PWD Cost of Service Rate Study
Cash Flow Analysis Model

2015	Base Year	2016	Bugdet Year
2017	Test Year		

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Revenue Req

Cash Flow

Financial Assumptions

Results

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CASH FLOW

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O&M Escalation Factors

Account Escalation Factors — Assumptions - 1

Description	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Index	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Account - Small Decrease	-2.3%	-2.3%	-2.4%	-2.4%	-2.5%	-2.5%	-2.6%	-2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Account - Small Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Account - Med Growth	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Account - Large Growth	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Account - No Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Volume Escalation Factors — Assumptions - 2

Description		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Volume - Small Decrease (SC)		0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%	0.0%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%
Volume - Small Decrease		0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%	0.0%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%
Volume - Small Decrease with Adjustment		0.0%	-0.05%	-0.05%	-0.05%	0.18%	0.31%	0.27%	0.1%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%	-1.5%
Volume - Small Growth		0.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Volume - Med Growth		0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Volume - No Growth		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Volume - No Growth with Adjustment		0.0%	0.0%	0.0%	0.0%	0.2%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AMI Theft Volume Adjustment	TRUE	0.0%	0.0%	0.0%	0.0%	0.221%	0.372%	0.314%	0.108%	0.000%	0.004%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Projected Revenue		454,664	456,953	457,546	457,557	457,974	458,812	459,646	459,848	457,081	453,967	451,008	448,089	445,178	442,267	439,356	
Original Projection		454,664	451,689	449,138	446,209	443,315	440,423	437,530	434,652	431,775	429,122	426,504	423,893	421,296	418,700	416,105	
Impact		-	5,264	8,408	11,348	14,659	18,389	22,116	25,196	25,305	24,844	24,503	24,197	23,882	23,567	23,250	

(Note may include impact of collection factor adjustment)

Other Revenue — Assumptions - 3

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Water	1.42%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%
Sewer	1.42%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%
Interest Income	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%
Misc City Revenues	2,109	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960
Other	11,223	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
State & Federal Grants	1,083	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Permits Issued by L&I (L&I)	3,840	3,000	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480
Miscellaneous (Procurement)	327	300	300	300	300	300	500	500	500	500	500	500	500	500	500	500
Affordability Program Discount Adjustment	-	-	-	(16,100)	(16,800)	(17,600)	(18,600)	(19,600)	(20,500)	(21,100)	(22,200)	(23,400)	(24,600)	(25,800)	(27,500)	

Allocation	Water	Sewer
Aviation	100.0%	0.0%
Other	50.0%	50.0%
State & Federal Grants	100.0%	0.0%
Permits Issued by L&I (L&I)	50.0%	50.0%
Miscellaneous (Procurement)	50.0%	50.0%
Affordability Program Discount Adjustment	44.0%	56.0%

Water - Customer Billed Volume Per Account (Mcf/Account) — Assumptions - 4

	USE	Historical Averages				Historical Usage Per Account						
	2015	1 Year	2 Year	3 Year	5 Year	2011	2012	2013	2014	2015		
Senior Citizens												
5/8" Meter	5.70	5.74	5.69	5.70	5.68	5.77	5.55	5.72	5.63	5.74		
> 5/8" Meter	8.30	7.05	8.33	10.38	12.24	16.00	14.05	14.50	9.60	7.05		
General Service (Residential)												
5/8" Meter	7.10	7.09	7.08	7.17	7.32	7.94	7.15	7.36	7.07	7.09		
> 5/8" Meter	80.00	73.88	79.90	88.50	116.94	207.44	111.77	105.70	85.93	73.88		
General Service (Commercial)												
5/8" Meter	11.30	11.50	11.29	11.36	9.05	0.00	11.16	11.49	11.08	11.50		
> 5/8" Meter	146.00	148.49	146.19	149.53	119.51	0.00	148.97	156.22	143.89	148.49		
General Service (Industrial)												
5/8" Meter	11.25	11.37	11.22	11.06	8.83	0.00	10.97	10.73	11.07	11.37		
> 5/8" Meter	160.00	158.47	158.74	162.08	132.45	0.00	176.02	168.77	159.01	158.47		
General Service (Public Utilities)												
5/8" Meter	10.20	8.96	10.20	11.34	9.25	0.00	12.26	13.60	11.45	8.96		
> 5/8" Meter	111.50	124.31	111.45	112.46	87.58	0.00	100.51	114.49	98.59	124.31		
General Service (Excluding Senior Citizens)												
5/8" Meter	NA	7.38	7.35	7.44	7.53	7.94	7.40	7.62	7.33	7.38		
> 5/8" Meter	NA	118.78	120.59	126.60	144.92	207.44	137.38	138.61	122.40	118.78		
General Service (Including Senior Citizens)												
5/8" Meter	NA	7.31	7.29	7.37	7.46	7.85	7.32	7.54	7.26	7.31	-2.6%	-1.8%
> 5/8" Meter	NA	118.75	120.55	126.55	144.88	207.40	137.33	138.55	122.35	118.75		
PHA	29.00	30.25	29.00	28.57	29.00	30.59	28.69	27.72	27.75	30.25		
Charities & Schools	76.60	73.67	76.61	77.76	95.26	164.32	78.69	80.07	79.55	73.67		
Hospital/University	580.00	543.35	578.91	599.42	496.13	0.00	682.40	640.44	614.46	543.35		
Hand Bill	2,100.00	2,125.74	2,096.87	2,113.26	1,666.02	0.00	1,990.33	2,146.03	2,068.00	2,125.74		
City Leased Properties	123.00	128.35	122.83	113.43	88.58	0.00	102.61	94.62	117.31	128.35		
Scheduled	10.70	10.35	10.68	9.72	6.98	0.00	5.75	7.80	11.00	10.35		
City	244.30	250.04	244.28	246.02	247.57	252.98	246.80	249.50	238.52	250.04		
Fire Service	2.70	2.82	2.73	3.43	3.29	1.53	4.65	4.84	2.64	2.82		
Public Fire (Hydrants)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Water - Billings per Usage (Prior to Adjustment Factor) — Assumptions - 5

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

NOT IN USE

Water - Calculated Billings Adjustment Factor — Assumptions - 6

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Senior Citizens	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Residential)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Commercial)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Industrial)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Public Utilities)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Excluding Senior Citizens)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
PHA	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Charities & Schools	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Hospital/University	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Hand Bill	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
City Leased Properties	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Scheduled	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
City	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Fire Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Private Fire (Unmetered)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Public Fire (Hydrants)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

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O&M Escalation Factors

Account Escalation Factors — Assumptions - 1

Description
Index
Account - Small Decrease
Account - Small Growth
Account - Med Growth
Account - Large Growth
Account - No Growth

Volume Escalation Factors — Assumptions - 2

Description
Volume - Small Decrease (SC)
Volume - Small Decrease
Volume - Small Decrease with Adjustment
Volume - Small Growth
Volume - Med Growth
Volume - No Growth
Volume - No Growth with Adjustment

AMI Theft Volume Adjustment TRUE

Projected Revenue
Original Projection
Impact
(Note may include impact of collection factor adjustment)

Other Revenue — Assumptions - 3

	2010	2011	2012	2013	2014	2015
Water	1.56%	1.30%	1.47%	1.41%	1.43%	1.42%
Sewer	1.73%	1.42%	1.51%	1.49%	1.45%	1.42%

Interest Income

Misc City Revenues Three Year Average (FY 13 - 15)
Other
State & Federal Grants
Permits Issued by L&I (L&I)
Miscellaneous (Procurement)
Affordability Program Discount Adjustment

Allocation
Aviation
Other
State & Federal Grants
Permits Issued by L&I (L&I)
Miscellaneous (Procurement)
Affordability Program Discount Adjustment

Water - Customer Billed Volume Per Account (Mcf/Account — Assumptions - 4

Senior Citizens
5/8" Meter
> 5/8" Meter

General Service (Residential)
5/8" Meter
> 5/8" Meter

General Service (Commercial)
5/8" Meter
> 5/8" Meter

General Service (Industrial)
5/8" Meter
> 5/8" Meter

General Service (Public Utilities)
5/8" Meter
> 5/8" Meter

General Service (Excluding Senior Citizens)
5/8" Meter
> 5/8" Meter

General Service (Including Senior Citizens)
5/8" Meter
> 5/8" Meter

PHA
Charities & Schools
Hospital/University
Hand Bill
City Leased Properties
Scheduled
City
Fire Service
Public Fire (Hydrants)

Water - Billings per Usage (Prior to Adjustment Factor) — Assumptions - 5

NOT IN USE

Water - Calculated Billings Adjustment Factor — Assumptions - 6

	2017
Senior Citizens	100.00%
General Service (Residential)	100.00%
General Service (Commercial)	100.00%
General Service (Industrial)	100.00%
General Service (Public Utilities)	100.00%
General Service (Excluding Senior Citizens)	100.00%
PHA	100.00%
Charities & Schools	100.00%
Hospital/University	100.00%
Hand Bill	100.00%
City Leased Properties	100.00%
Scheduled	100.00%
City	100.00%
Fire Service	100.00%
Private Fire (Unmetered)	100.00%
Public Fire (Hydrants)	100.00%

Sewer - Billings per Usage (Prior to Adjustment Factor)								Assumptions - 7									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NOT IN USE																	

Sewer - Calculated Billings Adjustment Factor								Assumptions - 8									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Senior Citizens		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Residential)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Commercial)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Industrial)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Public Utilities)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service (Excluding Senior Citizens)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
PHA		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Charities & Schools		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Hospital/University		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Hand Bill		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
City Leased Properties		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Scheduled		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Municipal		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Fire Service		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Sewer		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Groundwater (Non-City)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
City Groundwater		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Stormwater		100.00%	100.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%

Misc Municipal								Assumptions - 9									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Not in Use										0	0	0	0	0	0	0	0
See Other Revenue																	

Collection Adjustment Factors								Assumptions - 10									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Current Year		84.80%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%
First Year Prior		10.25%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Second Year Prior		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
AMI Revenue Adjustment																	
Current Year	TRUE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
First Year Prior		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Second Year Prior		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Revenue Impact																	
Revenue Projection		454,664	456,953	457,546	457,557	457,974	458,812	459,646	459,848	457,081	453,967	451,008	448,089	445,178	442,267	439,356	
Prior to Adjustment		454,664	451,689	449,138	446,209	443,315	440,423	437,530	434,652	431,775	429,122	426,504	423,893	421,296	418,700	416,105	
Impact		0	5,264	8,408	11,348	14,659	18,389	22,116	25,196	25,305	24,844	24,503	24,197	23,882	23,567	23,250	
Water - General Service Override		211,482															
Sewer - General Service Override		292,145															
Effective Months		6	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Water Revenue Increase		0.00%	0.00%	5.00%	5.00%	4.00%	4.00%	5.50%	5.50%	5.50%	5.50%	4.50%	4.50%	4.50%	6.20%	5.90%	0.00%
Wastewater Revenue Increase		0.00%	0.00%	5.70%	5.70%	5.20%	5.20%	5.60%	5.60%	4.00%	1.00%	5.80%	6.10%	5.80%	3.60%	7.00%	0.00%
Offset Rate Compression		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Revenue Increase Compression Factor																	
July	96.60%	0.00%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%	96.60%
Aug	96.50%	0.00%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%	96.50%
Sep	96.35%	0.00%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%	96.35%
Oct	96.10%	0.00%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%	96.10%
Nov	95.69%	0.00%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%	95.69%
Dec	95.05%	0.00%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%	95.05%
Jan	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%	94.15%
Feb	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%	93.03%
Mar	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%	91.21%
Apr	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%	86.90%
May	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%	72.46%
Jun	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%	30.56%
Water Effective Increase																	
July		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Aug		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Sep		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Oct		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Nov		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Dec		0.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Jan		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Feb		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Mar		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Apr		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
May		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Jun		100.00%	100.00%	105.00%	105.00%	104.00%	104.00%	105.50%	105.50%	105.50%	105.50%	104.50%	104.50%	104.50%	106.20%	105.90%	100.00%
Water Compression Factor		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Wastewater Effective Increase																	
July		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Aug		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Sep		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Oct		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Nov		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Dec		0.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Jan		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Feb		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Mar		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Apr		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
May		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Jun		100.00%	100.00%	105.70%	105.70%	105.20%	105.20%	105.60%	105.60%	104.00%	101.00%	105.80%	106.10%	105.80%	103.60%	107.00%	100.00%
Wastewater Compression Factor		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Sewer Only - Billed Volume (Mcf)								Assumptions - 11									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Municipal		247,108	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000
Fire		2,627	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Sewer Only		42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663
Groundwater (Non-City)		248,776	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000
City Groundwater		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Wholesale								Assumptions - 12									
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Bucks County																	
Commodity Charge ($/Mcf)		1.218	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708
Demand Charge ($/mgd of maximum demand)		109,095	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048	135,048
Lump Sum Payment ($/year)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage (Mcf)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max Demand (mgd)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sewer - Billings per Usage (Prior to Adjustment Factor) — Assumptions - 7

NOT IN USE

Sewer - Calculated Billings Adjustment Factor — Assumptions - 8

Senior Citizens
General Service (Residential)
General Service (Commercial)
General Service (Industrial)
General Service (Public Utilities)
General Service (Excluding Senior Citizens)
PHA
Charities & Schools
Hospital/University
Hand Bill
City Leased Properties
Scheduled
Municipal
Fire Service
Sewer
Groundwater (Non-City)
City Groundwater

Stormwater

Misc Municipal — Assumptions - 9

Not in Use — Included as Misc Revenue
See Other Revenue

Collection Adjustment Factors — Assumptions - 1

Current Year
First Year Prior
Second Year Prior

AMI Revenue Adjustment
Current Year — TRUE
First Year Prior
Second Year Prior

Revenue Impact
Revenue Projection
Prior to Adjustment
Impact

Water - General Service Override
Sewer - General Service Override

Effective Months
Water Revenue Increase
Wastewater Revenue Increase
Offset Rate Compression

Revenue Increase Compression Factor		
July	96.60%	12
Aug	96.50%	11
Sep	96.35%	10
Oct	96.10%	9
Nov	95.69%	8
Dec	95.05%	7
Jan	94.15%	6
Feb	93.03%	5
Mar	91.21%	4
Apr	86.90%	3
May	72.46%	2
Jun	30.56%	1

Water Effective Increase	
July	12
Aug	11
Sep	10
Oct	9
Nov	8
Dec	7
Jan	6
Feb	5
Mar	4
Apr	3
May	2
Jun	1

Water Compression Factor

Wastewater Effective Increase	
July	12
Aug	11
Sep	10
Oct	9
Nov	8
Dec	7
Jan	6
Feb	5
Mar	4
Apr	3
May	2
Jun	1

Wastewater Compression Factor

Sewer Only - Billed Volume (Mcf) — Assumptions - 1

Municipal
Fire
Sewer Only
Groundwater (Non-City)
City Groundwater

Water Wholesale — Assumptions - 1

Bucks County
Commodity Charge ($/Mcf)
Demand Charge ($/mgd of maximum demand)
Lump Sum Payment ($/year)

Usage (Mcf)
Max Demand (mgd)

Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Aqua PA																
Commodity Charge ($/Mcf)	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969
Lump Sum Payment ($/year)	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000
Usage (Mcf)	129,410	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Surcharge							Assumptions - 13									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Account Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
lbs per Account																
BOD	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000
SS	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000
Rate ($/lb)																
BOD	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350
SS	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
Actual																

Sewer Wholesale							Assumptions - 14									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Abington																
Rates																
Volume ($/Mcf)	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity ($/cfs)	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
SS ($/1,000 lbs.)	186.3307	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	503,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	100,091	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Capacity (cfs)	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247
SS (1,000 lbs.)	1,068	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
BOD (1,000 lbs.)	1,295	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Bensalem																
Rates																
Volume ($/Mcf)	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity ($/cfs)	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
SS ($/1,000 lbs.)	186.3307	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	171,935	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
Capacity (cfs)	11.740	11.740	11.740	11.740	12	12	12	12	12	12	12	12	12	12	12	12
SS (1,000 lbs.)	2,189	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240
BOD (1,000 lbs.)	2,697	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480
Bucks County																
Rates																
Volume ($/Mcf)	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity ($/cfs)	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
SS ($/1,000 lbs.)	186.3307	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	846,849	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000
Capacity (cfs)	85.080	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
SS (1,000 lbs.)	11,614	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700
BOD (1,000 lbs.)	10,732	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600
Cheltenham																
Rates																
Volume ($/Mcf)	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478
Capacity ($/cfs)	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993
SS ($/1,000 lbs.)	186.3307	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000
Management Fee (%)	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Billing Units																
Volume (Mcf)	356,825	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Capacity (cfs)	20.750	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
SS (1,000 lbs.)	3,135	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
BOD (1,000 lbs.)	2,726	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Lower Moreland																
Rates																
Volume ($/Mcf)	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity ($/cfs)	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
SS ($/1,000 lbs.)	186.3307	186.3307	186.3307	186.3307	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201.1057	201.1057	201.1057	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	286,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000
Management Fee (%)	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Billing Units																
Volume (Mcf)	57,771	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200
Capacity (cfs)	5.941	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SS (1,000 lbs.)	593	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
BOD (1,000 lbs.)	447	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Lower Southampton																
Rates																
Volume ($/Mcf)	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity ($/cfs)	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
SS ($/1,000 lbs.)	186.3307	186.3307	186.3307	186.3307	186	186	186	186	186	186	186	186	186	186	186	186
BOD ($/1,000 lbs.)	201.1057	201.1057	201.1057	201.1057	201	201	201	201	201	201	201	201	201	201	201	201
Annual Lump Sum ($)	1,357,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	255,403	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000
Capacity (cfs)	15.790	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
SS (1,000 lbs.)	2,427	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
BOD (1,000 lbs.)	2,139	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
DELCORA																
Rates																
Volume ($/Mcf)	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626
Capacity ($/cfs)	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365
SS ($/1,000 lbs.)	179.7959	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180

Management Fee

Aqua PA
Commodity Charge ($/Mcf)
Lump Sum Payment ($/year)

Usage (Mcf)
Management Fee

Surcharge **Assumptions - 1**

Account Growth

lbs per Account
BOD
SS

Rate ($/lb)
BOD
SS

Actual

Sewer Wholesale **Assumptions - 1**

	Historical Averages				Historical Usage Per Account				
	1 Year	2 Year	3 Year	5 Year	2011	2012	2013	2014	2015
Abington									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	100,091	101,079	99,991	102,531	98,059	114,622	97,815	102,068	100,091
Capacity (cfs)									
SS (1,000 lbs.)	1,068	1,118	1,118	1,157	1,122	1,311	1,119	1,167	1,068
BOD (1,000 lbs.)	1,295	1,142	1,078	1,059	951	1,109	949	989	1,295
Bensalem									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	171,935	176,399	174,596	172,302	159,115	178,606	170,990	180,864	171,935
Capacity (cfs)									
SS (1,000 lbs.)	2,189	2,197	2,236	2,195	2,056	2,212	2,316	2,204	2,189
BOD (1,000 lbs.)	2,697	2,611	2,480	2,390	2,248	2,263	2,218	2,525	2,697
Bucks County									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	846,849	896,145	869,189	880,067	839,183	953,586	815,278	945,440	846,849
Capacity (cfs)									
SS (1,000 lbs.)	11,614	10,751	9,714	8,895	8,080	7,255	7,640	9,887	11,614
BOD (1,000 lbs.)	10,732	9,900	9,608	9,016	8,335	7,921	9,024	9,067	10,732
Cheltenham									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	356,825	318,999	349,775	398,704	422,060	522,135	411,325	281,173	356,825
Capacity (cfs)									
SS (1,000 lbs.)	3,135	2,829	3,086	3,463	3,596	4,461	3,600	2,522	3,135
BOD (1,000 lbs.)	2,726	2,454	2,677	3,011	3,139	3,887	3,121	2,182	2,726
Lower Moreland									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	57,771	60,521	58,244	59,769	58,379	65,732	53,690	63,271	57,771
Capacity (cfs)									
SS (1,000 lbs.)	593	620	596	611	598	670	548	647	593
BOD (1,000 lbs.)	447	467	448	460	450	504	412	486	447
Lower Southampton									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	255,403	282,796	270,123	262,881	254,243	249,789	244,778	310,188	255,403
Capacity (cfs)									
SS (1,000 lbs.)	2,427	2,431	3,284	3,060	2,566	2,878	4,991	2,436	2,427
BOD (1,000 lbs.)	2,139	2,181	2,552	2,321	2,044	1,905	3,293	2,223	2,139
DELCORA									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									

BOD ($/1,000 lbs.)	199.1219	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
Annual Lump Sum ($)	43,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000
Management Fee (%)	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Billing Units																
Volume (Mcf)	1,110,372	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Capacity (cfs)	155.000	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
SS (1,000 lbs.)	12,729	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100
BOD (1,000 lbs.)	11,305	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100
Lower Merion																
Rates																
Volume ($/Mcf)	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026
Capacity ($/cfs)	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487
SS ($/1,000 lbs.)	182.9871	182.9871	182.9871	182.9871	183	183	183	183	183	183	183	183	183	183	183	183
BOD ($/1,000 lbs.)	200.1492	200.1492	200.1492	200.1492	200	200	200	200	200	200	200	200	200	200	200	200
Annual Lump Sum ($)	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	357,220	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000
Capacity (cfs)	31.570	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
SS (1,000 lbs.)	3,718	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
BOD (1,000 lbs.)	3,208	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Springfield (less Wyndmoor)																
Rates																
Volume ($/Mcf)	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272
Capacity ($/cfs)	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135
SS ($/1,000 lbs.)	182.9871	182.9871	182.9871	182.9871	183	183	183	183	183	183	183	183	183	183	183	183
BOD ($/1,000 lbs.)	200.1492	200.1492	200.1492	200.1492	200	200	200	200	200	200	200	200	200	200	200	200
Annual Lump Sum ($)	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000
Management Fee (%)	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Billing Units																
Volume (Mcf)	142,622	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000
Capacity (cfs)	4.600	4.600	4.600	4.600	5	5	5	5	5	5	5	5	5	5	5	5
SS (1,000 lbs.)	1,845	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700
BOD (1,000 lbs.)	1,598	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Upper Darby																
Rates																
Volume ($/Mcf)	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026
Capacity ($/cfs)	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487
SS ($/1,000 lbs.)	182.9871	182.9871	182.9871	182.9871	183	183	183	183	183	183	183	183	183	183	183	183
BOD ($/1,000 lbs.)	200.1492	200.1492	200.1492	200.1492	200	200	200	200	200	200	200	200	200	200	200	200
Annual Lump Sum ($)	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000
Management Fee (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Billing Units																
Volume (Mcf)	463,520	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000
Capacity (cfs)	35.000	35.000	35.000	35.000	35	35	35	35	35	35	35	35	35	35	35	35
SS (1,000 lbs.)	4,511	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600
BOD (1,000 lbs.)	3,846	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Springfield (Wyndmoor)																
Rates																
Volume ($/Mcf)	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608
Capacity ($/cfs)	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951
SS ($/1,000 lbs.)	261.4507	261.4507	261.4507	261.4507	261	261	261	261	261	261	261	261	261	261	261	261
BOD ($/1,000 lbs.)	133.4719	133.4719	133.4719	133.4719	133	133	133	133	133	133	133	133	133	133	133	133
Annual Lump Sum ($)	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000
Management Fee (%)	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Billing Units																
Volume (Mcf)	18,388	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000
Capacity (cfs)	1.930	1.930	1.930	1.930	2	2	2	2	2	2	2	2	2	2	2	2
SS (1,000 lbs.)	160	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
BOD (1,000 lbs.)	122	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

O&M Escalation Factors — Assumptions - 15

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Constant	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Labor	1.00%	2.50%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Other Benefits	-5.20%	4.62%	4.45%	4.59%	6.94%	4.03%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Pension			2.42%	1.66%	1.84%	1.43%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Pension Obligations			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
General	3.00%	2.00%	2.00%	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Property Leases	3.00%	3.00%	-0.93%	4.76%	1.91%	1.92%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Other 200	3.00%	2.00%	2.00%	2.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Other 300	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Other 400	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%
Energy	5.00%	0.00%	0.00%	0.00%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Chemicals	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%
Other	3.00%	2.00%	2.00%	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

Capitalized Interest Period Named Range — Assumptions - 16

Years
0
1
2
3
4
5

NOT IN USE

Affordability Analysis Assumptions — Assumptions - 17

	Affordability Scale
Red	2.00%
Yellow	1.50%

Median Household Income	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
$	$ 36,000	$ 37,080	$ 38,192	$ 39,338	$ 40,518	$ 41,734	$ 42,986	$ 44,275	$ 45,604	$ 46,972	$ 48,381	$ 49,832	$ 51,327	$ 52,867	$ 54,453	$ 56,087
Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

NOT IN USE

Customer Classes — Assumptions - 18

Small Residential
Large Residential
Commercial
Industrial
Other 1
Other 2

NOT IN USE

Discounts — Assumptions - 19

Choose Discount 0

BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	1,110,372	1,201,270	1,172,045	1,218,603	1,212,631	1,364,247	1,113,594	1,292,169	1,110,372
Capacity (cfs)									
SS (1,000 lbs.)	12,729	13,377	13,066	13,340	13,717	13,788	12,443	14,026	12,729
BOD (1,000 lbs.)	11,305	11,544	11,130	11,303	11,756	11,371	10,302	11,783	11,305
Lower Merion									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	357,220	362,051	357,834	362,212	359,629	377,929	349,400	366,882	357,220
Capacity (cfs)									
SS (1,000 lbs.)	3,718	3,774	3,734	3,777	3,742	3,944	3,653	3,830	3,718
BOD (1,000 lbs.)	3,208	3,259	3,230	3,268	3,234	3,416	3,172	3,310	3,208
Springfield (less Wyndmoor)									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	142,622	159,532	155,914	163,145	152,066	195,918	148,680	176,441	142,622
Capacity (cfs)									
SS (1,000 lbs.)	1,845	1,786	1,700	1,794	1,776	2,093	1,527	1,727	1,845
BOD (1,000 lbs.)	1,598	1,677	1,802	1,669	1,382	1,556	2,050	1,757	1,598
Upper Darby									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	463,520	486,623	470,275	477,410	464,000	512,225	437,580	509,725	463,520
Capacity (cfs)									
SS (1,000 lbs.)	4,511	4,736	4,577	4,646	4,516	4,985	4,259	4,961	4,511
BOD (1,000 lbs.)	3,846	4,038	3,902	3,961	3,850	4,250	3,631	4,229	3,846
Springfield (Wyndmoor)									
Rates									
Volume ($/Mcf)									
Capacity ($/cfs)									
SS ($/1,000 lbs.)									
BOD ($/1,000 lbs.)									
Annual Lump Sum ($)									
Management Fee (%)									
Billing Units									
Volume (Mcf)	18,388	19,086	18,883	19,836	19,828	22,707	18,475	19,785	18,388
Capacity (cfs)									
SS (1,000 lbs.)	160	136	126	123	112	125	106	112	160
BOD (1,000 lbs.)	122	106	99	97	89	99	85	89	122

O&M Escalation Factors — Assumptions - 1

Constant	
Labor	
Other Benefits	Source: Benefits and Public Property Escalation Factors.xlsx
Pension	
Pension Obligations	
General	
Property Leases	Source: Benefits and Public Property Escalation Factors.xlsx
Other 200	
Other 300	
Other 400	
Energy	
Chemicals	
Other	

Capitalized Interest Period Named Range — Assumptions - 1

Years
0
1
2
3
4
5

NOT IN USE

Affordability Analysis Assumptions — Assumptions - 1

Red
Yellow

Median Household Income
$
Inflation

NOT IN USE

Customer Classes — Assumptions - 1

Small Residential
Large Residential
Commercial
Industrial
Other 1
Other 2

NOT IN USE

Discounts — Assumptions - 1

Type of Discount	0-Existing % of Discount	1-Alternative % of Discount	Use % of Discount
Senior Citizen	25%	0%	25%
PHA	5%	0%	5%
Charity/Hospital/Education	25%	0%	25%

Meter Sizes — Assumptions - 20

5/8"
3/4"
1"
1 1/4"
1 1/2"
2"
3"
4"
6"
8"
10"
12"

List of meter sized provided for Drop Down Lists

Capital Account Deposit — Assumptions - 21

		2015 Base Year	2016 Test Year	2017 Calculation	2018 Calculation	2019 Calculation	2020 Calculation	2021 Calculation	2022 Calculation	2023 Calculation	2024 Calculation	2025 Calculation	2026 Calculation	2027 Calculation	2028 Calculation	2029 Calculation	2030 Calculation
Water System Net Plant Investment	41.06%	849,818,820	871,087,900	892,865,098	915,186,725	938,066,393	961,518,053	985,556,004	###########	###########	###########	###########	###########	###########	###########	###########	###########
Wastewater System Net Plant Investment	58.94%	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########
Total System Net Plant Investment		###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########	###########
Estimated Increase in System Net Value	2.50%																
Capital Account Deposit %	1.00%																

Direct O&M Actual to Budget Factors — Assumptions - 22A

		Use	Historical Averages 1 Year	3 Year	5 Year	Actual to Budget Factor 2015	2014	2013	2012	2011	Actual 2015	2014	2013	2012	2011
FWD Direct O&M		3 year average													
Human Resources and Administration															
Salaries & Wages	100	95.07%	98.04%	95.07%	92.70%	98.04%	97.33%	89.45%	87.49%	90.28%	$ 8,502,816	$ 7,650,763	$ 6,911,366	$ 6,591,224	$ 6,782,159
Services	200	75.98%	78.04%	75.98%	73.75%	78.04%	79.36%	67.30%	67.42%	72.28%	4,562,319	3,277,947	2,019,108	2,676,000	1,856,758
Materials and Supplies	300	69.40%	59.66%	69.40%	68.31%	59.66%	82.01%	72.05%	60.95%	71.60%	725,233	632,835	575,822	474,539	579,242
Equipment	400	108.90%	98.33%	108.90%	86.58%	98.33%	171.52%	94.67%	77.82%	15.74%	413,078	140,816	46,389	111,049	24,547
Contributions	500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
Transfers	800	0.00%									-	-	-	-	-
Subtotal Human Resources and Administration			87.38%	86.75%	84.52%	87.38%	90.40%	81.82%	78.67%	82.92%	$ 14,203,446	$ 11,702,361	$ 9,552,685	$ 9,852,812	$ 9,242,706
Finance															
Salaries & Wages	100	82.47%	87.78%	82.47%	81.19%	87.78%	84.77%	73.40%	86.63%	72.24%	$ 2,170,853	$ 1,849,144	$ 1,472,571	$ 1,388,706	$ 1,393,850
Services	200	51.62%	65.70%	51.62%	70.92%	65.70%	58.28%	40.51%	127.14%	82.48%	$ 4,811,153	$ 4,366,100	$ 5,577,954	$ 9,206,767	$ 10,311,521
SMIP/GARP	2xx	100.00%	113.15%	104.46%	103.48%	113.15%	96.54%	95.18%	99.50%		$ 11,598,134	$ 5,020,143	$ 4,925,776	$ 5,025,000	$ -
Materials and Supplies	300	25.78%	5.28%	25.78%	50.99%	5.28%	15.26%	47.53%	79.57%	94.26%	$ 23,023	$ 124,596	$ 383,299	$ 598,960	$ 661,729
Equipment	400	64.79%	0.00%	64.79%	68.09%	0.00%	92.95%	40.08%	87.97%	35.25%	$ -	$ 521,252	$ 244,778	$ 527,642	$ 86,002
Contributions	500	100.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	62.12%	44.60%	62.12%	67.69%	44.60%	58.25%	85.62%	82.88%	72.95%	$ 6,244,621	$ 7,714,419	$ 10,792,914	$ 9,074,729	$ 7,754,262
Subtotal Finance			72.04%	68.56%	75.33%	72.04%	66.44%	66.90%	98.57%	77.70%	$ 24,847,784	$ 19,595,654	$ 23,397,293	$ 25,821,804	$ 20,207,364
Planning and Engineering															
Salaries & Wages	100	88.82%	97.38%	88.82%	90.81%	97.38%	82.27%	86.98%	85.86%	100.00%	$ 1,199,514	$ 1,043,846	$ 1,057,108	$ 1,028,722	$ 1,449,595
Services	200	39.95%	60.29%	39.95%	53.88%	60.29%	31.24%	32.20%	53.19%	100.00%	$ 297,188	$ 155,719	$ 235,838	$ 259,551	$ 528,000
Materials and Supplies	300	76.27%	51.55%	76.27%	83.22%	51.55%	59.36%	129.57%	91.26%	100.00%	$ 102,067	$ 105,252	$ 191,888	$ 133,233	$ 147,000
Equipment	400	18.54%	24.77%	18.54%	47.14%	24.77%	12.48%	27.20%	35.99%	100.00%	$ 14,614	$ 27,449	$ 30,333	$ 28,435	$ 228,000
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Planning and Engineering			81.42%	70.21%	77.83%	81.42%	61.55%	68.64%	75.87%	100.00%	$ 1,613,383	$ 1,332,266	$ 1,515,167	$ 1,449,941	$ 2,352,595
Operations															
Salaries & Wages	100	95.21%	100.61%	95.21%	93.10%	100.61%	94.76%	90.17%	88.77%	91.04%	$ 71,789,745	$ 65,710,338	$ 63,390,240	$ 62,092,417	$ 62,637,659
Services	200	88.35%	87.21%	88.35%	89.78%	87.21%	84.94%	93.44%	93.70%	90.97%	$ 55,277,653	$ 55,165,835	$ 53,779,374	$ 49,900,039	$ 44,989,464
Power	220	80.71%	79.44%	80.71%	87.40%	79.44%	79.42%	83.02%	91.57%	103.98%	$ 20,427,534	$ 21,440,579	$ 24,375,674	$ 24,841,360	$ 27,311,199
Materials and Supplies	300	87.49%	82.35%	87.49%	88.19%	82.35%	84.83%	95.48%	95.84%	82.45%	$ 14,703,881	$ 14,625,464	$ 16,475,057	$ 15,651,859	$ 12,662,984
Chemicals	307	98.20%	94.32%	98.20%	93.18%	94.32%	104.31%	96.03%	89.94%	81.36%	$ 22,324,969	$ 24,446,114	$ 22,602,203	$ 20,239,205	$ 19,400,817
Equipment	400	66.58%	77.30%	66.58%	62.64%	77.30%	59.18%	65.12%	66.72%	41.35%	$ 1,219,613	$ 1,172,215	$ 994,870	$ 1,356,406	$ 549,906
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Operations			91.25%	90.59%	90.67%	91.25%	89.52%	91.02%	91.05%	90.54%	$185,743,395	$182,560,545	$181,617,418	$174,081,286	$167,552,029
Planning & Environmental Services															
Salaries & Wages	100	99.12%	96.55%	99.12%	97.06%	96.55%	101.25%	99.99%	97.97%	88.82%	$ 12,135,854	$ 11,080,774	$ 10,315,992	$ 9,163,710	$ 8,437,905
Services	200	95.08%	100.06%	95.08%	93.72%	100.06%	90.22%	94.19%	90.85%	91.82%	$ 22,388,075	$ 17,411,374	$ 18,442,417	$ 16,447,254	$ 15,276,152
Materials and Supplies	300	73.84%	73.34%	73.84%	72.55%	73.34%	86.13%	63.69%	74.09%	67.31%	$ 989,788	$ 1,015,983	$ 867,520	$ 962,010	$ 903,646
Equipment	400	50.63%	32.20%	50.63%	35.34%	32.20%	62.82%	50.59%	7.13%	29.04%	$ 187,954	$ 556,793	$ 470,735	$ 55,839	$ 672,252
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Planning & Environmental Services			96.81%	94.56%	91.96%	96.81%	93.05%	93.50%	90.15%	84.88%	$ 35,701,671	$ 30,064,924	$ 30,096,664	$ 26,628,813	$ 25,289,955
Public Affairs															
Salaries & Wages	100	93.76%	95.96%	93.76%	91.96%	95.96%	93.21%	91.69%	95.77%	82.04%	$ 2,644,067	$ 2,260,265	$ 2,110,697	$ 2,110,095	$ 1,803,302
Services	200	90.51%	91.83%	90.51%	95.25%	91.83%	93.27%	86.21%	116.81%	105.76%	$ 8,001,034	$ 7,244,654	$ 6,591,039	$ 4,525,982	$ 3,091,251
Materials and Supplies	300	51.09%	41.94%	51.09%	56.49%	41.94%	45.19%	68.57%	64.38%	66.14%	$ 156,358	$ 168,011	$ 219,959	$ 206,542	$ 221,111
Equipment	400	70.16%	88.75%	70.16%	54.30%	88.75%	7.32%	114.41%	21.50%	27.21%	$ 13,757	$ 1,134	$ 17,734	$ 2,688	$ 3,293
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Public Affairs			91.22%	89.94%	92.81%	91.22%	91.44%	86.93%	106.77%	93.63%	$ 10,815,216	$ 9,674,064	$ 8,939,429	$ 6,845,307	$ 5,118,957
Water System Operating and Maintenance Expenses Summary															
Salaries & Wages	100		99.38%	95.24%	93.19%	99.38%	95.29%	90.83%	89.69%	90.27%	$ 98,442,849	$ 89,595,130	$ 85,257,975	$ 82,374,874	$ 82,504,470
Services	200		88.17%	85.71%	88.19%	88.17%	84.14%	84.71%	95.50%	89.88%	95,337,422	87,621,629	86,645,730	83,015,593	76,053,146
Power	220		79.44%	80.71%	87.40%	79.44%	79.42%	83.02%	91.57%	103.98%	20,427,534	21,440,579	24,375,674	24,841,360	27,311,199
Materials and Supplies	300		77.94%	83.10%	84.45%	77.94%	81.10%	90.44%	91.84%	81.18%	16,700,350	16,672,141	18,713,545	18,027,143	15,175,712
Chemicals	307		94.32%	98.20%	93.18%	94.32%	104.31%	96.03%	89.94%	81.36%	22,324,969	24,446,114	22,602,203	20,239,205	19,400,817
Equipment	400		69.33%	62.89%	55.25%	69.33%	64.60%	55.62%	57.04%	36.50%	1,849,016	2,419,659	1,804,839	2,082,059	1,564,000
Contributions	500		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
Transfers	800		44.60%	62.12%	67.69%	44.60%	58.25%	85.62%	82.88%	72.95%	6,244,621	7,714,419	10,792,914	9,074,729	7,754,262
Total Water System Operating and Maintenance Expenses Summary			88.66%	87.85%	88.60%	88.66%	87.31%	87.58%	91.22%	88.43%	**$261,326,761**	**$249,909,671**	**$250,192,879**	**$239,654,963**	**$229,763,606**
Human Resources & Admin and Finance															
Salaries & Wages	100	92.36%	95.76%	92.36%	90.33%	95.76%	94.60%	86.14%	87.34%	86.59%	$ 10,673,669	$ 9,499,907	$ 8,383,937	$ 7,979,930	$ 8,176,009
Services	200	59.23%	71.18%	59.23%	71.74%	71.18%	65.77%	45.31%	106.00%	80.74%	9,373,472	7,644,047	7,597,062	11,882,767	12,168,279
Materials and Supplies	300	50.87%	45.30%	50.87%	60.59%	45.30%	47.69%	59.74%	70.10%	82.13%	748,256	757,431	959,121	1,073,499	1,240,971
Equipment	400	78.81%	95.86%	78.81%	73.56%	95.86%	102.98%	44.13%	86.02%	27.64%	413,078	662,068	291,167	638,691	110,549
Contributions	500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-

Type of Discour
Senior Citizen
PHA
Charity/Hospit

Meter Sizes	Assumptions - 2
5/8"	
3/4"	
1"	
1 1/4"	
1 1/2"	
2"	
3"	
4"	
6"	
8"	
10"	
12"	

List of meter sized provided for Drop Down Lists

Capital Account Deposit								Assumptions - 2
		2012	2011	2010	2009	2008	2007	
Water System Net Plant Investment	41.06%							
Wastewater System Net Plant Investment	58.94%							
Total System Net Plant Investment		1,938,001	1,886,726	1,811,347	1,726,450	1,714,035	1,692,583	
Estimated Increase in System Net Value	2.50%	2.72%	4.16%	4.92%	0.72%	1.27%		
Capital Account Deposit %	1.00%							

Direct O&M Actual to Budget Factors							Assumptions - 22B	Assumptions - 2
				Budget				
		2015	2014	2013	2012	2011		
PWD Direct O&M								
Human Resources and Administration								
Salaries & Wages	100	$ 8,673,039	$ 7,860,450	$ 7,726,550	$ 7,533,950	$ 7,512,500		
Services	200	5,846,000	4,130,600	2,999,990	3,969,095	2,568,800		
Materials and Supplies	300	1,215,550	771,700	799,164	778,565	809,000		
Equipment	400	420,100	82,100	49,000	142,700	156,000		
Contributions	500	100,000	100,000	100,000	100,000	100,000		
Transfers	800	-	-	-	-	-		
Subtotal Human Resources and Administration		$ 16,254,689	$ 12,944,850	$ 11,674,704	$ 12,524,310	$ 11,146,300		
Finance								
Salaries & Wages	100	$ 2,472,925	$ 2,181,400	$ 2,006,100	$ 1,602,950	$ 1,929,500		
Services	200	$ 7,322,500	$ 7,491,000	$ 13,768,110	$ 7,241,405	$ 12,501,800		
SMIP/GARP	2xx	$ 10,250,000	$ 5,200,000	$ 5,175,000	$ 5,050,000	$ -		
Materials and Supplies	300	$ 436,200	$ 816,400	$ 806,436	$ 752,735	$ 702,000		
Equipment	400	$ 10,800	$ 560,800	$ 610,800	$ 599,800	$ 244,000		
Contributions	500	$ -	$ -	$ -	$ -	$ -		
Transfers	800	$ 14,000,000	$ 13,243,100	$ 12,605,000	$ 10,948,900	$ 10,630,000		
Subtotal Finance		$ 34,492,425	$ 29,492,700	$ 34,971,446	$ 26,195,790	$ 26,007,300		
Planning and Engineering								
Salaries & Wages	100	$ 1,231,738	$ 1,268,860	$ 1,215,300	$ 1,198,100	$ 1,449,595		
Services	200	$ 492,900	$ 498,500	$ 732,500	$ 488,000	$ 528,000		
Materials and Supplies	300	$ 198,000	$ 177,300	$ 148,100	$ 146,000	$ 147,000		
Equipment	400	$ 59,000	$ 220,000	$ 111,500	$ 79,000	$ 228,000		
Contributions	500	$ -	$ -	$ -	$ -	$ -		
Transfers	800	$ -	$ -	$ -	$ -	$ -		
Subtotal Planning and Engineering		$ 1,981,638	$ 2,164,660	$ 2,207,400	$ 1,911,100	$ 2,352,595		
Operations								
Salaries & Wages	100	$ 71,357,193	$ 69,343,900	$ 70,297,400	$ 69,949,000	$ 68,805,000		
Services	200	$ 63,381,100	$ 64,948,600	$ 57,556,100	$ 53,255,000	$ 49,453,000		
Power	220	$ 25,714,000	$ 26,994,900	$ 29,362,900	$ 27,128,000	$ 26,266,000		
Materials and Supplies	300	$ 17,855,400	$ 17,240,200	$ 17,255,800	$ 16,332,000	$ 15,358,000		
Chemicals	307	$ 23,668,950	$ 23,435,500	$ 23,537,400	$ 22,502,000	$ 23,845,000		
Equipment	400	$ 1,577,800	$ 1,980,700	$ 1,527,800	$ 2,033,000	$ 1,330,000		
Contributions	500	$ -	$ -	$ -	$ -	$ -		
Transfers	800	$ -	$ -	$ -	$ -	$ -		
Subtotal Operations		$203,554,443	$203,943,800	$199,537,400	$191,199,000	$185,057,000		
Planning & Environmental Services								
Salaries & Wages	100	$ 12,569,537	$ 10,944,400	$ 10,316,700	$ 9,353,800	$ 9,500,405		
Services	200	$ 22,374,200	$ 19,299,800	$ 19,579,700	$ 18,102,800	$ 16,637,700		
Materials and Supplies	300	$ 1,349,600	$ 1,179,600	$ 1,362,100	$ 1,298,500	$ 1,342,500		
Equipment	400	$ 583,650	$ 886,400	$ 930,500	$ 783,400	$ 2,315,160		
Contributions	500	$ -	$ -	$ -	$ -	$ -		
Transfers	800	$ -	$ -	$ -	$ -	$ -		
Subtotal Planning & Environmental Services		$ 36,876,987	$ 32,310,200	$ 32,189,000	$ 29,538,500	$ 29,795,765		
Public Affairs								
Salaries & Wages	100	$ 2,755,277	$ 2,424,900	$ 2,301,900	$ 2,203,200	$ 2,198,000		
Services	200	$ 8,712,700	$ 7,767,700	$ 7,645,200	$ 3,874,500	$ 2,923,000		
Materials and Supplies	300	$ 372,800	$ 371,800	$ 320,800	$ 320,800	$ 334,300		
Equipment	400	$ 15,500	$ 15,500	$ 15,500	$ 12,500	$ 12,100		
Contributions	500	$ -	$ -	$ -	$ -	$ -		
Transfers	800	$ -	$ -	$ -	$ -	$ -		
Subtotal Public Affairs		$ 11,856,277	$ 10,579,900	$ 10,283,400	$ 6,411,000	$ 5,467,400		
Water System Operating and Maintenance Expenses Summ								
Salaries & Wages	100	$ 99,059,709	$ 94,023,910	$ 93,863,950	$ 91,841,000	$ 91,395,000		
Services	200	108,129,400	104,136,200	102,281,600	86,930,800	84,612,300		
Power	220	25,714,000	26,994,900	29,362,900	27,128,000	26,266,000		
Materials and Supplies	300	21,427,550	20,557,000	20,692,400	19,628,600	18,692,800		
Chemicals	307	23,668,950	23,435,500	23,537,400	22,502,000	23,845,000		
Equipment	400	2,666,850	3,745,500	3,245,100	3,650,400	4,285,260		
Contributions	500	100,000	100,000	100,000	100,000	100,000		
Transfers	800	14,000,000	13,243,100	12,605,000	10,948,900	10,630,000		
Total Water System Operating and Maintenance Expenses S		**$294,766,459**	**$286,236,110**	**$285,688,350**	**$262,729,700**	**$259,826,360**		
Human Resources & Admin and Finance								
Salaries & Wages	100	$ 11,145,964	$ 10,041,850	$ 9,732,650	$ 9,136,900	$ 9,442,000		
Services	200	13,168,500	11,621,600	16,768,100	11,210,500	15,070,600		
Materials and Supplies	300	1,651,750	1,588,100	1,605,600	1,531,300	1,511,000		
Equipment	400	430,900	642,900	659,800	742,500	400,000		
Contributions	500	100,000	100,000	100,000	100,000	100,000		

Transfers	800	62.12%	44.60%	62.12%	67.69%		44.60%	58.25%	85.62%	82.88%	72.95%	6,244,621	7,714,419	10,792,914	9,074,729	7,754,262
Subtotal Human Resources & Admin and Finance			67.79%	68.58%	74.65%		67.79%	70.57%	67.58%	91.03%	79.27%	$ 27,453,096	$ 26,277,872	$ 28,024,202	$ 30,649,616	$ 29,450,070

Direct O&M - Water and Sewer Allocation						Assumptions - 23
		2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater	
PWD Direct O&M							
Human Resources and Administration							
Class 100 - xxxxxxxxxx		0	0.00%	31.00%	69.00%	0.00%	
Class 100 - All Other		8,815,500	100.00%	31.00%	69.00%	0.00%	
Class 100 - Total	100	8,815,500	100.00%	31.00%	69.00%	0.00%	
Class 200 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 200 - All Other		5,222,100	100.00%	31.00%	69.00%	0.00%	
Class 200 - Total	200	5,222,100	100.00%	31.00%	69.00%	0.00%	
Class 300 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 300 - All Other		1,141,850	100.00%	31.00%	69.00%	0.00%	
Class 300 - Total	300	1,141,850	100.00%	31.00%	69.00%	0.00%	
Class 400 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 400 - All Other		634,600	100.00%	31.00%	69.00%	0.00%	
Class 400 - Total	400	634,600	100.00%	31.00%	69.00%	0.00%	
Class 500 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 500 - All Other		100,000	100.00%	31.00%	69.00%	0.00%	
Class 500 - Total	500	100,000	100.00%	31.00%	69.00%	0.00%	
Class 800 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 800 - All Other		0	100.00%	31.00%	69.00%	0.00%	
Class 800 - Total	800	0	100.00%	31.00%	69.00%	0.00%	
Subtotal Human Resources and Administration		15,914,050					
Finance							
Class 100 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 100 - All Other		2,550,200	100.00%	38.00%	62.00%	0.00%	
Class 100 - Total		2,550,200	100.00%	38.00%	62.00%	0.00%	
Stormwater Program - Residential		0	0.00%	0.00%	0.00%	100.00%	
Stormwater Program - Non-Residential			0.00%	0.00%	0.00%	100.00%	
Class 200 - Wastewater Collection Mains		0	0.00%	0.00%	100.00%	0.00%	
Class 200 - Green Initiatives (LTCP)		0	0.00%	0.00%	50.00%	50.00%	
Class 200 - Customer (Grants)		0	0.00%	44.00%	35.00%	21.00%	PWD Monthly Bill Comparison 2015-08-20_version 5
Class 200 - Customer (Basis2)		0	0.00%	33.40%	33.30%	33.30%	
Class 200 - All Other		7,297,500	100.00%	38.00%	62.00%	0.00%	
Class 200 - Total		7,297,500	100.00%	38.00%	62.00%	0.00%	
Class 2xx - Wastewater Collection Mains		11,450,000	100.00%	0.00%	100.00%	0.00%	
Class 2xx - All Other		0	0.00%	0.00%	100.00%	0.00%	
Class 2xx - Total		11,450,000	100.00%	0.00%	100.00%	0.00%	
Class 300 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 300 - All Other		86,200	100.00%	38.00%	62.00%	0.00%	
Class 300 - Total		86,200	100.00%	38.00%	62.00%	0.00%	
Class 400 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 400 - All Other		37,800	100.00%	38.00%	62.00%	0.00%	
Class 400 - Total		37,800	100.00%	38.00%	62.00%	0.00%	
Class 500 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 500 - All Other		0	100.00%	38.00%	62.00%	0.00%	
Class 500 - Total		0	100.00%	38.00%	62.00%	0.00%	
Class 800 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 800 - All Other		10,537,000	100.00%	36.00%	64.00%	0.00%	
Class 800 - Total		10,537,000	100.00%	36.00%	64.00%	0.00%	
Subtotal Finance		31,958,700					
Planning and Engineering							
Class 100 - Office of Watersheds		0	0.00%	15.00%	85.00%	0.00%	
Class 100 - BLS		0	0.00%	40.00%	60.00%	0.00%	
Class 100 - All Other (Plant Investment)		1,225,000	100.00%	40.00%	60.00%	0.00%	
Class 100 - Total	100	1,225,000	100.00%	40.00%	60.00%	0.00%	
Class 200 - Res Stormwater Program		0	0.00%	0.00%	0.00%	100.00%	
Class 200 - Non-Res Stormwater Program		0	0.00%	0.00%	0.00%	100.00%	
Class 200 - Wastewater Collection Mains		0	0.00%	-100.00%	100.00%	100.00%	
Class 251 - CSO Compliance Program		0	0.00%	-100.00%	100.00%	100.00%	
Class 200 - Office of Watersheds		0	0.00%	40.00%	60.00%	0.00%	
Class 200 - BLS		0	0.00%	40.00%	60.00%	0.00%	
Class 200 - All Other (Plant Investment)		497,500	100.00%	40.00%	60.00%	0.00%	
Class 200 - Total	200	497,500	100.00%	40.00%	60.00%	0.00%	
Class 300 - Office of Watersheds		0	0.00%	0.00%	0.00%	100.00%	
Class 300 - BLS		0	0.00%	40.00%	60.00%	0.00%	
Class 300 - All Other (Plant Investment)		187,500	100.00%	40.00%	60.00%	0.00%	
Class 300 - Total	300	187,500	100.00%	40.00%	60.00%	0.00%	
Class 400 - Office of Watersheds		0	0.00%	0.00%	0.00%	100.00%	
Class 400 - BLS		0	0.00%	40.00%	60.00%	0.00%	
Class 400 - All Other (Plant Investment)		59,000	100.00%	40.00%	60.00%	0.00%	
Class 400 - Total	400	59,000	100.00%	40.00%	60.00%	0.00%	
Class 500 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 500 - All Other		0	100.00%	40.00%	60.00%	0.00%	
Class 500 - Total	500	0	100.00%	40.00%	60.00%	0.00%	
Class 800 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%	
Class 800 - All Other		0	100.00%	40.00%	60.00%	0.00%	
Class 800 - Total	800	0	100.00%	40.00%	60.00%	0.00%	
Subtotal Planning and Engineering		1,969,000					
Operations							
Class 100	100	See Assumptions-24 and Direct O&M-9					

Transfers	800	14,000,000	13,243,100	12,605,000	10,948,900	10,630,000
Subtotal Human Resources & Admin and Financ		$ 40,497,114	$ 37,237,550	$ 41,471,150	$ 33,670,100	$ 37,153,600

Direct O&M - Water and Sewer Allocation Assumptions - 2

PWD Direct O&M

Human Resources and Administration

Class 100 - xxxxxxxxxx	
Class 100 - All Other	
Class 100 - Total	100
Class 200 - xxxxxxxxxx	
Class 200 - All Other	
Class 200 - Total	200
Class 300 - xxxxxxxxxx	
Class 300 - All Other	
Class 300 - Total	300
Class 400 - xxxxxxxxxx	
Class 400 - All Other	
Class 400 - Total	400
Class 500 - xxxxxxxxxx	
Class 500 - All Other	
Class 500 - Total	500
Class 800 - xxxxxxxxxx	
Class 800 - All Other	
Class 800 - Total	800
Subtotal Human Resources and Administration	

Finance

Class 100 - xxxxxxxxxx	
Class 100 - All Other	
Class 100 - Total	
Stormwater Program - Residential	
Stormwater Program - Non-Residential	
Class 200 - Wastewater Collection Mains	
Class 200 - Green Initiatives (LTCP)	
Class 200 - Customer (Grants)	
Class 200 - Customer (Basis 2)	
Class 200 - All Other	
Class 200 - Total	
Class 2xx - Wastewater Collection Mains	
Class 2xx - All Other	
Class 2xx - Total	
Class 300 - xxxxxxxxxx	
Class 300 - All Other	
Class 300 - Total	
Class 400 - xxxxxxxxxx	
Class 400 - All Other	
Class 400 - Total	
Class 500 - xxxxxxxxxx	
Class 500 - All Other	
Class 500 - Total	
Class 800 - xxxxxxxxxx	
Class 800 - All Other	
Class 800 - Total	
Subtotal Finance	

Planning and Engineering

Class 100 - Office of Watersheds	
Class 100 - BLS	
Class 100 - All Other (Plant Investment)	
Class 100 - Total	100
Class 200 - Res Stormwater Program	
Class 200 - Non-Res Stormwater Program	
Class 200 - Wastewater Collection Mains	
Class 251 - CSO Compliance Program	
Class 200 - Office of Watersheds	
Class 200 - BLS	
Class 200 - All Other (Plant Investment)	
Class 200 - Total	200
Class 300 - Office of Watersheds	
Class 300 - BLS	
Class 300 - All Other (Plant Investment)	
Class 300 - Total	300
Class 400 - Office of Watersheds	
Class 400 - BLS	
Class 400 - All Other (Plant Investment)	
Class 400 - Total	400
Class 500 - xxxxxxxxxx	
Class 500 - All Other	
Class 500 - Total	500
Class 800 - xxxxxxxxxx	
Class 800 - All Other	
Class 800 - Total	800
Subtotal Planning and Engineering	

Operations

Class 100	100

Class 200	200	See Assumptions-26 and Direct O&M-11				
Class 220	220	See Assumptions-25 and Direct O&M-10				
Class 300	300	See Assumptions-28 and Direct O&M-13				
Class 307	307	See Assumptions-27 and Direct O&M-12				
Class 400	400	See Assumptions-29 and Direct O&M-14				
Class 500	500			50.00%	50.00%	0.00%
Class 800	800			50.00%	50.00%	0.00%
Planning & Environmental Services						
Class 100 - Office of Watersheds		3,807,569	29.23%	15.00%	85.00%	0.00%
Class 100 - BLS		6,755,949	51.87%	40.00%	60.00%	0.00%
Class 100 - P&R		2,461,182	18.90%	40.00%	60.00%	0.00%
Class 100 - Total	100	13,024,700	100.00%	32.69%	67.31%	0.00%
Class 200 - Res Stormwater Program		0	0.00%	0.00%	0.00%	100.00%
Class 200 - Non-Res Stormwater Program		1,145,000	4.53%	0.00%	0.00%	100.00%
Class 200 - Wastewater Collection Mains		600,000	2.38%	0.00%	100.00%	0.00%
Class 251 - CSO Compliance Program		0	0.00%	0.00%	0.00%	100.00%
Class 200 - All Other - Office of Watersheds		15,090,000	59.75%	40.00%	60.00%	0.00%
Class 200 - All Other - BLS		2,257,700	8.94%	40.00%	60.00%	0.00%
Class 200 - All Other - P&R		6,161,500	24.40%	40.00%	60.00%	0.00%
Class 200 - Total	200	25,254,200	100.00%	37.24%	58.23%	4.53%
Class 300 - Office of Watersheds		0	0.00%	0.00%	0.00%	100.00%
Class 300 - BLS		0	0.00%	40.00%	60.00%	0.00%
Class 300 - P&R		1,408,100	100.00%	40.00%	60.00%	0.00%
Class 300 - Total	300	1,408,100	100.00%	40.00%	60.00%	0.00%
Class 400 - Office of Watersheds		0	0.00%	0.00%	0.00%	100.00%
Class 400 - BLS		0	0.00%	40.00%	60.00%	0.00%
Class 400 - P&R		853,450	100.00%	40.00%	60.00%	0.00%
Class 400 - Total	400	853,450	100.00%	40.00%	60.00%	0.00%
Class 500 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 500 - All Other		0	100.00%	40.00%	60.00%	0.00%
Class 500 - Total	500	0	100.00%	40.00%	60.00%	0.00%
Class 800 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 800 - All Other		0	100.00%	40.00%	60.00%	0.00%
Class 800 - Total	800	0	100.00%	40.00%	60.00%	0.00%
Subtotal Planning & Environmental Services		40,540,450				
Public Affairs						
Class 100 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 100 - All Other		2,831,100	100.00%	50.00%	50.00%	0.00%
Class 100 - Total	100	2,831,100	100.00%	50.00%	50.00%	0.00%
Class 200 - Stormwater Res		0	0.00%	0.00%	0.00%	100.00%
Class 200 - Stormwater Non-Res		0	0.00%	0.00%	0.00%	100.00%
Class 200 - Wastewater Collection Mains		550,000	6.10%	0.00%	100.00%	0.00%
Class 200 - All Other - A&G Volume		3,995,000	44.32%	50.00%	50.00%	0.00%
Class 200 - All Other - A&G Customer		2,830,000	31.40%	50.00%	50.00%	0.00%
Class 200 - All Other - A&G		1,638,200	18.18%	50.00%	50.00%	0.00%
Class 200 - Total	200	9,013,200	100.00%	46.95%	53.05%	0.00%
Class 300 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 300 - All Other		376,300	100.00%	50.00%	50.00%	0.00%
Class 300 - Total	300	376,300	100.00%	50.00%	50.00%	0.00%
Class 400 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 400 - All Other		15,500	100.00%	50.00%	50.00%	0.00%
Class 400 - Total	400	15,500	100.00%	50.00%	50.00%	0.00%
Class 500 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 500 - All Other		0	100.00%	50.00%	50.00%	0.00%
Class 500 - Total	500	0	100.00%	50.00%	50.00%	0.00%
Class 800 - xxxxxxxxxx		0	0.00%	0.00%	0.00%	100.00%
Class 800 - All Other		0	100.00%	50.00%	50.00%	0.00%
Class 800 - Total	800	0	100.00%	50.00%	50.00%	0.00%
Subtotal Public Affairs		12,236,100				
Total						

Direct O&M - Water and Sewer Allocation - Operations Class 100 — **Assumptions - 24**

	2016 Budget Detail		Allocation Water	Allocation Sanitary	Allocation Stormwater
Water Direct Costs					
Baxter Treatment Plant	3,006,109	4.03%	100.00%	0.00%	0.00%
Queen Lane Treatment Plant	2,933,704	3.94%	100.00%	0.00%	0.00%
Belmont Treatment Plant	2,946,796	3.95%	100.00%	0.00%	0.00%
Conveyance Headquarters		0.00%	100.00%	0.00%	0.00%
Load Control	1,690,029	2.27%	100.00%	0.00%	0.00%
Distribution	14,163,159	19.01%	100.00%	0.00%	0.00%
Pumping	2,491,856	3.34%	100.00%	0.00%	0.00%
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%
Sewer Direct Costs					
Biosolids Engr Services		0.00%	0.00%	100.00%	0.00%
Biosolids Utilization		0.00%	0.00%	100.00%	0.00%
Biosolids Processing		0.00%	0.00%	100.00%	0.00%
NEWPCP	6,463,364	8.67%	0.00%	100.00%	0.00%
SWWPCP	6,531,210	8.76%	0.00%	100.00%	0.00%
SEWPCP	3,617,585	4.85%	0.00%	100.00%	0.00%
Industrial Waste	1,169,123	1.57%	0.00%	100.00%	0.00%
Sewer Maintenance	9,361,864	12.56%	0.00%	100.00%	0.00%
Inlet Cleaning	4,624,570	6.21%	0.00%	100.00%	0.00%
Interceptors/Flow Control	3,973,671	5.33%	0.00%	100.00%	0.00%
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%
Collector System Support	892,159	1.20%	0.00%	100.00%	0.00%
Allocated Costs					
Treatment Headquarters (50/50)	424,505	0.57%	50.00%	50.00%	0.00%
Machine Shops (50/50)		0.00%	50.00%	50.00%	0.00%
Building Maintenance (50/50)		0.00%	50.00%	50.00%	0.00%
Security (50/50)		0.00%	50.00%	50.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50)	4,666,927	6.26%	50.00%	50.00%	0.00%
Materials Management (50/50)	1,707,657	2.29%	50.00%	50.00%	0.00%
Customer Service (50/50)	1,391,789	1.87%	50.00%	50.00%	0.00%
Warranty Program		0.00%	50.00%	50.00%	0.00%
Meter Shop (50/50)	2,459,023	3.30%	50.00%	50.00%	0.00%
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%

Class 200	200
Class 220	220
Class 300	300
Class 307	307
Class 400	400
Class 500	500
Class 800	800

Planning & Environmental Services

Class 100 - Office of Watersheds	
Class 100 - BLS	
Class 100 - P&R	
Class 100 - Total	100
Class 200 - Res Stormwater Program	
Class 200 - Non-Res Stormwater Program	
Class 200 - Wastewater Collection Mains	
Class 251 - CSO Compliance Program	
Class 200 - All Other - Office of Watersheds	
Class 200 - All Other - BLS	
Class 200 - All Other - P&R	
Class 200 - Total	200
Class 300 - Office of Watersheds	
Class 300 - BLS	
Class 300 - P&R	
Class 300 - Total	300
Class 400 - Office of Watersheds	
Class 400 - BLS	
Class 400 - P&R	
Class 400 - Total	400
Class 500 - xxxxxxxxxx	
Class 500 - All Other	
Class 500 - Total	500
Class 800 - xxxxxxxxxx	
Class 800 - All Other	
Class 800 - Total	800
Subtotal Planning & Environmental Services	

Public Affairs

Class 100 - xxxxxxxxxx	
Class 100 - All Other	
Class 100 - Total	100
Class 200 - Stormwater Res	
Class 200 - Stormwater Non-Res	
Class 200 - Wastewater Collection Mains	
Class 200 - All Other - A&G Volume	
Class 200 - All Other - A&G Customer	
Class 200 - All Other - A&G	
Class 200 - Total	200
Class 300 - xxxxxxxxxx	
Class 300 - All Other	
Class 300 - Total	300
Class 400 - xxxxxxxxxx	
Class 400 - All Other	
Class 400 - Total	400
Class 500 - xxxxxxxxxx	
Class 500 - All Other	
Class 500 - Total	500
Class 800 - xxxxxxxxxx	
Class 800 - All Other	
Class 800 - Total	800
Subtotal Public Affairs	

Total

Direct O&M - Water and Sewer Allocation - Operations Clas **Assumptions - 2**

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)
Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total	74,515,100	100.00%	43.69%	56.31%	0.00%

Direct O&M - Water and Sewer Allocation - Operations Power Costs — Assumptions - 25

	2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater
Water Direct Costs					
Baxter Treatment Plant	125,000	0.45%	100.00%	0.00%	0.00%
Queen Lane Treatment Plant	80,000	0.29%	100.00%	0.00%	0.00%
Belmont Treatment Plant	65,000	0.23%	100.00%	0.00%	0.00%
Conveyance Headquarters		0.00%	100.00%	0.00%	0.00%
Load Control	1,300,000	4.67%	100.00%	0.00%	0.00%
Distribution	0	0.00%	100.00%	0.00%	0.00%
Pumping	0	0.00%	100.00%	0.00%	0.00%
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%
Sewer Direct Costs					
Biosolids Engr Services		0.00%	0.00%	100.00%	0.00%
Biosolids Utilization		0.00%	0.00%	100.00%	0.00%
Biosolids Processing	200,000	0.72%	0.00%	100.00%	0.00%
NEWPCP	400,000	1.44%	0.00%	100.00%	0.00%
SWWPCP	725,000	2.60%	0.00%	100.00%	0.00%
SEWPCP	210,000	0.75%	0.00%	100.00%	0.00%
Industrial Waste	0	0.00%	0.00%	100.00%	0.00%
Sewer Maintenance	100,000	0.36%	0.00%	100.00%	0.00%
Inlet Cleaning	0	0.00%	0.00%	100.00%	0.00%
Interceptors/Flow Control	700,000	2.51%	0.00%	100.00%	0.00%
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%
Collector System Support	0	0.00%	0.00%	100.00%	0.00%
Allocated Costs					
Treatment Headquarters (50/50)	0	0.00%	50.00%	50.00%	0.00%
Machine Shops (50/50)	0	0.00%	50.00%	50.00%	0.00%
Building Maintenance (50/50)	0	0.00%	50.00%	50.00%	0.00%
Security (50/50)	0	0.00%	50.00%	50.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50)	23,940,000	85.98%	50.00%	50.00%	0.00%
Materials Management (50/50)	0	0.00%	50.00%	50.00%	0.00%
Customer Service (50/50)	0	0.00%	50.00%	50.00%	0.00%
Warranty Program		0.00%	50.00%	50.00%	0.00%
Meter Shop (50/50)	0	0.00%	50.00%	50.00%	0.00%
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%
Total	27,845,000	100.00%	48.63%	51.37%	0.00%

Direct O&M - Water and Sewer Allocation - Operations Class 200 Excluding Power — Assumptions - 26

	2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater
Water Direct Costs					
Baxter Treatment Plant	1,421,000	2.18%	100.00%	0.00%	0.00%
Queen Lane Treatment Plant	974,000	1.50%	100.00%	0.00%	0.00%
Belmont Treatment Plant	483,000	0.74%	100.00%	0.00%	0.00%
Conveyance Headquarters		0.00%	100.00%	0.00%	0.00%
Load Control	1,386,000	2.13%	100.00%	0.00%	0.00%
Distribution	1,146,000	1.76%	100.00%	0.00%	0.00%
Pumping	418,000	0.64%	100.00%	0.00%	0.00%
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%
Sewer Direct Costs					
Biosolids Engr Services		0.00%	0.00%	100.00%	0.00%
Biosolids Utilization	0	0.00%	0.00%	100.00%	0.00%
Biosolids Processing	24,635,000	37.86%	0.00%	100.00%	0.00%
NEWPCP	10,545,000	16.21%	0.00%	100.00%	0.00%
SWWPCP	2,868,000	4.41%	0.00%	100.00%	0.00%
SEWPCP	979,000	1.50%	0.00%	100.00%	0.00%
Industrial Waste	62,000	0.10%	0.00%	100.00%	0.00%
Sewer Maintenance	3,005,300	4.62%	0.00%	100.00%	0.00%
Inlet Cleaning	45,400	0.07%	0.00%	100.00%	0.00%
Interceptors/Flow Control	3,593,000	5.52%	0.00%	100.00%	0.00%
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%
Collector System Support	8,200	0.01%	0.00%	100.00%	0.00%
Allocated Costs					
Treatment Headquarters (50/50)	263,000	0.40%	50.00%	50.00%	0.00%
Machine Shops (50/50)		0.00%	50.00%	50.00%	0.00%
Building Maintenance (50/50)		0.00%	50.00%	50.00%	0.00%
Security (50/50)		0.00%	50.00%	50.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50)	7,078,800	10.88%	50.00%	50.00%	0.00%
Materials Management (50/50)	225,000	0.35%	50.00%	50.00%	0.00%
Customer Service (50/50)	3,705,000	5.69%	50.00%	50.00%	0.00%
Warranty Program		0.00%	50.00%	50.00%	0.00%
Meter Shop (50/50)	2,225,000	3.42%	50.00%	50.00%	0.00%
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%
Total	65,065,700	100.00%	19.33%	80.67%	0.00%

Direct O&M - Water and Sewer Allocation - Operations Chemical Costs — Assumptions - 27

	2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater
Water Direct Costs					
Baxter Treatment Plant	9,406,400	41.67%	100.00%	0.00%	0.00%
Queen Lane Treatment Plant	5,306,000	23.50%	100.00%	0.00%	0.00%
Belmont Treatment Plant	4,575,000	20.27%	100.00%	0.00%	0.00%
Conveyance Headquarters		0.00%	100.00%	0.00%	0.00%
Load Control	0	0.00%	100.00%	0.00%	0.00%
Distribution	34,000	0.15%	100.00%	0.00%	0.00%
Pumping	3,000	0.01%	100.00%	0.00%	0.00%
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%
Sewer Direct Costs					
Biosolids Engr Services	0	0.00%	0.00%	100.00%	0.00%
Biosolids Utilization	0	0.00%	0.00%	100.00%	0.00%
Biosolids Processing		0.00%	0.00%	100.00%	0.00%
NEWPCP	778,000	3.45%	0.00%	100.00%	0.00%
SWWPCP	465,000	2.06%	0.00%	100.00%	0.00%
SEWPCP	450,000	1.99%	0.00%	100.00%	0.00%
Industrial Waste	3,100	0.01%	0.00%	100.00%	0.00%
Sewer Maintenance	10,300	0.05%	0.00%	100.00%	0.00%
Inlet Cleaning	0	0.00%	0.00%	100.00%	0.00%
Interceptors/Flow Control	1,503,000	6.66%	0.00%	100.00%	0.00%
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%
Collector System Support	0	0.00%	0.00%	100.00%	0.00%
Allocated Costs					
Treatment Headquarters (50/50)	2,000	0.01%	50.00%	50.00%	0.00%
Machine Shops (50/50)	0	0.00%	50.00%	50.00%	0.00%
Building Maintenance (50/50)	0	0.00%	50.00%	50.00%	0.00%
Security (50/50)	0	0.00%	50.00%	50.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50)	0	0.00%	50.00%	50.00%	0.00%
Materials Management (50/50)	40,000	0.18%	50.00%	50.00%	0.00%
Customer Service (50/50)	0	0.00%	50.00%	50.00%	0.00%

Total

Direct O&M - Water and Sewer Allocation - Operations Pow Assumptions - 2

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)
Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total

Direct O&M - Water and Sewer Allocation - Operations Clas Assumptions - 2

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)
Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total

Direct O&M - Water and Sewer Allocation - Operations Che Assumptions - 2

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)

Warranty Program		0.00%	50.00%	50.00%	0.00%
Meter Shop (50/50)	0	0.00%	50.00%	50.00%	0.00%
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%
Total	22,575,800	100.00%	85.69%	14.31%	0.00%

Direct O&M - Water and Sewer Allocation - Operations Class 300 Excluding Chemicals — Assumptions - 28

	2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater
Water Direct Costs					
Baxter Treatment Plant	1,292,000	7.07%	100.00%	0.00%	0.00%
Queen Lane Treatment Plant	909,000	4.97%	100.00%	0.00%	0.00%
Belmont Treatment Plant	579,000	3.17%	100.00%	0.00%	0.00%
Conveyance Headquarters		0.00%	100.00%	0.00%	0.00%
Load Control	131,000	0.72%	100.00%	0.00%	0.00%
Distribution	296,000	1.62%	100.00%	0.00%	0.00%
Pumping	501,000	2.74%	100.00%	0.00%	0.00%
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%
Sewer Direct Costs					
Biosolids Engr Services		0.00%	0.00%	100.00%	0.00%
Biosolids Utilization		0.00%	0.00%	100.00%	0.00%
Biosolids Processing	50,000	0.27%	0.00%	100.00%	0.00%
NEWPCP	1,856,000	10.15%	0.00%	100.00%	0.00%
SWWPCP	1,132,000	6.19%	0.00%	100.00%	0.00%
SEWPCP	1,406,000	7.69%	0.00%	100.00%	0.00%
Industrial Waste	46,700	0.26%	0.00%	100.00%	0.00%
Sewer Maintenance	705,400	3.86%	0.00%	100.00%	0.00%
Inlet Cleaning	116,200	0.64%	0.00%	100.00%	0.00%
Interceptors/Flow Control	672,500	3.68%	0.00%	100.00%	0.00%
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%
Collector System Support	2,100	0.01%	0.00%	100.00%	0.00%
Allocated Costs					
Treatment Headquarters (50/50)	8,100	0.04%	50.00%	50.00%	0.00%
Machine Shops (50/50)		0.00%	50.00%	50.00%	0.00%
Building Maintenance (50/50)		0.00%	50.00%	50.00%	0.00%
Security (50/50)		0.00%	50.00%	50.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50)	786,100	4.30%	50.00%	50.00%	0.00%
Materials Management (50/50)	7,633,000	41.74%	50.00%	50.00%	0.00%
Customer Service (50/50)	33,000	0.18%	50.00%	50.00%	0.00%
Warranty Program		0.00%	50.00%	50.00%	0.00%
Meter Shop (50/50)	131,000	0.72%	50.00%	50.00%	0.00%
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%
Total	18,286,100	100.00%	43.77%	56.23%	0.00%

Direct O&M - Water and Sewer Allocation - Operations Class 400 — Assumptions - 29

	2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater	Check	Source 2016 BDDT Budget
Water Direct Costs							
Baxter Treatment Plant	558,000	31.03%	100.00%	0.00%	0.00%	15,808,509	15,808,509
Queen Lane Treatment Plant	35,000	1.95%	100.00%	0.00%	0.00%	10,237,704	10,237,704
Belmont Treatment Plant	47,000	2.61%	100.00%	0.00%	0.00%	8,695,796	8,695,796
Conveyance Headquarters	0	0.00%	100.00%	0.00%	0.00%	0	
Load Control	30,000	1.67%	100.00%	0.00%	0.00%	4,537,029	4,537,029
Distribution	278,000	15.46%	100.00%	0.00%	0.00%	15,917,159	15,917,159
Pumping	41,000	2.28%	100.00%	0.00%	0.00%	3,454,856	3,454,856
Emergency & Support Services		0.00%	100.00%	0.00%	0.00%	0	
Sewer Direct Costs							
Biosolids Engr Services		0.00%	0.00%	100.00%	0.00%	0	
Biosolids Utilization		0.00%	0.00%	100.00%	0.00%	0	
Biosolids Processing	0	0.00%	0.00%	100.00%	0.00%	24,885,000	24,885,000
NEWPCP	212,000	11.79%	0.00%	100.00%	0.00%	20,254,364	20,254,364
SWWPCP	189,000	10.51%	0.00%	100.00%	0.00%	11,910,210	11,910,210
SEWPCP	169,000	9.40%	0.00%	100.00%	0.00%	6,831,585	6,831,585
Industrial Waste	5,000	0.28%	0.00%	100.00%	0.00%	1,285,923	1,285,923
Sewer Maintenance	48,500	2.70%	0.00%	100.00%	0.00%	13,231,364	13,231,364
Inlet Cleaning	29,500	1.64%	0.00%	100.00%	0.00%	4,815,670	4,815,670
Interceptors/Flow Control	13,000	0.72%	0.00%	100.00%	0.00%	10,455,171	10,455,171
Data & Flow Control	0	0.00%	0.00%	100.00%	0.00%	0	
Collector System Support	0	0.00%	0.00%	100.00%	0.00%	902,459	902,459
Allocated Costs							
Treatment Headquarters (50/50)	5,000	0.28%	50.00%	50.00%	0.00%	702,605	702,605
Machine Shops (50/50)		0.00%	50.00%	50.00%	0.00%	0	
Building Maintenance (50/50)		0.00%	50.00%	50.00%	0.00%	0	
Security (50/50)		0.00%	50.00%	50.00%	0.00%	0	
Operations Admin/Delinquencies/Plumbing. (50/50)	108,000	6.01%	50.00%	50.00%	0.00%	36,579,827	38,779,827
Materials Management (50/50)	2,000	0.11%	50.00%	50.00%	0.00%	9,607,657	9,607,657
Customer Service (50/50)	17,000	0.95%	50.00%	50.00%	0.00%	5,146,789	5,146,789
Warranty Program		0.00%	50.00%	50.00%	0.00%	0	0
Meter Shop (50/50)	11,000	0.61%	50.00%	50.00%	0.00%	4,826,023	2,626,023
Automotive Maintenance (35/65)	0	0.00%	35.00%	65.00%	0.00%	0	
Total	1,798,000	100.00%	58.98%	41.02%	0.00%	210,085,700	210,085,700

Inter Departmental O&M Actual to Budget Factors — Assumptions - 30

		Use	Historical Averages 1 Year	Historical Averages 3 Year	Historical Averages 5 Year	Actual to Budget Factor 2015	2014	2013	2012	2011	Actual 2015	2014	2013	2012	2011
PWD Inter Departmental O&M															
Division of Technology															
Salaries & Wages	100	81.64%	89.96%	81.64%	81.76%	89.96%	82.50%	72.12%	77.57%	86.37%	$ 5,233,042	$ 4,621,214	$ 4,039,582	$ 3,994,808	$ 4,442,039
Services	200	89.53%	88.54%	89.53%	77.91%	88.54%	88.47%	91.82%	65.00%	54.84%	$ 10,226,939	$ 9,567,462	$ 9,214,801	$ 6,797,598	$ 5,734,828
Materials and Supplies	300	76.76%	88.52%	76.76%	70.13%	88.52%	78.33%	59.32%	58.81%	58.42%	$ 1,609,074	$ 944,117	$ 791,307	$ 737,735	$ 732,780
Equipment	400	0.00%									$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Division of Technology			88.97%	86.00%	78.50%	88.97%	85.88%	82.76%	68.38%	64.73%	$ 17,069,055	$ 15,132,793	$ 14,045,690	$ 11,530,141	$ 10,909,647
Mayor's Office of Transportation & Utilities															
Salaries & Wages	100	96.99%	98.74%	96.99%	97.24%	98.74%	92.89%	100.00%	100.00%		$ 227,983	$ 208,176	$ 169,948	$ 56,160	$ -
Services	200	96.00%		0.00%	0.00%		0.00%	0.00%			$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%									$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%									$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -
Subtotal Mayor's Office of Transportation & Utilities			98.74%	77.93%	79.42%	98.74%	67.05%	71.91%	100.00%		$ 227,983	$ 208,176	$ 169,948	$ 56,160	$ -
Police															
Salaries & Wages	100	100.00%									$ -	$ -	$ -	$ -	$ -
Services	200	0.00%									$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%									$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%									$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%									$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%									$ -	$ -	$ -	$ -	$ -

Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total

Direct O&M - Water and Sewer Allocation - Operations Clas Assumptions - 2

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)
Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total

Direct O&M - Water and Sewer Allocation - Operations Clas Assumptions - 2

Water Direct Costs
Baxter Treatment Plant
Queen Lane Treatment Plant
Belmont Treatment Plant
Conveyance Headquarters
Load Control
Distribution
Pumping
Emergency & Support Services

Sewer Direct Costs
Biosolids Engr Services
Biosolids Utilization
Biosolids Processing
NEWPCP
SWWPCP
SEWPCP
Industrial Waste
Sewer Maintenance
Inlet Cleaning
Interceptors/Flow Control
Data & Flow Control
Collector System Support

Allocated Costs
Treatment Headquarters (50/50)
Machine Shops (50/50)
Building Maintenance (50/50)
Security (50/50)
Operations Admin/Delinquencies/Plumbing. (50/50)
Materials Management (50/50)
Customer Service (50/50)
Warranty Program
Meter Shop (50/50)
Automotive Maintenance (35/65)

Total

Inter Departmental O&M Actual to Budget Factors Assumptions - 30 Assumptions - 3

		Budget				
		2015	2014	2013	2012	2011
PWD Inter Departmental O&M						
Division of Technology						
Salaries & Wages	100	$ 5,816,911	$ 5,601,271	$ 5,601,271	$ 5,149,616	$ 5,142,942
Services	200	$ 11,551,218	$ 10,814,511	$ 10,035,811	$ 10,457,725	$ 10,457,725
Materials and Supplies	300	$ 1,817,650	$ 1,205,350	$ 1,334,050	$ 1,254,358	$ 1,254,358
Equipment	400	$ -	$ -	$ -	$ -	$ -
Contributions	500	$ -	$ -	$ -	$ -	$ -
Transfers	800	$ -	$ -	$ -	$ -	$ -
Subtotal Division of Technology		$ 19,185,779	$ 17,621,132	$ 16,971,132	$ 16,861,699	$ 16,855,025
Mayor's Office of Transportation & Utilities						
Salaries & Wages	100	$ 230,886	$ 224,100	$ 169,948	$ 56,160	$ -
Services	200	$ -	$ 86,400	$ 66,400	$ -	$ -
Materials and Supplies	300	$ -	$ -	$ -	$ -	$ -
Equipment	400	$ -	$ -	$ -	$ -	$ -
Contributions	500	$ -	$ -	$ -	$ -	$ -
Transfers	800	$ -	$ -	$ -	$ -	$ -
Subtotal Mayor's Office of Transportation & Uti		$ 230,886	$ 310,500	$ 236,348	$ 56,160	$ -
Police						
Salaries & Wages	100	$ -	$ -	$ -	$ -	$ -
Services	200	$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	$ -	$ -	$ -	$ -	$ -
Equipment	400	$ -	$ -	$ -	$ -	$ -
Contributions	500	$ -	$ -	$ -	$ -	$ -
Transfers	800	$ -	$ -	$ -	$ -	$ -

Subtotal Police												$ -	$ -	$ -	$ -	$ -
Public Property																
Salaries & Wages	100	0.00%										$ -	$ -	$ -	$ -	$ -
Services	200	100.00%	100.00%	100.00%	99.92%		100.00%	100.00%	100.00%	99.63%	100.00%	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,725,560	$ 2,500,266
Materials and Supplies	300	0.00%										$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%										$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal Public Property			100.00%	100.00%	99.92%		100.00%	100.00%	100.00%	99.63%	100.00%	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,725,560	$ 2,500,266
Fleet Management																
Salaries & Wages	100	90.75%	87.65%	90.75%	88.15%		87.65%	91.82%	93.02%	86.93%	81.35%	$ 2,602,612	$ 2,521,284	$ 2,554,406	$ 2,387,074	$ 2,233,948
Services	200	85.56%	99.95%	85.56%	86.35%		99.95%	96.63%	60.10%	84.40%	90.67%	$ 1,488,271	$ 1,438,785	$ 894,932	$ 1,256,788	$ 1,350,082
Materials and Supplies	300	95.35%	99.01%	95.35%	97.59%		99.01%	98.86%	88.18%	92.60%	109.28%	$ 4,232,497	$ 4,225,827	$ 3,769,562	$ 3,958,404	$ 4,671,274
Equipment	400	0.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%										$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal Fleet Management			95.31%	92.14%	92.55%		95.31%	96.20%	84.83%	89.34%	97.01%	$ 8,323,380	$ 8,185,896	$ 7,218,900	$ 7,602,266	$ 8,255,304
City Finance																
Salaries & Wages	100	0.00%										$ -	$ -	$ -	$ -	$ -
Benefits	1xx	92.93%	90.91%	92.93%	94.26%		90.91%	94.73%	93.60%	89.02%	104.45%	$ 48,293,131	$ 41,044,344	$ 40,369,391	$ 38,395,202	$ 42,279,349
Pension	191	83.44%	97.29%	83.44%	87.79%		97.29%	78.49%	76.13%	89.94%	103.87%	$ 40,861,335	$ 38,305,052	$ 35,507,147	$ 38,770,167	$ 32,719,112
Pension Obligations	190	172.27%	97.57%	172.27%	147.53%		97.57%	215.87%	216.88%	102.90%	107.38%	$ 11,415,451	$ 22,450,403	$ 20,452,252	$ 9,843,048	$ 9,449,462
Services	200	0.00%										$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%										$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	76.75%	59.09%	76.75%	71.99%		59.09%	92.86%	78.31%	46.88%	82.83%	$ 3,840,767	$ 6,036,098	$ 5,090,210	$ 3,046,915	$ 5,383,670
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal City Finance			92.14%	95.62%	95.35%		92.14%	98.90%	95.95%	88.03%	102.92%	$104,410,684	$107,835,896	$101,418,999	$ 90,055,332	$ 89,831,593
Revenue																
Salaries & Wages	100	88.85%	87.81%	88.85%	88.79%		87.81%	86.71%	92.14%	87.72%	89.75%	$ 10,013,594	$ 9,701,251	$ 10,020,393	$ 9,729,716	$ 9,557,122
Services	200	100.22%	99.92%	100.22%	98.21%		99.92%	100.80%	99.93%	95.47%	94.22%	$ 4,241,117	$ 4,133,603	$ 4,020,068	$ 3,677,818	$ 3,371,322
Materials and Supplies	300	84.04%	98.42%	84.04%	75.38%		98.42%	87.32%	69.45%	58.19%	71.16%	$ 630,784	$ 688,157	$ 561,421	$ 525,300	$ 650,423
Equipment	400	95.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	24.05%	25.46%	24.05%	17.21%		25.46%	32.07%	11.33%	10.50%	5.67%	$ 1,273	$ 481	$ 170	$ 315	$ 170
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal Revenue			91.36%	91.54%	90.45%		91.36%	90.33%	92.96%	87.90%	89.67%	$ 14,886,768	$ 14,523,492	$ 14,602,052	$ 13,933,149	$ 13,579,037
Procurement																
Salaries & Wages	100	89.35%	78.66%	89.35%	86.92%		78.66%	90.90%	99.79%	66.43%	99.78%	$ 60,866	$ 62,746	$ 68,882	$ 45,856	$ 69,074
Services	200	0.00%										$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%										$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%										$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal Procurement			78.66%	89.35%	86.92%		78.66%	90.90%	99.79%	66.43%	99.78%	$ 60,866	$ 62,746	$ 68,882	$ 45,856	$ 69,074
Law																
Salaries & Wages	100	90.42%	85.29%	90.42%	93.74%		85.29%	90.15%	96.11%	99.18%	98.40%	$ 2,137,491	$ 2,192,613	$ 2,281,362	$ 2,286,502	$ 2,476,451
Services	200	73.46%	44.77%	73.46%	82.53%		44.77%	96.99%	78.62%	97.21%	95.06%	$ 309,631	$ 670,808	$ 543,724	$ 672,341	$ 657,417
Materials and Supplies	300	47.32%	18.60%	47.32%	64.19%		18.60%	38.74%	84.61%	79.00%	100.00%	$ 8,002	$ 16,663	$ 36,392	$ 33,976	$ 43,010
Equipment	400	0.00%										$ -	$ -	$ -	$ -	$ -
Contributions	500	100.00%										$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%										$ -	$ -	$ -	$ -	$ -
Subtotal Law			75.76%	86.14%	90.88%		75.76%	90.95%	92.06%	98.45%	97.71%	$ 2,455,124	$ 2,880,084	$ 2,861,478	$ 2,992,819	$ 3,176,878
PWD Inter Departmental O&M Expenses Summary																
Salaries & Wages	100		88.14%	87.51%	87.55%		88.14%	86.73%	87.63%	86.37%	88.90%	$ 20,275,588	$ 19,307,284	$ 19,134,573	$ 18,500,116	$ 18,778,634
Benefits	1xx		90.91%	92.93%	94.26%		90.91%	94.73%	93.60%	89.02%	104.45%	48,293,131	41,044,344	40,369,391	38,395,202	42,279,349
Pension	191		97.29%	83.44%	87.79%		97.29%	78.49%	76.13%	89.94%	103.87%	40,861,335	38,305,052	35,507,147	38,770,167	32,719,112
Pension Obligations	190		97.57%	172.27%	147.53%		97.57%	215.87%	216.88%	102.90%	107.38%	11,415,451	22,450,403	20,452,252	9,843,048	9,449,462
Services	200		92.20%	92.51%	86.34%		92.20%	93.46%	91.86%	79.73%	72.74%	20,225,877	19,597,086	18,412,885	16,130,105	13,613,915
Power	220											-	-	-	-	-
Materials and Supplies	300		95.63%	89.60%	88.80%		95.63%	93.09%	79.85%	81.17%	94.01%	6,480,357	5,874,764	5,158,682	5,255,415	6,097,487
Chemicals	307											-	-	-	-	-
Equipment	400											-	-	-	-	-
Contributions	500		59.06%	76.73%	71.97%		59.06%	92.85%	78.30%	46.86%	82.79%	3,842,040	6,036,579	5,090,380	3,047,230	5,383,840
Transfers	800											-	-	-	-	-
Total PWD Inter Departmental O&M Expenses Summary			91.73%	93.82%	92.74%		91.73%	96.24%	93.56%	86.38%	96.04%	**$151,393,779**	**$152,615,511**	**$144,125,309**	**$129,941,283**	**$128,321,799**

Inter Departmental O&M - Water and Sewer Allocation — Assumptions - 31

		2016 Budget Detail		Allocation Water	Allocation Wastewater	Allocation Stormwater
PWD Inter Departmental O&M						
Division of Technology						
Class 100 - UBIS		642,557	10.26%	33.30%	33.40%	33.30%
Class 100 - All Other		5,622,732	89.74%	61.00%	39.00%	0.00%
Class 100 - Total	100	6,265,289	100.00%	58.16%	38.43%	3.42%
Class 200 - UBIS		6,199,400	42.15%	33.30%	33.40%	33.30%
Class 200 - All Other		8,507,097	57.85%	61.00%	39.00%	0.00%
Class 200 - Total	200	14,706,497	100.00%	49.32%	36.64%	14.04%
Class 300 - UBIS		67,200	31.08%	33.30%	33.40%	33.30%
Class 300 - All Other		149,000	68.92%	61.00%	39.00%	0.00%
Class 300 - Total	300	216,200	100.00%	52.39%	37.26%	10.35%
Class 400 - UBIS		561,900	31.06%	33.30%	33.40%	33.30%
Class 400 - All Other		1,247,050	68.94%	61.00%	39.00%	0.00%
Class 400 - Total	400	1,808,950	100.00%	52.40%	37.26%	10.34%
Class 500 - UBIS		0	0.00%	33.30%	33.40%	33.30%
Class 500 - All Other		0	100.00%	61.00%	39.00%	0.00%
Class 500 - Total	500	0	100.00%	61.00%	39.00%	0.00%
Class 800 - UBIS		0	0.00%	33.30%	33.40%	33.30%
Class 800 - All Other		0	100.00%	61.00%	39.00%	0.00%
Class 800 - Total	800	0	100.00%	61.00%	39.00%	0.00%
Subtotal Division of Technology		22,996,936				
Mayor's Office of Transportation & Utilities						
	100			36.00%	64.00%	0.00%

Subtotal Police		$ -	$ -	$ -	$ -	$ -	
Public Property							
Salaries & Wages	100	$ -	$ -	$ -	$ -	$ -	
Services	200	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,739,360	$ 2,500,266	
Materials and Supplies	300	$ -	$ -	$ -	$ -	$ -	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ -	$ -	$ -	$ -	$ -	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal Public Property		$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,739,360	$ 2,500,266	
Fleet Management							
Salaries & Wages	100	$ 2,969,317	$ 2,745,986	$ 2,745,986	$ 2,745,986	$ 2,745,986	
Services	200	$ 1,489,000	$ 1,489,000	$ 1,489,000	$ 1,489,000	$ 1,489,000	
Materials and Supplies	300	$ 4,274,640	$ 4,274,640	$ 4,274,640	$ 4,274,640	$ 4,274,640	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ -	$ -	$ -	$ -	$ -	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal Fleet Management		$ 8,732,957	$ 8,509,626	$ 8,509,626	$ 8,509,626	$ 8,509,626	
City Finance							
Salaries & Wages	100	$ -	$ -	$ -	$ -	$ -	
Benefits	1xx	$ 53,120,209	$ 43,330,000	$ 43,130,000	$ 43,130,000	$ 40,480,000	
Pension	191	$ 42,000,000	$ 48,800,000	$ 46,638,000	$ 43,106,000	$ 31,500,000	
Pension Obligations	190	$ 11,700,000	$ 10,400,000	$ 9,430,000	$ 9,566,000	$ 8,800,000	
Services	200	$ -	$ -	$ -	$ -	$ -	
Materials and Supplies	300	$ -	$ -	$ -	$ -	$ -	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ 6,500,000	$ 6,500,000	$ 6,500,000	$ 6,500,000	$ 6,500,000	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal City Finance		$113,320,209	$109,030,000	$105,698,000	$102,302,000	$ 87,280,000	
Revenue							
Salaries & Wages	100	$ 11,404,254	$ 11,188,570	$ 10,874,716	$ 11,092,316	$ 10,649,066	
Services	200	$ 4,244,480	$ 4,100,780	$ 4,022,815	$ 3,852,510	$ 3,578,000	
Materials and Supplies	300	$ 640,920	$ 788,120	$ 808,425	$ 902,800	$ 913,980	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ 5,000	$ 1,500	$ 1,500	$ 3,000	$ 3,000	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal Revenue		$ 16,294,654	$ 16,078,970	$ 15,707,456	$ 15,850,626	$ 15,144,046	
Procurement							
Salaries & Wages	100	$ 77,383	$ 69,028	$ 69,028	$ 69,028	$ 69,228	
Services	200	$ -	$ -	$ -	$ -	$ -	
Materials and Supplies	300	$ -	$ -	$ -	$ -	$ -	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ -	$ -	$ -	$ -	$ -	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal Procurement		$ 77,383	$ 69,028	$ 69,028	$ 69,028	$ 69,228	
Law							
Salaries & Wages	100	$ 2,506,206	$ 2,432,087	$ 2,373,754	$ 2,305,324	$ 2,516,764	
Services	200	$ 691,614	$ 691,614	$ 691,614	$ 691,614	$ 691,614	
Materials and Supplies	300	$ 43,010	$ 43,010	$ 43,010	$ 43,010	$ 43,010	
Equipment	400	$ -	$ -	$ -	$ -	$ -	
Contributions	500	$ -	$ -	$ -	$ -	$ -	
Transfers	800	$ -	$ -	$ -	$ -	$ -	
Subtotal Law		$ 3,240,830	$ 3,166,711	$ 3,108,378	$ 3,039,948	$ 3,251,388	
PWD Inter Departmental O&M Expenses Summary							
Salaries & Wages	100	$ 23,004,957	$ 22,261,042	$ 21,834,703	$ 21,418,430	$ 21,123,986	
Benefits	1xx	53,120,209	43,330,000	43,130,000	43,130,000	40,480,000	
Pension	191	42,000,000	48,800,000	46,638,000	43,106,000	31,500,000	
Pension Obligations	190	11,700,000	10,400,000	9,430,000	9,566,000	8,800,000	
Services	200	21,936,231	20,968,733	20,045,000	20,230,209	18,716,605	
Power	220	-	-	-	-	-	
Materials and Supplies	300	6,776,220	6,311,120	6,460,125	6,474,808	6,485,988	
Chemicals	307	-	-	-	-	-	
Equipment	400	-	-	-	-	-	
Contributions	500	6,505,000	6,501,500	6,501,500	6,503,000	6,503,000	
Transfers	800	-	-	-	-	-	
Total PWD Inter Departmental O&M Expenses Summary		**$165,042,617**	**$158,572,395**	**$154,039,328**	**$150,428,447**	**$133,609,579**	

Inter Departmental O&M - Water and Sewer Allocation Assumptions - 3

PWD Inter Departmental O&M

Division of Technology

Class 100 - UBIS						
Class 100 - All Other						
Class 100 - Total	100					
Class 200 - UBIS						
Class 200 - All Other						
Class 200 - Total	200					
Class 300 - UBIS						
Class 300 - All Other						
Class 300 - Total	300					
Class 400 - UBIS						
Class 400 - All Other						
Class 400 - Total	400					
Class 500 - UBIS						
Class 500 - All Other						
Class 500 - Total	500					
Class 800 - UBIS						
Class 800 - All Other						
Class 800 - Total	800					
Subtotal Division of Technology						
Mayor's Office of Transportation & Utilities						
	100					

200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	36.00%	64.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal Mayor's Office of Transportation & Utilities				
Police				
100	36.00%	64.00%	0.00%	
200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	36.00%	64.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal Police				
Public Property				
100	36.00%	64.00%	0.00%	
200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	36.00%	64.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal Public Property				
Fleet Management				
100	36.00%	64.00%	0.00%	
200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	36.00%	64.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal Fleet Management				
City Finance				
100	36.00%	64.00%	0.00%	
110	NA	NA	NA	
110	NA	NA	NA	
110	NA	NA	NA	
200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	37.00%	63.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal City Finance				
Revenue				Last Rate Case WW/SW Split
100	33.40%	33.30%	33.30%	
200	33.40%	33.30%	33.30%	0.389 0.278
300	33.40%	33.30%	33.30%	
400	33.40%	33.30%	33.30%	
500	33.40%	33.30%	33.30%	
800	33.40%	33.30%	33.30%	
Subtotal Revenue				
Procurement				
100	36.00%	64.00%	0.00%	
200	36.00%	64.00%	0.00%	
300	36.00%	64.00%	0.00%	
400	36.00%	64.00%	0.00%	
500	36.00%	64.00%	0.00%	
800	36.00%	64.00%	0.00%	
Subtotal Procurement				
Law				
100	37.00%	63.00%	0.00%	
200	37.00%	63.00%	0.00%	
300	37.00%	63.00%	0.00%	
400	37.00%	63.00%	0.00%	
500	37.00%	63.00%	0.00%	
800	37.00%	63.00%	0.00%	
Subtotal Law				

WTP Sludge Costs Growth — Assumptions - 32

	Use	Averages Growth 1 Year	3 Year	5 Year	Annual Growth 2015	2016	2017	2018	2019	2020	2021	2015	2016	2017
WTP Sludge Costs	6.00%	8.02%	6.34%	6.08%	0.06%	4.77%	6.63%	5.40%	5.60%	8.02%		$ 10,447,550	$ 10,453,302	$ 10,951,693

NOTE: ONLY REQUIRED FOR PROJECTIONS BEYOND FY 2021. PROJECTIONS THRU FY2021 REFLECT ALLOCATIONS FROM SCOS.

Liquidated Encumbrance Ratio — Assumptions - 33

	Use	Historical Averages 1 Year	3 Year	5 Year	Liquidated Encumbrance Ratio 2015	2014	2013	2012	2011	Class 200 & 300 O&M 2015	2014	2013	2012	2011
Actual	19.23%	12.50%	19.23%	17.66%	12.50%	24.93%	20.45%	14.24%	16.11%	$154,790,275	$150,180,463	$152,337,151	$146,123,301	$137,940,874
Budget	34,234,456	12.29%	12.08%	12.03%	12.29%	12.56%	11.37%	12.80%	11.08%	178,939,900	175,123,600	175,874,300	156,189,400	153,416,100

Ratio: Liquidated Encumbrances to Total Class 200 & 300 O&M

Liquidated Encumbrance Water/Sewer Allocation — Assumptions - 34

	Use	Averages Growth 1 Year	3 Year	5 Year	Allocation of Class 200 & 300 2015	2016	2017	2018	2019	2020	2021	2015	2016	2017
Direct Costs - Class 200 & 300														
Water	40.00%	37.05%	37.35%	37.35%	37.05%	37.46%	37.53%	37.63%	36.96%	36.98%	36.99%	$ 62,386,588	$ 64,376,015	$ 65,343,415
Sewer	60.00%	62.95%	62.65%	62.65%	62.95%	62.54%	62.47%	62.37%	63.04%	63.02%	63.01%	106,001,821	107,495,581	108,753,329
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	$168,388,409	$171,871,596	$174,096,744

Rate Stabilization Fund Balance Allocation b/w W & WW — Assumptions - 35

Water	40%
Wastewater	60%

Revenue/Operating Fund Balance Allocation b/w W & WW — Assumptions - 36

Water	40%
Wastewater	60%

200
300
400
500
800

Subtotal Mayor's Office of Transportation & Uti

Police

100
200
300
400
500
800

Subtotal Police

Public Property

100
200
300
400
500
800

Subtotal Public Property

Fleet Management

100
200
300
400
500
800

Subtotal Fleet Management

City Finance

100
110
110
110
200
300
400
500
800

Subtotal City Finance

Revenue

100
200
300
400
500
800

Subtotal Revenue

Procurement

100
200
300
400
500
800

Subtotal Procurement

Law

100
200
300
400
500
800

Subtotal Law

WTP Sludge Costs Growth	Assumptions - 32				Assumptions - 3
	Projected				
	2018	2019	2020	2021	
WTP Sludge Costs	$ 11,677,838	$ 12,308,651	$ 12,997,941	$ 14,040,883	

NOTE: ONLY REQUIRED FOR PROJECTIONS BEYOND FY 2021.

Liquidated Encumbrance Ratio	Assumptions - 33				Assumptions - 3
	Liquidated Encumbrances				
	2015	2014	2013	2012	2011
Actual	$ 19,351,000	$ 37,436,342	$ 31,148,000	$ 20,802,000	$ 22,225,000
Budget	$ 22,000,000	$ 22,000,000	$ 20,000,000	$ 20,000,000	$ 17,000,000

Liquidated Encumbrance Water/Sewer Allocation	Assumptions - 34				Assumptions - 3
	cted Class 200 & 300				
	2018	2019	2020	2021	
Direct Costs - Class 200 & 300					
Water	$ 66,996,321	$ 70,617,874	$ 72,511,616	$ 74,368,358	
Sewer	111,040,026	120,437,073	123,565,685	126,688,756	
Total	$178,036,347	$191,054,947	$196,077,301	$201,057,114	

Rate Stabilization Fund Balance Allocation b/w W & WW		Assumptions - 3
Water	40%	
Wastewater	60%	

Revenue/Operating Fund Balance Allocation b/w W & WW		Assumptions - 3
Water	40%	
Wastewater	60%	

CIP Inflation — Assumptions - 37

Low	0%
Medium	4%
High	4%
Base Year	2017

Transfer to General Fund Adjustment — Assumptions - 38

Description	Water	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Additional Transfer																
xxxxxx	0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx	0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx	0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Allocation																
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wastewater Allocation																
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE: CURRENTLY NOT IN USE

Stormwater IA GA Projections — Assumptions - 39

Factor 1000

Average IA Per Parcel	Residential	Use	Non Residential	Use	Condominium	Use
Non-Discount	(Sq Ft)	(1,000 Sq Ft)	(Sq Ft)	(1,000 Sq Ft)	(Sq Ft)	(1,000 Sq Ft)
Water & Sewer	1,050	1.050	14,127.81	14.128	10,136.00	10.136
SW Only	1,050	1.050	2,295.49	2.295	6,821.00	6.821
Discount Non-PHA						
Water & Sewer	1,050	1.050	46,926.43	46.926	26,439.00	26.439
SW Only	1,050	1.050	12,580.00	12.580	20,647.00	20.647
Discount PHA						
Water & Sewer	1,050	1.050	23,030.41	23.030	6,158.00	6.158
SW Only	1,050	1.050	1,087.96	1.088		0.000
City Owned						
Water & Sewer	1,050	1.050	144,603.13	144.603	7,842.00	7.842
SW Only	1,050	1.050	14,557.28	14.557		0.000

Average GA Per Parcel	Residential	Use	Non Residential	Use	Condominium	Use
Non-Discount	(Sq Ft)	(1,000 Sq Ft)	(Sq Ft)	(1,000 Sq Ft)	(Sq Ft)	(1,000 Sq Ft)
Water & Sewer	2,110	2.110	22,410.87	22.411	15,060.00	15.060
SW Only	2,110	2.110	6,940.07	6.940	10,697.00	10.697
Discount Non-PHA						
Water & Sewer	2,110	2.110	90,855.70	90.856	55,948.00	55.948
SW Only	2,110	2.110	21,591.00	21.591	24,687.00	24.687
Discount PHA						
Water & Sewer	2,110	2.110	46,129.71	46.130	9,358.00	9.358
SW Only	2,110	2.110	4,209.87	4.210		0.000
City Owned						
Water & Sewer	2,110	2.110	482,117.70	482.118	8,543.00	8.543
SW Only	2,110	2.110	95,328.65	95.329		0.000

Average is for 2 years -FY 2014 and FY 2015 (as of March 2015)

Stormwater Deductions Projections — Assumptions - 40

Factor 1,000

IA and GA For Use (1,000 Sq Ft)

Total credits (Excluding Fairmount Park)	2016	2017	2018	2019	2020	2021
Parcels	959	1,052	1,145	1,238	1,331	1,424
Impervious Area	88,919	97,969	107,203	117,038	126,985	137,059
Gross Area	258,313	274,570	290,926	307,786	324,646	341,506
Total credits (City Owned Fairmount Park)	2016	2017	2018	2019	2020	2021
Parcels	1	1	1	1	1	1
Impervious Area	37	37	37	37	37	37
Gross Area	262	262	262	262	262	262

Credit Projections -Source UOS Book & Credit Projections Book

Total credits (Excluding Fairmount Park)	2016	2017	2018	2019	2020	2021
Parcels	959	1,052	1,145	1,238	1,331	1,424
Impervious Area	88,919,108	97,969,298	107,202,618	117,037,948	126,985,278	137,058,608
Gross Area	258,312,656	274,569,596	290,925,666	307,785,736	324,645,816	341,505,886
Total credits (City Owned Fairmount Park)	2016	2017	2018	2019	2020	2021
Parcels	1	1	1	1	1	1
Impervious Area	37,362	37,362	37,362	37,362	37,362	37,362
Gross Area	261,924	261,924	261,924	261,924	261,924	261,924

Choose Credit Allocation 0

	Use-Percent Allocation for projection of Credits			Existing (0)-Percent Allocation for projection of Credits			Alternative (1)-Percent Allocation for projection of Credits		
	Parcels	**Impervious Area**	**Gross Area**	**Parcels**	**Impervious Area**	**Gross Area**	**Parcels**	**Impervious Area**	**Gross Area**
Residential									
Non-Discount									
Water & Sewer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Discount Non-PHA									
Water & Sewer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Discount PHA									
Water & Sewer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
City Owned									
Water & Sewer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Non Residential									
Non-Discount									
Water & Sewer	50.1%	68.3%	49.2%	50.05%	68.27%	49.15%	0.0%	0.0%	0.0%
SW Only	25.5%	13.0%	24.7%	25.49%	13.03%	24.67%	0.0%	0.0%	0.0%
Discount Non-PHA									
Water & Sewer	17.4%	5.8%	12.4%	17.42%	5.82%	12.39%	0.0%	0.0%	0.0%
SW Only	1.4%	0.1%	0.1%	1.38%	0.13%	0.10%	0.0%	0.0%	0.0%
Discount PHA									
Water & Sewer	0.1%	0.0%	0.1%	0.12%	0.00%	0.10%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
City owned									
Water & Sewer	2.0%	9.7%	11.4%	1.96%	9.71%	11.39%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
Condominiums									

CIP Inflation — Assumptions - 3

Low	0%
Medium	4%
High	4%
Base Year	2017

Transfer to General Fund Adjustment — Assumptions - 3

Description	Water
Additional Transfer	
xxxxxx	0%
xxxxxx	0%
xxxxxx	0%
Total	
Water Allocation	
xxxxxx	
xxxxxx	
xxxxxx	
Total	
Wastewater Allocation	
xxxxxx	
xxxxxx	
xxxxxx	
Total	

NOTE: CURRENTLY NOT IN USE

Stomrwater IA GA Projections — Assumptions - 3

Factor 1000

Average IA Per Parcel	Residential
Non-Discount	(Sq Ft)
Water & Sewer	1,050
SW Only	1,050
Discount Non-PHA	
Water & Sewer	1,050
SW Only	1,050
Discount PHA	
Water & Sewer	1,050
SW Only	1,050
City Owned	
Water & Sewer	1,050
SW Only	1,050

Average GA Per Parcel	Residential
Non-Discount	(Sq Ft)
Water & Sewer	2,110
SW Only	2,110
Discount Non-PHA	
Water & Sewer	2,110
SW Only	2,110
Discount PHA	
Water & Sewer	2,110
SW Only	2,110
City Owned	
Water & Sewer	2,110
SW Only	2,110

Average is for 2 years -FY 2014 and FY 2015 (as of March 20

Stormwater Deductions Projections — Assumptions - 4

Factor 1,000

	IA and GA For L
Total credits (Excluding Fairmount Park)	2016
Parcels	959
Impervious Area	88,919
Gross Area	258,313
Total credits (City Owned Fairmount Park)	2016
Parcels	1
Impervious Area	37
Gross Area	262
Choose Credit Allocation	0

	Use-Percent All **Parcels**
Residential	
Non-Discount	
Water & Sewer	0.0%
SW Only	0.0%
Discount Non-PHA	
Water & Sewer	0.0%
SW Only	0.0%
Discount PHA	
Water & Sewer	0.0%
SW Only	0.0%
City Owned	
Water & Sewer	0.0%
SW Only	0.0%
Non Residential	
Non-Discount	
Water & Sewer	50.1%
SW Only	25.5%
Discount Non-PHA	
Water & Sewer	17.4%
SW Only	1.4%
Discount PHA	
Water & Sewer	0.1%
SW Only	0.0%
City owned	
Water & Sewer	2.0%
SW Only	0.0%
Condominiums	

Non-Discount									
Water & Sewer	3.1%	2.7%	1.9%	3.11%	2.66%	1.90%	0.0%	0.0%	0.0%
SW Only	0.1%	0.1%	0.1%	0.12%	0.08%	0.10%	0.0%	0.0%	0.0%
Discount Non-PHA									
Water & Sewer	0.4%	0.3%	0.2%	0.35%	0.30%	0.20%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
Discount PHA									
Water & Sewer	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
City Owned									
Water & Sewer	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
SW Only	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%

Appeals	Use	Average	2016	2015	2014	2013
Annual Impervious Area Loss Per Parcel (sf)	3.245	3,245	2,950	3,540	8,130	5,820
Annual Gross Area Loss Per Parcel (sf)	3.690	3,690	6,470	910	1,070	6,630

Projection	2016	2017	2018	2019	2020	2021	2022	2023
# of Appeals	-10.00%	-8.00%	-6.00%	-5.00%	-5.00%	-5.00%	0.00%	0.00%

Exemptions	Use	To Use	2016	2015	2014	2013
Residential Sideyards						
Impervious Area Per Parcel (sf)	0.368	368	368	372	355	364
Gross Area Per Parcel (sf)	4.612	4,612	4,612	4,686	4,813	5,399
City Owned Vacant Lots						
Impervious Area Per Parcel (sf)	1.122	1,122	1,122	1,012	997	972
Gross Area Per Parcel (sf)	8.374	8,374	8,374	7,956	7,971	7,871
In Street Exempt Parcels						
Impervious Area Per Parcel (sf)	20.801	20,801	20,801	20,772	20,743	20,871
Gross Area Per Parcel (sf)	26.575	26,575	26,575	26,512	26,446	26,442

Projection	2016	2017	2018	2019	2020	2021	2022	2023	
# of Parcels	-10.00%	-8.00%	-6.00%	-5.00%	-5.00%	-5.00%	0.00%	0.00%	0.00%
# of Parcels	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	0.00%	0.00%	0.00%

Allocation of SMIP/GARP	Sanitary	Stormwater
	40.00%	60.00%

Constants **Assumptions - 41**

BILLING FREQUENCY

Senior Citizens	
5/8" Meter	12.00
> 5/8" Meter	12.00
General Service (Residential)	
5/8" Meter	12.00
> 5/8" Meter	12.00
General Service (Commercial)	
5/8" Meter	12.00
> 5/8" Meter	12.00
General Service (Industrial)	
5/8" Meter	12.00
> 5/8" Meter	12.00
General Service (Public Utilities)	
5/8" Meter	12.00
> 5/8" Meter	12.00
General Service (Excluding Senior Citizens)	
5/8" Meter	
> 5/8" Meter	
General Service (Including Senior Citizens)	
5/8" Meter	
> 5/8" Meter	
PHA	12.00
Charities & Schools	12.00
Hospital/University	12.00
Hand Bill	12.00
City Leased Properties	12.00
Scheduled	12.00
City	12.00
Fire Service	12.00
Public Fire (Hydrants)	12.00
Sewer Only	12.00
Groundwater	12.00

Non-Discount	
Water & Sewer	3.1%
SW Only	0.1%
Discount Non-PHA	
Water & Sewer	0.4%
SW Only	0.0%
Discount PHA	
Water & Sewer	0.0%
SW Only	0.0%
City Owned	
Water & Sewer	0.0%
SW Only	0.0%

Appeals	Use
Annual Impervious Area Loss Per Parcel (sf)	3.245
Annual Gross Area Loss Per Parcel (sf)	3.690

Exemptions	Use					
Residential Sideyards						
Impervious Area Per Parcel (sf)	0.368	0.00%	0.00%	0.00%	0.00%	0.00%
Gross Area Per Parcel (sf)	4.612					
City Owned Vacant Lots						
Impervious Area Per Parcel (sf)	1.122	0.00%	0.00%	0.00%	0.00%	0.00%
Gross Area Per Parcel (sf)	8.374					
In Street Exempt Parcels						
Impervious Area Per Parcel (sf)	20.801					
Gross Area Per Parcel (sf)	26.575					

Allocation of SMIP/GARP	Sanitary
	40.00%

Constants **Assumptions - 4**

BILLING FREQUENCY

Senior Citizens
5/8" Meter
> 5/8" Meter

General Service (Residential)
5/8" Meter
> 5/8" Meter

General Service (Commercial)
5/8" Meter
> 5/8" Meter

General Service (Industrial)
5/8" Meter
> 5/8" Meter

General Service (Public Utilities)
5/8" Meter
> 5/8" Meter

General Service (Excluding Senior Citizens)
5/8" Meter
> 5/8" Meter

General Service (Including Senior Citizens)
5/8" Meter
> 5/8" Meter

PHA
Charities & Schools
Hospital/University
Hand Bill
City Leased Properties
Scheduled
City
Fire Service
Public Fire (Hydrants)
Sewer Only
Groundwater

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

True Calculated Collections Based on Actual Billings

Insert New Year of Data

Billing Units Graph Toggle

Water Billings

Billing Data	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Water Accounts	503,034	505,938	521,531	507,076	509,158	504,447	504,447	504,447	504,447	504,447	504,447	504,447
Water Billed Volume	6,527,519	6,519,329	6,349,734	6,320,652	6,152,531	6,214,832	6,230,646	6,230,362	6,230,078	6,237,848	6,252,399	6,265,850
Water Billings	$ 205,210	$ 223,659	$ 232,297	$ 237,677	$ 251,197	$ 262,661	$ 264,386	$ 264,377	$ 264,368	$ 264,648	$ 265,174	$ 265,663
Sewer Accounts	472,213	474,930	490,530	475,845	477,282	471,789	471,789	471,789	471,789	471,789	471,789	471,789
Sewer Billed Volume	6,719,688	6,721,944	6,466,536	6,450,432	6,287,563	6,372,505	6,320,679	6,320,395	6,320,110	6,327,880	6,342,431	6,355,882
Sewer Billings	$ 260,097	$ 158,797	$ 164,014	$ 173,103	$ 189,294	$ 202,455	$ 202,724	$ 202,716	$ 202,708	$ 202,926	$ 203,335	$ 203,712

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - Accounts													Customer - 1									Customer - 1
Senior Citizens																						
5/8" Meter	Account - No Growth	18,545	18,797	19,153	19,230	19,518	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	19,518	19,230	19,153	18,797	18,545	18,317	17,862	18,637
> 5/8" Meter	Account - No Growth	2	2	4	5	5	4	4	4	4	4	4	4	4	5	5	4	2	2	2	2	3
Total Senior Citizens		18,547	18,799	19,157	19,235	19,523	20,192	20,192	20,192	20,192	20,192	20,192	20,192	20,192	19,523	19,235	19,157	18,799	18,547	18,319	17,864	18,640
General Service (Residential)																						
5/8" Meter	Account - No Growth	435,464	437,808	424,599	410,750	410,553	403,992	403,992	403,992	403,992	403,992	403,992	403,992	403,992	410,553	410,750	424,599	437,808	435,464	432,763	431,072	430,778
> 5/8" Meter	Account - No Growth	9,653	9,610	3,463	3,587	4,263	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,263	3,587	3,463	9,610	9,653	9,640	10,093	10,236
Total General Service (Residential)		445,117	447,418	428,062	414,337	414,816	408,819	408,819	408,819	408,819	408,819	408,819	408,819	408,819	414,816	414,337	428,062	447,418	445,117	442,403	441,165	441,014
General Service (Commercial)																						
5/8" Meter	Account - No Growth	-	-	27,620	27,381	27,978	27,872	27,872	27,872	27,872	27,872	27,872	27,872	27,872	27,978	27,381	27,620					
> 5/8" Meter	Account - No Growth	-	-	5,948	5,936	6,356	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,356	5,936	5,948					
Total General Service (Commercial)		-	-	33,568	33,317	34,334	34,442	34,442	34,442	34,442	34,442	34,442	34,442	34,442	34,334	33,317	33,568	-	-	-	-	-
General Service (Industrial)																						
5/8" Meter	Account - No Growth	-	-	530	537	520	547	547	547	547	547	547	547	547	520	537	530					
> 5/8" Meter	Account - No Growth	-	-	573	509	568	533	533	533	533	533	533	533	533	568	509	573					
Total General Service (Industrial)		-	-	1,103	1,046	1,088	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,088	1,046	1,103	-	-	-	-	-
General Service (Public Utilities)																						
5/8" Meter	Account - No Growth	-	-	34	34	37	44	44	44	44	44	44	44	44	37	34	34					
> 5/8" Meter	Account - No Growth	-	-	64	74	82	83	83	83	83	83	83	83	83	82	74	64					
Total General Service (Public Utilities)		-	-	98	108	119	127	127	127	127	127	127	127	127	119	108	98	-	-	-	-	-
General Service (Excluding Senior Citizens)																						
5/8" Meter		435,464	437,808	452,783	438,702	439,088	432,455	432,455	432,455	432,455	432,455	432,455	432,455	432,455	439,088	438,702	452,783	437,808	435,464	432,763	431,072	430,778
> 5/8" Meter		9,653	9,610	10,048	10,106	11,269	12,013	12,013	12,013	12,013	12,013	12,013	12,013	12,013	11,269	10,106	10,048	9,610	9,653	9,640	10,093	10,236
Total General Service (excluding SC)		445,117	447,418	462,831	448,808	450,357	444,468	444,468	444,468	444,468	444,468	444,468	444,468	444,468	450,357	448,808	462,831	447,418	445,117	442,403	441,165	441,014
General Service (Including Senior Citizens)																						
5/8" Meter		454,009	456,605	471,936	457,932	458,606	452,643	452,643	452,643	452,643	452,643	452,643	452,643	452,643	458,606	457,932	471,936	456,605	454,009	451,080	448,934	449,415
> 5/8" Meter		9,655	9,612	10,052	10,111	11,274	12,017	12,017	12,017	12,017	12,017	12,017	12,017	12,017	11,274	10,111	10,052	9,612	9,655	9,642	10,095	10,239
Total General Service (including SC)		463,664	466,217	481,988	468,043	469,880	464,660	464,660	464,660	464,660	464,660	464,660	464,660	464,660	469,880	468,043	481,988	466,217	463,664	460,722	459,029	459,654

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA	Account - No Growth	6,099	6,112	6,164	6,023	5,981	5,896	5,896	5,896	5,896	5,896	5,896	5,896	5,896	5,981	6,023	6,164	6,112	6,099	6,123	6,172	6,195
Charity and Schools	Account - No Growth	3,164	3,122	2,743	2,701	2,731	2,607	2,607	2,607	2,607	2,607	2,607	2,607	2,607	2,731	2,701	2,743	3,122	3,164	3,183	3,175	3,219
Hospital/University	Account - No Growth	-	-	397	409	427	502	502	502	502	502	502	502	502	427	409	397					
Hand Bill	Account - No Growth	-	-	287	264	272	270	270	270	270	270	270	270	270	272	264	287					
City Leased Properties	Account - No Growth	-	-	78	72	69	70	70	70	70	70	70	70	70	69	72	78	-	-	-	-	-
Scheduled	Account - No Growth	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-
City	Account - No Growth	812	923	1,033	935	921	972	972	972	972	972	972	972	972	921	935	1,033	923	812	852	907	911
Fire Service	Account - No Growth	4,087	4,240	3,486	3,306	3,511	4,104	4,104	4,104	4,104	4,104	4,104	4,104	4,104	3,511	3,306	3,486	4,240	4,087	4,371	4,329	4,057
Fire Hydrants	Account - No Growth	25,208	25,324	25,353	25,321	25,364	25,364	25,364	25,364	25,364	25,364	25,364	25,364	25,364	25,364	25,321	25,353	25,324	25,208	25,181	25,181	25,195
Total		503,034	505,938	521,531	507,076	509,158	504,447	504,447	504,447	504,447	504,447	504,447	504,447	504,447	509,158	507,076	521,531	505,938	503,034	500,432	498,793	499,231
Fire Service (Unmetered)	Account - No Growth	3,934	4,176	5,424	5,567	6,528	7,498	7,498	7,498	7,498	7,498	7,498	7,498	7,498	6,528	5,567	5,424	4,176	3,934	4,208	4,151	3,894

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Water Only													Customer - 2
Accounts													
Senior Citizens													
5/8" Meter	Account - No Growth	13	12	9	13	17	17	17	17	17	17	17	17
> 5/8" Meter	Account - No Growth	-	-	1	1	1	1	1	1	1	1	1	1
Total Senior Citizens		13	12	10	14	18	18	18	18	18	18	18	18
General Service (Residential)													
5/8" Meter	Account - No Growth	1,290	1,228	805	1,039	1,267	1,259	1,259	1,259	1,259	1,259	1,259	1,259
> 5/8" Meter	Account - No Growth	238	223	590	713	797	893	893	893	893	893	893	893
Total General Service (Residential)		1,528	1,451	1,395	1,752	2,064	2,152	2,152	2,152	2,152	2,152	2,152	2,152
General Service (Commercial)													
5/8" Meter	Account - No Growth	-	-	56	73	84	85	85	85	85	85	85	85
> 5/8" Meter	Account - No Growth	-	-	404	448	498	562	562	562	562	562	562	562
Total General Service (Commercial)		-	-	460	521	582	647	647	647	647	647	647	647
General Service (Industrial)													
5/8" Meter	Account - No Growth	-	-	2	3	3	3	3	3	3	3	3	3
> 5/8" Meter	Account - No Growth	-	-	31	36	38	40	40	40	40	40	40	40
Total General Service (Industrial)		-	-	33	39	41	43	43	43	43	43	43	43
General Service (Public Utilities)													
5/8" Meter	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
> 5/8" Meter	Account - No Growth	-	-	2	3	3	3	3	3	3	3	3	3
Total General Service (Public Utilities)		-	-	2	3	3	3	3	3	3	3	3	3
General Service (Excluding Senior Citizens)													
5/8" Meter		1,290	1,228	863	1,115	1,354	1,347	1,347	1,347	1,347	1,347	1,347	1,347
> 5/8" Meter		238	223	1,027	1,200	1,336	1,498	1,498	1,498	1,498	1,498	1,498	1,498
Total General Service (excluding SC)		1,528	1,451	1,890	2,315	2,690	2,845	2,845	2,845	2,845	2,845	2,845	2,845
General Service (Including Senior Citizens)													
5/8" Meter		1,303	1,240	872	1,128	1,371	1,364	1,364	1,364	1,364	1,364	1,364	1,364
> 5/8" Meter		238	223	1,028	1,201	1,337	1,499	1,499	1,499	1,499	1,499	1,499	1,499
Total General Service (including SC)		1,541	1,463	1,900	2,329	2,708	2,863	2,863	2,863	2,863	2,863	2,863	2,863

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water Only									Customer - 2
Accounts									
Senior Citizens									
5/8" Meter	17	17	13	9	12	13	15	18	18
> 5/8" Meter	1	1	1	1	-	-	-	-	-
Total Senior Citizens	18	18	14	10	12	13	15	18	18
General Service (Residential)									
5/8" Meter	1,259	1,267	1,039	805	1,228	1,290	1,313	1,368	1,357
> 5/8" Meter	893	797	713	590	223	238	265	285	295
Total General Service (Residential)	2,152	2,064	1,752	1,395	1,451	1,528	1,578	1,653	1,652
General Service (Commercial)									
5/8" Meter	85	84	73	56					
> 5/8" Meter	562	498	448	404					
Total General Service (Commercial)	647	582	521	460	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	3	3	3	2					
> 5/8" Meter	40	38	36	31					
Total General Service (Industrial)	43	41	39	33	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	-	-	-	-					
> 5/8" Meter	3	3	3	2					
Total General Service (Public Utilities)	3	3	3	2	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	1,347	1,354	1,115	863	1,228	1,290	1,313	1,368	1,357
> 5/8" Meter	1,498	1,336	1,200	1,027	223	238	265	285	295
Total General Service (excluding SC)	2,845	2,690	2,315	1,890	1,451	1,528	1,578	1,653	1,652
General Service (Including Senior Citizens)									
5/8" Meter	1,364	1,371	1,128	872	1,240	1,303	1,328	1,386	1,375
> 5/8" Meter	1,499	1,337	1,201	1,028	223	238	265	285	295
Total General Service (including SC)	2,863	2,708	2,329	1,900	1,463	1,541	1,593	1,671	1,670

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
PHA	Account - No Growth	-	-	99	119	124	135	135	135	135	135	135	135
Charities & Schools	Account - No Growth	40	35	108	108	125	107	107	107	107	107	107	107
Hospital/University	Account - No Growth	-	-	46	44	52	71	71	71	71	71	71	71
Hand Bill	Account - No Growth	-	-	16	16	18	23	23	23	23	23	23	23
City Leased Properties	Account - No Growth	-	-	21	24	28	30	30	30	30	30	30	30
Scheduled	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
City	Account - No Growth	24	36	101	100	91	110	110	110	110	110	110	110
Fire Service	Account - No Growth	-	-	3,397	3,221	3,430	4,030	4,030	4,030	4,030	4,030	4,030	4,030
Fire Hydrants	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
Total		1,605	1,534	5,688	5,961	6,576	7,369	7,369	7,369	7,369	7,369	7,369	7,369
Billed Volume (Mcf)													
Senior Citizens													
5/8" Meter	Volume - No Growth	80	76	54	68	83	70	70	70	70	70	70	70
> 5/8" Meter	Volume - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
Total Senior Citizens		80	76	54	68	83	70	70	70	70	70	70	70
General Service (Residential)													
5/8" Meter	Volume - No Growth	10,806	12,187	6,441	8,952	10,177	10,552	10,552	10,552	10,552	10,552	10,552	10,552
> 5/8" Meter	Volume - No Growth	65,633	82,399	1,552	3,461	2,962	3,198	3,198	3,198	3,198	3,198	3,198	3,198
Total General Service (Residential)		76,440	94,586	7,993	12,413	13,139	13,750	13,750	13,750	13,750	13,750	13,750	13,750
General Service (Commercial)													
5/8" Meter	Volume - No Growth	-	-	561	945	898	919	919	919	919	919	919	919
> 5/8" Meter	Volume - No Growth	-	-	11,501	16,150	18,169	26,384	26,384	26,384	26,384	26,384	26,384	26,384
Total General Service (Commercial)		-	-	12,062	17,095	19,067	27,303	27,303	27,303	27,303	27,303	27,303	27,303
General Service (Industrial)													
5/8" Meter	Volume - No Growth	-	-	20	28	48	39	39	39	39	39	39	39
> 5/8" Meter	Volume - No Growth	-	-	16,690	8,548	11,701	5,973	5,973	5,973	5,973	5,973	5,973	5,973
Total General Service (Industrial)		-	-	16,710	8,576	11,749	6,012	6,012	6,012	6,012	6,012	6,012	6,012
General Service (Public Utilities)													
5/8" Meter	Volume - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
> 5/8" Meter	Volume - No Growth	-	-	1	1	1	1	1	1	1	1	1	1
Total General Service (Public Utilities)		-	-	1	1	1	1	1	1	1	1	1	1
General Service (Excluding Senior Citizens)													
5/8" Meter		10,806	12,187	7,022	9,925	11,123	11,510	11,510	11,510	11,510	11,510	11,510	11,510
> 5/8" Meter		65,633	82,399	29,744	28,160	32,833	35,556	35,556	35,556	35,556	35,556	35,556	35,556
Total General Service (excluding SC)		76,440	94,586	36,766	38,085	43,956	47,066	47,066	47,066	47,066	47,066	47,066	47,066

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
PHA	135	124	119	99	-	-	-	-	-
Charities & Schools	107	125	108	108	35	40	44	26	26
Hospital/University	71	52	44	46					
Hand Bill	23	18	16	16					
City Leased Properties	30	28	24	21	-	-	-	-	-
Scheduled	-	-	-	-	-	-	-	-	-
City	110	91	100	101	36	24	34	38	38
Fire Service	4,030	3,430	3,221	3,397					
Fire Hydrants									
Total	7,369	6,576	5,961	5,688	1,534	1,605	1,671	1,735	1,734
Billed Volume (Mcf)									
Senior Citizens									
5/8" Meter	70	83	68	54	76	80	106	1,906	134
> 5/8" Meter	-	-	-	-	-	-	-	-	-
Total Senior Citizens	70	83	68	54	76	80	106	1,906	134
General Service (Residential)									
5/8" Meter	10,552	10,177	8,952	6,441	12,187	10,806	12,656	14,040	11,596
> 5/8" Meter	3,198	2,962	3,461	1,552	82,399	65,633	92,594	143,403	99,145
Total General Service (Residential)	13,750	13,139	12,413	7,993	94,586	76,440	105,250	157,443	110,741
General Service (Commercial)									
5/8" Meter	919	898	945	561					
> 5/8" Meter	26,384	18,169	16,150	11,501					
Total General Service (Commercial)	27,303	19,067	17,095	12,062	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	39	48	28	20					
> 5/8" Meter	5,973	11,701	8,548	16,690					
Total General Service (Industrial)	6,012	11,749	8,576	16,710	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	-	-	-	-					
> 5/8" Meter	1	1	1	1					
Total General Service (Public Utilities)	1	1	1	1	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	11,510	11,123	9,925	7,022	12,187	10,806	12,656	14,040	11,596
> 5/8" Meter	35,556	32,833	28,160	29,744	82,399	65,633	92,594	143,403	99,145
Total General Service (excluding SC)	47,066	43,956	38,085	36,766	94,586	76,440	105,250	157,443	110,741

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
General Service (Including Senior Citizens)																						
5/8" Meter		10,887	12,263	7,076	9,993	11,206	11,580	11,580	11,580	11,580	11,580	11,580	11,580	11,580	11,206	9,993	7,076	12,263	10,887	12,762	15,945	11,730
> 5/8" Meter		65,633	82,399	29,744	28,160	32,833	35,556	35,556	35,556	35,556	35,556	35,556	35,556	35,556	32,833	28,160	29,744	82,399	65,633	92,594	143,403	99,145
Total General Service (including SC)		76,520	94,662	36,820	38,153	44,039	47,136	47,136	47,136	47,136	47,136	47,136	47,136	47,136	44,039	38,153	36,820	94,662	76,520	105,356	159,348	110,875
PHA	Volume - No Growth	-	-	-	12	23	28	28	28	28	28	28	28	28	23	12	-	-	-	-	-	-
Charities & Schools	Volume - No Growth	1,200	3,120	695	929	6,057	1,265	1,265	1,265	1,265	1,265	1,265	1,265	1,265	6,057	929	695	3,120	1,200	7,549	2,152	796
Hospital/University	Volume - No Growth	-	-	69	60	51	44	44	44	44	44	44	44	44	51	60	69					
Hand Bill	Volume - No Growth	-	-	28,205	39,032	37,723	76,122	76,122	76,122	76,122	76,122	76,122	76,122	76,122	37,723	39,032	28,205					
City Leased Properties	Volume - No Growth	-	-	2,211	2,431	3,652	4,295	4,295	4,295	4,295	4,295	4,295	4,295	4,295	3,652	2,431	2,211	-	-	-	-	-
Scheduled	Volume - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City	Volume - No Growth	2,245	2,473	1,852	1,939	1,660	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	1,660	1,939	1,852	2,473	2,245	2,870	7,277	7,296
Fire Service	Volume - No Growth	-	-	5,407	6,123	6,286	7,915	7,915	7,915	7,915	7,915	7,915	7,915	7,915	6,286	6,123	5,407					
Fire Hydrants	Volume - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Total		79,965	100,255	75,259	88,679	99,491	138,858	138,858	138,858	138,858	138,858	138,858	138,858	138,858	99,491	88,679	75,259	100,255	79,965	115,776	168,777	118,967

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Water - Billed Volume (Mcf)													Customer - 3
Senior Citizens													
5/8" Meter		105,481	108,404	106,297	110,057	109,915	115,925	115,072	115,072	115,072	115,072	115,072	115,072
> 5/8" Meter		37	32	56	73	48	28	33	33	33	33	33	33
Total Senior Citizens		105,518	108,436	106,353	110,129	109,963	115,954	115,105	115,105	115,105	115,105	115,105	115,105
General Service (Residential)													
5/8" Meter		3,478,101	3,477,410	3,034,519	3,021,077	2,901,905	2,864,109	2,868,343	2,868,343	2,868,343	2,872,383	2,880,463	2,888,543
> 5/8" Meter		2,000,567	1,993,526	387,069	379,139	366,322	356,604	386,160	386,160	386,160	387,013	388,453	389,673
Total General Service (Residential)		5,478,667	5,470,936	3,421,588	3,400,216	3,268,227	3,220,713	3,254,503	3,254,503	3,254,503	3,259,397	3,268,916	3,278,216
General Service (Commercial)													
5/8" Meter		-	-	308,177	314,585	310,005	320,503	314,675	314,396	314,117	314,675	315,790	316,626
> 5/8" Meter		-	-	886,072	927,296	914,581	975,555	959,220	959,220	959,220	961,340	964,916	967,946
Total General Service (Commercial)		-	-	1,194,249	1,241,882	1,224,586	1,296,058	1,273,895	1,273,616	1,273,337	1,276,015	1,280,706	1,284,572
General Service (Industrial)													
5/8" Meter		-	-	5,814	5,761	5,758	6,221	6,148	6,143	6,137	6,148	6,170	6,187
> 5/8" Meter		-	-	100,862	85,902	90,318	84,463	85,280	85,280	85,280	85,468	85,786	86,056
Total General Service (Industrial)		-	-	106,676	91,663	96,076	90,683	91,428	91,423	91,417	91,617	91,957	92,242
General Service (Public Utilities)													
5/8" Meter		-	-	417	462	424	394	449	449	449	449	449	449
> 5/8" Meter		-	-	6,433	8,472	8,085	10,318	9,255	9,255	9,255	9,255	9,255	9,255
Total General Service (Public Utilities)		-	-	6,850	8,934	8,508	10,712	9,703	9,703	9,703	9,703	9,703	9,703
General Service (Excluding Senior Citizens)													
5/8" Meter		3,478,101	3,477,410	3,348,928	3,341,886	3,218,091	3,191,226	3,189,615	3,189,331	3,189,047	3,193,655	3,202,872	3,211,804
> 5/8" Meter		2,000,567	1,993,526	1,380,435	1,400,809	1,379,306	1,426,940	1,439,915	1,439,915	1,439,915	1,443,076	1,448,410	1,452,929
Total General Service (excluding SC)		5,478,667	5,470,936	4,729,363	4,742,695	4,597,397	4,618,166	4,629,530	4,629,245	4,628,961	4,636,731	4,651,282	4,664,733
General Service (Including Senior Citizens)													
5/8" Meter		3,583,581	3,585,814	3,455,224	3,451,943	3,328,006	3,307,152	3,304,687	3,304,403	3,304,118	3,308,727	3,317,943	3,326,876
> 5/8" Meter		2,000,604	1,993,558	1,380,491	1,400,882	1,379,354	1,426,968	1,439,948	1,439,948	1,439,948	1,443,109	1,448,443	1,452,962
Total General Service (including SC)		5,584,185	5,579,372	4,835,716	4,852,824	4,707,360	4,734,120	4,744,634	4,744,350	4,744,066	4,751,836	4,766,387	4,779,838

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007								
Water - Billed Volume (Mcf)									Customer - 3								
Senior Citizens																	
5/8" Meter	115,925	109,915	110,057	106,297	108,404	105,481	106,387	110,023	111,515								
> 5/8" Meter	28	48	73	56	32	37	31	17	29								
Total Senior Citizens	115,954	109,963	110,129	106,353	108,436	105,518	106,418	110,040	111,544								
General Service (Residential)																	
5/8" Meter	2,864,109	2,901,905	3,021,077	3,034,519	3,477,410	3,478,101	3,673,631	4,002,926	3,893,087								
> 5/8" Meter	356,604	366,322	379,139	387,069	1,993,526	2,000,567	2,115,367	2,346,616	2,133,680								
Total General Service (Residential)	3,220,713	3,268,227	3,400,216	3,421,588	5,470,936	5,478,667	5,788,998	6,349,541	6,026,766								
General Service (Commercial)																	
5/8" Meter	320,503	310,005	314,585	308,177													
> 5/8" Meter	975,555	914,581	927,296	886,072													
Total General Service (Commercial)	1,296,058	1,224,586	1,241,882	1,194,249	-	-	-	-	-								
General Service (Industrial)																	
5/8" Meter	6,221	5,758	5,761	5,814													
> 5/8" Meter	84,463	90,318	85,902	100,862													
Total General Service (Industrial)	90,683	96,076	91,663	106,676	-	-	-	-	-								
General Service (Public Utilities)																	
5/8" Meter	394	424	462	417													
> 5/8" Meter	10,318	8,085	8,472	6,433													
Total General Service (Public Utilities)	10,712	8,508	8,934	6,850	-	-	-	-	-								
General Service (Excluding Senior Citizens)																	
5/8" Meter	3,191,226	3,218,091	3,341,886	3,348,928	3,477,410	3,478,101	3,673,631	4,002,926	3,893,087								
> 5/8" Meter	1,426,940	1,379,306	1,400,809	1,380,435	1,993,526	2,000,567	2,115,367	2,346,616	2,133,680								
Total General Service (excluding SC)	4,618,166	4,597,397	4,742,695	4,729,363	5,470,936	5,478,667	5,788,998	6,349,541	6,026,766								
General Service (Including Senior Citizens)																	
5/8" Meter	3,307,152	3,328,006	3,451,943	3,455,224	3,585,814	3,583,581	3,780,018	4,112,949	4,004,601	-0.63%	-2.12%	-1.45%	-2.00%	-1.59%	-2.20%	-3.07%	-2.36%
> 5/8" Meter	1,426,968	1,379,354	1,400,882	1,380,491	1,993,558	2,000,604	2,115,398	2,346,632	2,133,709								
Total General Service (including SC)	4,734,120	4,707,360	4,852,824	4,835,716	5,579,372	5,584,185	5,895,416	6,459,581	6,138,311								

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA		189,555	186,964	176,852	166,971	165,984	178,327	170,984	170,984	170,984	170,984	170,984	170,984	178,327	165,984	166,971	176,852	186,964	189,555	202,060	210,602	204,518
Charities & Schools		486,877	513,022	215,860	216,268	217,250	192,057	199,696	199,696	199,696	199,696	199,696	199,696	192,057	217,250	216,268	215,860	513,022	486,877	560,379	552,872	501,050
Hospital/University		-	-	270,914	261,941	262,373	272,764	291,160	291,160	291,160	291,160	291,160	291,160	272,764	262,373	261,941	270,914					
Hand Bill		-	-	571,226	566,551	562,496	573,950	567,000	567,000	567,000	567,000	567,000	567,000	573,950	562,496	566,551	571,226					
City Leased Properties		-	-	8,004	6,813	8,095	8,984	8,610	8,610	8,610	8,610	8,610	8,610	8,984	8,095	6,813	8,004	-	-	-	-	-
Scheduled		-	-	12	16	22	21	21	21	21	21	21	21	21	22	16	12	-	-	-	-	-
City		255,050	233,500	254,944	233,283	219,674	243,041	237,460	237,460	237,460	237,460	237,460	237,460	243,041	219,674	233,283	254,944	233,500	255,050	255,050	251,384	349,435
Fire Service		11,852	6,471	16,208	15,986	9,277	11,569	11,081	11,081	11,081	11,081	11,081	11,081	11,569	9,277	15,986	16,208	6,471	11,852	2,750	1,834	2,005
Fire Hydrants		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		6,527,519	6,519,329	6,349,734	6,320,652	6,152,531	6,214,832	6,230,646	6,230,362	6,230,078	6,237,848	6,252,399	6,265,850	6,214,832	6,152,531	6,320,652	6,349,734	6,519,329	6,527,519	6,915,655	7,476,274	7,195,318

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Water - Billed Volume Per Account (Mcf/Account)													Customer - 4
Senior Citizens													
5/8" Meter	Volume - Small Decrease	5.69	5.77	5.55	5.72	5.63	5.74	5.70	5.70	5.70	5.70	5.70	5.70
> 5/8" Meter	Volume - No Growth	18.60	16.00	14.05	14.50	9.60	7.05	8.30	8.30	8.30	8.30	8.30	8.30
Total Senior Citizens		5.69	5.77	5.55	5.73	5.63	5.74	5.70	5.70	5.70	5.70	5.70	5.70
General Service (Residential)													
5/8" Meter	Volume - Small Decrease	7.99	7.94	7.15	7.36	7.07	7.09	7.10	7.10	7.10	7.11	7.13	7.15
> 5/8" Meter	Volume - No Growth wit	207.24	207.44	111.77	105.70	85.93	73.88	80.00	80.00	80.00	80.18	80.48	80.73
Total General Service (Residential)		12.31	12.23	7.99	8.21	7.88	7.88	7.96	7.96	7.96	7.97	8.00	8.02
General Service (Commercial)													
5/8" Meter	Volume - Small Decrease	-	-	11.16	11.49	11.08	11.50	11.29	11.28	11.27	11.29	11.33	11.36
> 5/8" Meter	Volume - No Growth wit	-	-	148.97	156.22	143.89	148.49	146.00	146.00	146.00	146.32	146.87	147.33
Total General Service (Commercial)		-	-	35.58	37.27	35.67	37.63	36.99	36.98	36.97	37.05	37.18	37.30
General Service (Industrial)													
5/8" Meter	Volume - Small Decrease	-	-	10.97	10.73	11.07	11.37	11.24	11.23	11.22	11.24	11.28	11.31
> 5/8" Meter	Volume - No Growth wit	-	-	176.02	168.77	159.01	158.47	160.00	160.00	160.00	160.35	160.95	161.46
Total General Service (Industrial)		-	-	96.71	87.63	88.31	83.97	84.66	84.65	84.65	84.83	85.14	85.41
General Service (Public Utilities)													
5/8" Meter	Volume - Small Decrease	-	-	12.26	13.60	11.45	8.96	10.20	10.20	10.20	10.20	10.20	10.20
> 5/8" Meter	Volume - No Growth	-	-	100.51	114.49	98.59	124.31	111.50	111.50	111.50	111.50	111.50	111.50
Total General Service (Public Utilities)		-	-	69.89	82.73	71.50	84.35	76.40	76.40	76.40	76.40	76.40	76.40
General Service (Excluding Senior Citizens)													
5/8" Meter		7.99	7.94	7.40	7.62	7.33	7.38	7.38	7.37	7.37	7.38	7.41	7.43
> 5/8" Meter		207.24	207.44	137.38	138.61	122.40	118.78	119.86	119.86	119.86	120.13	120.57	120.95
Total General Service (excluding SC)		12.31	12.23	10.22	10.57	10.21	10.39	10.42	10.42	10.41	10.43	10.46	10.50
General Service (Including Senior Citizens)													
5/8" Meter		7.89	7.85	7.32	7.54	7.26	7.31	7.30	7.30	7.30	7.31	7.33	7.35
> 5/8" Meter		207.21	207.40	137.33	138.55	122.35	118.75	119.83	119.83	119.83	120.09	120.53	120.91
Total General Service (including SC)		12.04	11.97	10.03	10.37	10.02	10.19	10.21	10.21	10.21	10.23	10.26	10.29

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007								
Water - Billed Volume Per Account (Mcf/Account)									Customer - 4								
Senior Citizens																	
5/8" Meter	5.74	5.63	5.72	5.55	5.77	5.69	5.81	6.16	5.98	1.97%	0.17%	1.14%	-0.11%	0.19%	-0.19%	-1.00%	-0.51%
> 5/8" Meter	7.05	9.60	14.50	14.05	16.00	18.60	15.50	8.30	9.77								
Total Senior Citizens	5.74	5.63	5.73	5.55	5.77	5.69	5.81	6.16	5.98								
General Service (Residential)																	
5/8" Meter	7.09	7.07	7.36	7.15	7.94	7.99	8.49	9.29	9.04	0.30%	-1.82%	-0.27%					
> 5/8" Meter	73.88	85.93	105.70	111.77	207.44	207.24	219.43	232.50	208.45								
Total General Service (Residential)	7.88	7.88	8.21	7.99	12.23	12.31	13.09	14.39	13.67								
General Service (Commercial)																	
5/8" Meter	11.50	11.08	11.49	11.16	-	-	-	-	-	3.78%	0.04%	1.01%					
> 5/8" Meter	148.49	143.89	156.22	148.97	-	-	-	-	-								
Total General Service (Commercial)	37.63	35.67	37.27	35.58	-	-	-	-	-								
General Service (Industrial)																	
5/8" Meter	11.37	11.07	10.73	10.97	-	-	-	-	-	2.70%	2.95%	1.21%					
> 5/8" Meter	158.47	159.01	168.77	176.02	-	-	-	-	-								
Total General Service (Industrial)	83.97	88.31	87.63	96.71	-	-	-	-	-								
General Service (Public Utilities)																	
5/8" Meter	8.96	11.45	13.60	12.26	-	-	-	-	-	-21.69%	-18.82%	-9.90%					
> 5/8" Meter	124.31	98.59	114.49	100.51	-	-	-	-	-								
Total General Service (Public Utilities)	84.35	71.50	82.73	69.89	-	-	-	-	-								
General Service (Excluding Senior Citizens)																	
5/8" Meter	7.38	7.33	7.62	7.40	7.94	7.99	8.49	9.29	9.04	0.69%	-1.58%	-0.08%	-1.82%	-1.57%	-2.31%	-3.23%	-2.50%
> 5/8" Meter	118.78	122.40	138.61	137.38	207.44	207.24	219.43	232.50	208.45								
Total General Service (excluding SC)	10.39	10.21	10.57	10.22	12.23	12.31	13.09	14.39	13.67								
General Service (Including Senior Citizens)																	
5/8" Meter	7.31	7.26	7.54	7.32	7.85	7.89	8.38	9.16	8.91	0.69%	-1.54%	-0.05%	-1.77%	-1.52%	-2.25%	-3.17%	-2.44%
> 5/8" Meter	118.75	122.35	138.55	137.33	207.40	207.21	219.39	232.45	208.39	-2.94%	-7.42%	-4.73%	-13.01%	-10.54%	-9.72%	-9.15%	-6.79%
Total General Service (including SC)	10.19	10.02	10.37	10.03	11.97	12.04	12.80	14.07	13.35	1.70%	-0.87%	0.51%	-3.94%	-3.29%	-3.73%	-4.51%	-3.33%

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA	Volume - No Growth	31.08	30.59	28.69	27.72	27.75	30.25	29.00	29.00	29.00	29.00	29.00	29.00	30.25	27.75	27.72	28.69	30.59	31.08	33.00	34.12	33.01
Charities & Schools	Volume - No Growth	153.87	164.32	78.69	80.07	79.55	73.67	76.60	76.60	76.60	76.60	76.60	76.60	73.67	79.55	80.07	78.69	164.32	153.87	176.05	174.13	155.65
Hospital/University	Volume - No Growth	-	-	682.40	640.44	614.46	543.35	580.00	580.00	580.00	580.00	580.00	580.00	543.35	614.46	640.44	682.40	-	-	-	-	-
Hand Bill	Volume - No Growth	-	-	1,990.33	2,146.03	2,068.00	2,125.74	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	2,125.74	2,068.00	2,146.03	1,990.33	-	-	-	-	-
City Leased Properties	Volume - No Growth	-	-	102.61	94.62	117.31	128.35	123.00	123.00	123.00	123.00	123.00	123.00	128.35	117.31	94.62	102.61	-	-	-	-	-
Scheduled	Volume - No Growth	-	-	5.75	7.80	11.00	10.35	10.70	10.70	10.70	10.70	10.70	10.70	10.35	11.00	7.80	5.75	-	-	-	-	-
City	Volume - No Growth	314.29	252.98	246.80	249.50	238.52	250.04	244.30	244.30	244.30	244.30	244.30	244.30	250.04	238.52	249.50	246.80	252.98	314.29	299.47	277.16	383.61
Fire Service	Volume - No Growth	2.90	1.53	4.65	4.84	2.64	2.82	2.70	2.70	2.70	2.70	2.70	2.70	2.82	2.64	4.84	4.65	1.53	2.90	0.63	0.42	0.49
Fire Hydrants	Volume - No Growth	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-
Total		12.98	12.89	12.18	12.46	12.08	12.32	12.35	12.35	12.35	12.37	12.39	12.42	12.32	12.08	12.46	12.18	12.89	12.98	13.82	14.99	14.41

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - Existing Rates													Customer - 5									Customer - 5
Actual Rate																						
Service Charge ($/bill)																						
5/8"		$ 5.53	$ 5.94	$ 6.37	$ 6.12	$ 6.44	$ 6.46	$ 6.46	$ 6.46	$ 6.46	$ 6.46	$ 6.46	$ 6.46	6.46	6.44	6.12	6.37	5.94	5.53	5.15	5.10	4.61
3/4"		6.40	6.84	7.31	7.11	7.47	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.47	7.11	7.31	6.84	6.40	5.95	5.91	5.15
1"		8.49	9.05	9.65	9.51	9.97	9.98	9.98	9.98	9.98	9.98	9.98	9.98	9.98	9.97	9.51	9.65	9.05	8.49	7.91	7.88	6.60
1 1/4"		11.10	11.80	12.55	12.51	13.08	13.10	13.10	13.10	13.10	13.10	13.10	13.10	13.10	13.08	12.51	12.55	11.80	11.10	10.34	10.34	8.37
1 1/2"		13.16	13.95	14.81	14.89	15.56	15.56	15.56	15.56	15.56	15.56	15.56	15.56	15.56	15.56	14.89	14.81	13.95	13.16	12.27	12.29	9.69
2"		19.45	20.57	21.82	22.10	23.06	23.05	23.05	23.05	23.05	23.05	23.05	23.05	23.05	23.06	22.10	21.82	20.57	19.45	18.14	18.22	14.04
3"		33.36	35.21	37.27	38.07	39.69	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.69	38.07	37.27	35.21	33.36	31.14	31.33	23.46
4"		58.14	61.45	65.10	66.21	69.05	69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.05	66.21	65.10	61.45	58.14	54.27	54.53	41.42
6"		112.48	118.76	125.72	128.30	133.73	133.60	133.60	133.60	133.60	133.60	133.60	133.60	133.60	133.73	128.30	125.72	118.76	112.48	104.98	105.58	79.37
8"		175.37	185.05	195.78	200.33	208.72	208.47	208.47	208.47	208.47	208.47	208.47	208.47	208.47	208.72	200.33	195.78	185.05	175.37	163.71	164.76	122.76
10"		254.49	268.60	284.23	290.56	302.78	302.43	302.43	302.43	302.43	302.43	302.43	302.43	302.43	302.78	290.56	284.23	268.60	254.49	237.54	239.01	178.65
12"		445.03	468.83	495.30	510.02	530.87	530.00	530.00	530.00	530.00	530.00	530.00	530.00	530.00	530.87	510.02	495.30	468.83	445.03	415.56	418.94	305.82
14"		-	-	-	-	-	-	-	-	-	-	-	-									
Volume Charge ($/Mcf)																						
0 - 2 Mcf		27.19	29.85	32.85	35.63	37.12	39.05	39.05	39.05	39.05	39.05	39.05	39.05	39.05	37.12	35.63	32.85	29.85	27.19	24.49	21.80	21.14
2 - 100 Mcf		21.93	24.13	26.62	28.64	30.20	31.54	31.54	31.54	31.54	31.54	31.54	31.54	31.54	30.20	28.64	26.62	24.13	21.93	19.72	17.27	16.75
100 - 2,000 Mcf		20.07	22.14	24.43	26.30	27.56	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	27.56	26.30	24.43	22.14	20.07	18.13	15.36	14.90
Over 2,000 Mcf		15.30	16.86	18.60	19.48	20.93	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	20.93	19.48	18.60	16.86	15.30	13.79	11.50	11.15
Private Fire Charge ($/bill)																						
5/8"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
3/4"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
1"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
1 1/4"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
1 1/2"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
2"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
3"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
4"		20.26	21.95	23.77	22.38	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.66	22.38	23.77	21.95	20.26	18.70	19.10	19.07
6"		36.79	39.85	43.16	40.80	43.11	43.35	43.35	43.35	43.35	43.35	43.35	43.35	43.35	43.11	40.80	43.16	39.85	36.79	33.92	34.76	34.62
8"		54.39	58.90	63.78	60.53	63.93	64.27	64.27	64.27	64.27	64.27	64.27	64.27	64.27	63.93	60.53	63.78	58.90	54.39	50.13	51.50	51.17
10"		80.51	87.19	94.43	89.48	94.51	95.03	95.03	95.03	95.03	95.03	95.03	95.03	95.03	94.51	89.48	94.43	87.19	80.51	74.21	76.14	75.77
12"		120.50	130.48	141.32	135.39	142.90	143.61	143.61	143.61	143.61	143.61	143.61	143.61	143.61	142.90	135.39	141.32	130.48	120.50	110.89	114.63	113.62
14"		-	-	-	-	-	-	-	-	-	-	-	-									
Public Fire Charge (Annual Charge)		6,056,000	6,498,000	6,951,000	7,391,000	7,874,000	8,162,000	8,162,000	8,162,000	8,162,000	8,162,000	8,162,000	8,162,000	8,162,000	7,874,000	7,391,000	6,951,000	6,498,000	6,056,000	5,427,000	6,986,000	

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Effective Rate																						
Effective Months																						
Service Charge		12.00	12.00	12.00	6.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	12.00	12.00	12.00	8.00	12.00	12.00
Volume Charge		11.50	11.50	11.50	5.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	5.50	11.50	11.50	11.50	7.50	11.50	11.50
Service Charge																						
5/8"		5.53	5.94	6.37	6.25	6.44	6.46	6.46	6.46	6.46	6.46	6.46	6.46									
3/4"		6.40	6.84	7.31	7.21	7.47	7.49	7.49	7.49	7.49	7.49	7.49	7.49									
1"		8.49	9.05	9.65	9.58	9.97	9.98	9.98	9.98	9.98	9.98	9.98	9.98									
1 1/4"		11.10	11.80	12.55	12.53	13.08	13.10	13.10	13.10	13.10	13.10	13.10	13.10									
1 1/2"		13.16	13.95	14.81	14.85	15.56	15.56	15.56	15.56	15.56	15.56	15.56	15.56									
2"		19.45	20.57	21.82	21.96	23.06	23.05	23.05	23.05	23.05	23.05	23.05	23.05									
3"		33.36	35.21	37.27	37.67	39.69	39.64	39.64	39.64	39.64	39.64	39.64	39.64									
4"		58.14	61.45	65.10	65.66	69.05	69.00	69.00	69.00	69.00	69.00	69.00	69.00									
6"		112.48	118.76	125.72	127.01	133.73	133.60	133.60	133.60	133.60	133.60	133.60	133.60									
8"		175.37	185.05	195.78	198.06	208.72	208.47	208.47	208.47	208.47	208.47	208.47	208.47									
10"		254.49	268.60	284.23	287.40	302.78	302.43	302.43	302.43	302.43	302.43	302.43	302.43									
12"		445.03	468.83	495.30	502.66	530.87	530.00	530.00	530.00	530.00	530.00	530.00	530.00									
14"		-	-	-	-	-	-	-	-	-	-	-	-									
Volume Charge																						
0 - 2 Mcf		27.19	29.74	32.73	34.12	37.06	38.97	39.05	39.05	39.05	39.05	39.05	39.05									
2 - 100 Mcf		21.93	24.04	26.52	27.55	30.14	31.48	31.54	31.54	31.54	31.54	31.54	31.54									
100 - 2,000 Mcf		20.07	22.05	24.33	25.29	27.51	28.89	28.95	28.95	28.95	28.95	28.95	28.95									
Over 2,000 Mcf		15.30	16.80	18.53	19.00	20.87	21.94	21.98	21.98	21.98	21.98	21.98	21.98									
Private Fire Charge																						
5/8"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
3/4"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
1"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
1 1/4"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
1 1/2"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
2"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
3"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
4"		20.26	21.95	23.77	23.08	23.66	23.79	23.79	23.79	23.79	23.79	23.79	23.79									
6"		36.79	39.85	43.16	41.98	43.11	43.35	43.35	43.35	43.35	43.35	43.35	43.35									
8"		54.39	58.90	63.78	62.16	63.93	64.27	64.27	64.27	64.27	64.27	64.27	64.27									
10"		80.51	87.19	94.43	91.96	94.51	95.03	95.03	95.03	95.03	95.03	95.03	95.03									
12"		120.50	130.48	141.32	138.36	142.90	143.61	143.61	143.61	143.61	143.61	143.61	143.61									
14"		-	-	-	-	-	-	-	-	-	-	-	-									

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Water - Calculated Billings (prior to adjustment factor)													Customer - 6
Senior Citizens													
5/8" Meter		3,044	3,390	3,672	3,859	4,146	4,516	4,498	4,498	4,498	4,498	4,498	4,498
> 5/8" Meter		1	1	2	2	2	1	1	1	1	1	1	1
Total Senior Citizens		3,045	3,391	3,674	3,861	4,148	4,517	4,499	4,499	4,499	4,499	4,499	4,499
General Service (Residential)													
5/8" Meter		120,592	131,508	128,801	130,753	136,103	139,563	139,943	139,943	139,943	140,096	140,402	140,708
> 5/8" Meter		54,659	59,523	13,063	13,350	14,177	14,611	15,758	15,758	15,758	15,790	15,845	15,891
Total General Service (Residential)		175,251	191,031	141,864	144,103	150,280	154,175	155,701	155,701	155,701	155,887	156,247	156,599
General Service (Commercial)													
5/8" Meter		-	-	10,670	11,138	11,929	12,738	12,566	12,557	12,547	12,566	12,603	12,630
> 5/8" Meter		-	-	26,526	28,711	30,981	34,436	33,956	33,956	33,956	34,026	34,145	34,245
Total General Service (Commercial)		-	-	37,196	39,849	42,910	47,174	46,522	46,513	46,504	46,592	46,747	46,875
General Service (Industrial)													
5/8" Meter		-	-	193	198	212	237	235	235	234	235	235	236
> 5/8" Meter		-	-	2,820	2,498	2,867	2,803	2,833	2,833	2,833	2,839	2,849	2,858
Total General Service (Industrial)		-	-	3,013	2,696	3,079	3,039	3,068	3,068	3,068	3,074	3,085	3,094
General Service (Public Utilities)													
5/8" Meter		-	-	14	16	16	16	18	18	18	18	18	18
> 5/8" Meter		-	-	203	272	287	372	338	338	338	338	338	338
Total General Service (Public Utilities)		-	-	217	288	303	388	356	356	356	356	356	356
General Service (Excluding Senior Citizens)													
5/8" Meter		120,592	131,508	139,678	142,104	148,259	152,555	152,762	152,752	152,743	152,915	153,258	153,592
> 5/8" Meter		54,659	59,523	42,612	44,831	48,313	52,221	52,886	52,886	52,886	52,994	53,177	53,331
Total General Service (excluding SC)		175,251	191,031	182,290	186,935	196,573	204,776	205,647	205,638	205,629	205,909	206,435	206,924
General Service (Including Senior Citizens)													
5/8" Meter		123,636	134,898	143,350	145,963	152,405	157,070	157,260	157,250	157,241	157,413	157,756	158,090
> 5/8" Meter		54,660	59,524	42,614	44,833	48,315	52,223	52,887	52,887	52,887	52,995	53,178	53,333
Total General Service (including SC)		178,296	194,422	185,964	190,797	200,720	209,293	210,147	210,137	210,128	210,408	210,934	211,423

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - Calculated Billings (prior to adjustment factor)									Customer - 6
Senior Citizens									
5/8" Meter	4,554	4,157	3,898	3,707					
> 5/8" Meter	1	2	2	2					
Total Senior Citizens	4,555	4,159	3,900	3,709					
General Service (Residential)									
5/8" Meter	141,106	137,959	132,452	129,532					
> 5/8" Meter	12,199	11,915	11,340	11,114					
Total General Service (Residential)	153,305	149,875	143,792	140,646					
General Service (Commercial)									
5/8" Meter	13,960	13,143	12,324	11,770					
> 5/8" Meter	30,907	28,215	25,969	24,241					
Total General Service (Commercial)	44,867	41,358	38,293	36,011					
General Service (Industrial)									
5/8" Meter	266	243	225	224					
> 5/8" Meter	2,290	2,374	2,101	2,407					
Total General Service (Industrial)	2,556	2,617	2,326	2,632					
General Service (Public Utilities)									
5/8" Meter	18	18	17	15					
> 5/8" Meter	346	278	263	196					
Total General Service (Public Utilities)	364	296	280	211					
General Service (Excluding Senior Citizens)									
5/8" Meter	155,351	151,363	145,019	141,541					
> 5/8" Meter	45,742	42,783	39,673	37,958					
Total General Service (excluding SC)	201,092	194,146	184,692	179,499					
General Service (Including Senior Citizens)									
5/8" Meter	159,905	155,521	148,917	145,248					
> 5/8" Meter	45,743	42,785	39,675	37,960					
Total General Service (including SC)	205,648	198,305	188,592	183,208					

Description	Comparison of Calculated Billings to Actual Billings 2015	2014	2013	2012			
Senior Citizens							
5/8" Meter	99.15%	99.72%	99.00%	99.05%	(39)	(12)	(39)
> 5/8" Meter	119.87%	113.05%	111.01%	93.52%	0	0	0
Total Senior Citizens	99.16%	99.72%	99.00%	99.05%	(38)	(12)	(39)
General Service (Residential)							
5/8" Meter	98.91%	98.65%	98.72%	99.44%	(1,543)	(1,856)	(1,699)
> 5/8" Meter	119.77%	118.98%	117.72%	117.53%	2,412	2,262	2,010
Total General Service (Residential)	100.57%	100.27%	100.22%	100.87%	869	406	310
General Service (Commercial)							
5/8" Meter	91.25%	90.76%	90.38%	90.65%	(1,222)	(1,214)	(1,186)
> 5/8" Meter	111.42%	109.80%	110.56%	109.43%	3,529	2,766	2,742
Total General Service (Commercial)	105.14%	103.75%	104.06%	103.29%	2,307	1,552	1,556
General Service (Industrial)							
5/8" Meter	88.89%	87.25%	87.78%	86.19%	(30)	(31)	(28)
> 5/8" Meter	122.41%	120.77%	118.88%	117.14%	513	493	397
Total General Service (Industrial)	118.91%	117.66%	115.87%	114.50%	483	462	369
General Service (Public Utilities)							
5/8" Meter	89.35%	87.33%	90.35%	91.22%	(2)	(2)	(2)
> 5/8" Meter	107.40%	103.28%	103.56%	103.46%	26	9	9
Total General Service (Public Utilities)	106.50%	102.30%	102.74%	102.58%	24	7	8
General Service (Excluding Senior Citizens)							
5/8" Meter	98.20%	97.95%	97.99%	98.68%	(2,796)	(3,104)	(2,914)
> 5/8" Meter	114.17%	112.93%	113.00%	112.26%	6,480	5,530	5,158
Total General Service (excluding SC)	101.83%	101.25%	101.21%	101.55%	3,684	2,426	2,243
General Service (Including Senior Citizens)							
5/8" Meter	98.23%	98.00%	98.02%	98.69%	(2,835)	(3,115)	(2,953)
> 5/8" Meter	114.17%	112.93%	113.00%	112.26%	6,480	5,530	5,158
Total General Service (including SC)	101.77%	101.22%	101.17%	101.50%	3,645	2,415	2,204

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007							
PHA		4,676	5,050	5,283	5,180	5,580	6,212	5,989	5,989	5,989	5,989	5,989	5,989	6,022	5,556	5,177	5,265						103.16%	100.43%	100.06%	100.34%	190	24	3
Charities & Schools		8,888	10,196	5,027	5,205	5,687	5,281	5,476	5,476	5,476	5,476	5,476	5,476	5,199	5,581	5,126	4,930						101.56%	101.90%	101.55%	101.97%	81	106	79
Hospital/University		-	-	5,429	5,462	5,971	6,522	6,955	6,955	6,955	6,955	6,955	6,955	6,434	5,927	5,394	5,385						101.36%	100.73%	101.27%	100.82%	88	43	68
Hand Bill		-	-	13,835	14,209	15,395	16,458	16,292	16,292	16,292	16,292	16,292	16,292	14,430	13,624	12,483	12,739						114.05%	113.00%	113.83%	108.60%	2,028	1,771	1,726
City Leased Properties		-	-	225	200	250	285	275	275	275	275	275	275	299	278	219	245						95.23%	89.87%	91.39%	92.01%	(14)	(28)	(19)
Scheduled		-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	0										(0)	(0)	(0)
City		5,624	5,711	6,872	6,515	6,692	7,720	7,566	7,566	7,566	7,566	7,566	7,566	7,715	6,679	6,565	6,764						100.06%	100.20%	99.23%	101.60%	5	14	(50)
Fire Service		252	151	417	427	270	353	339	339	339	339	339	339	332	288	454	439						106.34%	93.88%	94.15%	94.94%	21	(18)	(27)
Private Fire (Unmetered)		1,418	1,631	2,294	2,290	2,757	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,032	2,888	2,485	2,495						105.00%	95.46%	92.12%	91.96%	152	(131)	(196)
Public Fire Charge (Hydrants)		6,056	6,498	6,951	7,391	7,874	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	7,874	7,391	6,951										-	-	-
Total		205,210	223,659	232,297	237,677	251,197	263,470	264,386	264,377	264,368	264,648	265,174	265,663	257,275	247,001	233,887	228,420						102.41%	101.70%	101.62%	101.70%	6,195	4,195	3,789

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Water - Retail - Billings Under Existing Rates													Customer - 7
Senior Citizens													
5/8" Meter		3,044	3,390	3,672	3,859	4,146	4,516	4,498	4,498	4,498	4,498	4,498	4,498
> 5/8" Meter		1	1	2	2	2	1	1	1	1	1	1	1
Total Senior Citizens		3,045	3,391	3,674	3,861	4,148	4,517	4,499	4,499	4,499	4,499	4,499	4,499
General Service (Residential)													
5/8" Meter		120,592	131,508	128,801	130,753	136,103	139,563	139,943	139,943	139,943	140,096	140,402	140,708
> 5/8" Meter		54,659	59,523	13,063	13,350	14,177	14,611	15,758	15,758	15,758	15,790	15,845	15,891
Total General Service (Residential)		175,251	191,031	141,864	144,103	150,280	154,175	155,701	155,701	155,701	155,887	156,247	156,599
General Service (Commercial)													
5/8" Meter		-	-	10,670	11,138	11,929	12,738	12,566	12,557	12,547	12,566	12,603	12,630
> 5/8" Meter		-	-	26,526	28,711	30,981	34,436	33,956	33,956	33,956	34,026	34,145	34,245
Total General Service (Commercial)		-	-	37,196	39,849	42,910	47,174	46,522	46,513	46,504	46,592	46,747	46,875
General Service (Industrial)													
5/8" Meter		-	-	193	198	212	237	235	235	234	235	235	236
> 5/8" Meter		-	-	2,820	2,498	2,867	2,803	2,833	2,833	2,833	2,839	2,849	2,858
Total General Service (Industrial)		-	-	3,013	2,696	3,079	3,039	3,068	3,068	3,068	3,074	3,085	3,094
General Service (Public Utilities)													
5/8" Meter		-	-	14	16	16	16	18	18	18	18	18	18
> 5/8" Meter		-	-	203	272	287	372	338	338	338	338	338	338
Total General Service (Public Utilities)		-	-	217	288	303	388	356	356	356	356	356	356
General Service (Excluding Senior Citizens)													
5/8" Meter		120,592	131,508	139,678	142,104	148,259	152,555	152,762	152,752	152,743	152,915	153,258	153,592
> 5/8" Meter		54,659	59,523	42,612	44,831	48,313	52,221	52,886	52,886	52,886	52,994	53,177	53,331
Total General Service (excluding SC)		175,251	191,031	182,290	186,935	196,573	204,776	205,647	205,638	205,629	205,909	206,435	206,924
General Service (Including Senior Citizens)													
5/8" Meter		123,636	134,898	143,350	145,963	152,405	157,070	157,260	157,250	157,241	157,413	157,756	158,090
> 5/8" Meter		54,660	59,524	42,614	44,833	48,315	52,223	52,887	52,887	52,887	52,995	53,178	53,333
Total General Service (including SC)		178,296	194,422	185,964	190,797	200,720	209,293	210,147	210,137	210,128	210,408	210,934	211,423

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - Retail - Billings Under Existing Rates									Customer - 7
Senior Citizens									
5/8" Meter	4,554	4,157	3,898	3,707	3,424	3,063	2,709	2,619	2,531
> 5/8" Meter	1	2	2	2	-	1	1	0	1
Total Senior Citizens	4,555	4,159	3,900	3,709	3,424	3,064	2,710	2,619	2,532
General Service (Residential)									
5/8" Meter	141,106	137,959	132,452	129,532	133,126	121,971	111,282	112,042	103,924
> 5/8" Meter	12,199	11,915	11,340	11,114	46,610	42,342	37,953	40,478	36,201
Total General Service (Residential)	153,305	149,875	143,792	140,646	179,736	164,313	149,235	152,520	140,125
General Service (Commercial)									
5/8" Meter	13,960	13,143	12,324	11,770	included above				
> 5/8" Meter	30,907	28,215	25,969	24,241					
Total General Service (Commercial)	44,867	41,358	38,293	36,011	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	266	243	225	224	included above				
> 5/8" Meter	2,290	2,374	2,101	2,407					
Total General Service (Industrial)	2,556	2,617	2,326	2,632	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	18	18	17	15	included above				
> 5/8" Meter	346	278	263	196					
Total General Service (Public Utilities)	364	296	280	211	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	155,351	151,363	145,019	141,541	133,126	121,971	111,282	112,042	103,924
> 5/8" Meter	45,742	42,783	39,673	37,958	46,610	42,342	37,953	40,478	36,201
Total General Service (excluding SC)	201,092	194,146	184,692	179,499	179,736	164,313	149,235	152,520	140,125
General Service (Including Senior Citizens)									
5/8" Meter	159,905	155,521	148,917	145,248	136,550	125,034	113,992	114,661	106,455
> 5/8" Meter	45,743	42,785	39,675	37,960	46,610	42,343	37,953	40,478	36,202
Total General Service (including SC)	205,648	198,305	188,592	183,208	183,160	167,376	151,945	155,139	142,657

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**	
PHA		4,676	5,050	5,283	5,180	5,580	6,212	5,989	5,989	5,989	5,989	5,989	5,989	6,022	5,556	5,177	5,265	4,994	4,633	4,224	4,114	3,853	
Charities & Schools		8,888	10,196	5,027	5,205	5,687	5,281	5,476	5,476	5,476	5,476	5,476	5,476	5,199	5,581	5,126	4,930	9,793	8,630	8,431	7,604	6,679	
Hospital/University		-	-	5,429	5,462	5,971	6,522	6,955	6,955	6,955	6,955	6,955	6,955	6,434	5,927	5,394	5,385						
Hand Bill		-	-	13,835	14,209	15,395	16,458	16,292	16,292	16,292	16,292	16,292	16,292	14,430	13,624	12,483	12,739						
City Leased Properties		-	-	225	200	250	285	275	275	275	275	275	275	299	278	219	245	-	0	0	0	0	
Scheduled		-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	0	-	0	0	0	0	
City		5,624	5,711	6,872	6,515	6,692	7,720	7,566	7,566	7,566	7,566	7,566	7,566	7,715	6,679	6,565	6,764	5,461	4,932	4,607	4,228	8,320	Input Reflects RFC Data
Fire Service		252	151	417	427	270	353	339	339	339	339	339	339	332	288	454	439	167	263	125	53	30	
Private Fire (Unmetered)		1,418	1,631	2,294	2,290	2,757	2,374	3,184	3,184	3,184	3,184	3,184	3,184	2,374	2,888	2,485	2,495	2,028	1,806	1,646	1,650	1,566	
Public Fire Charge (Hydrants)		6,056	6,498	6,951	7,391	7,874	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	7,874	7,391	6,951	6,562	5,992	5,714	7,248	7,007	
Misc City		-	-	-	-	-	-	-	-	-	-	-	-										Included as Misc Revenue
Total		205,210	223,659	232,297	237,677	251,197	262,661	264,386	264,377	264,368	264,648	265,174	265,663	256,617	247,002	233,887	228,420	212,164	193,634	176,693	180,036	170,112	
									257,521														

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - General Service Collections													Customer - 8									Customer - 8
					216,991	229,273	238,034															
Total General Service Billings		191,860	209,668	215,763	221,053	233,604	244,052	245,136	245,126	245,117	245,397	245,923	246,412	238,034	229,273	216,991	211,772	197,947	180,641	164,601	166,858	153,189
Collection Factors																						
Current Year		85.20%	80.60%	83.40%	83.30%	84.80%	84.80%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	**84.80%**	**84.80%**	**83.30%**	**83.40%**	**80.60%**	**85.20%**	83.50%		
First Year Prior		9.28%	9.28%	8.93%	10.05%	10.20%	10.25%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	**9.70%**	**10.20%**	**10.05%**	**8.93%**	**9.28%**	9.28%	9.00%		
Second Year Prior		2.00%	2.00%	2.00%	2.00%	2.35%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.35%	2.00%	**2.00%**	2.00%	2.00%	2.50%		
Collections		Actual	Actual	Actual	Actual	Actual	Calculated															
General Service		170,641	188,957	201,720	211,482	222,500	235,321	235,727	236,036	236,049	236,284	236,755	237,226	236,008	222,500	211,482	201,720	188,957	170,641	154,846	154,108	149,915
City		7,411	7,711	8,254	7,843	9,369	8,046	7,566	7,566	7,566	7,566	7,566	7,566	8,046	9,369	7,843	8,254	7,711	7,411	6,503	6,744	10,039
Public Fire		5,992	6,562	6,951	7,391	7,874	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	7,874	7,391	6,951	6,562	5,992	5,714	7,014	7,007
Private Fire		1,593	1,846	2,097	2,026	2,236	2,727	3,523	3,523	3,523	3,523	3,523	3,523	2,374	2,236	2,026	2,097	1,846	1,593	1,370	1,604	1,953
Total		185,637	205,076	219,021	228,742	241,979	254,257	254,977	255,287	255,300	255,535	256,006	256,477	254,590	241,979	228,742	219,021	205,076	185,637	168,433	169,470	168,913
General Service	Calculated			202,507	210,015	225,714	235,321							228,432	221,533	205,996	197,907	179,600	172,518	156,289		
General Service + Wholesale	Calculated			212,854	219,918	237,192	239,077							232,187	233,011	215,899	208,254	189,389	182,635	163,827		
General Service + Wholesale	Actual			212,741	221,394	234,037	239,758							239,758	234,037	221,394	212,741	199,395	181,029	162,568	158,495	157,228
	Ratio			100%	99%	101%	100%							97%	100%	98%	98%	95%	101%	101%		
Collections - Detail																						
Senior Citizens							4,333	4,328	4,333	4,333	4,333	4,333	4,333									
General Service (Residential)							149,026	149,679	149,910	149,940	150,097	150,419	150,756									
General Service (Commercial)							45,199	44,794	44,806	44,784	44,858	44,997	45,122									
General Service (Industrial)							2,947	2,952	2,954	2,954	2,960	2,969	2,978									
General Service (Public Utilities)							366	345	343	343	343	343	343									
PHA							5,944	5,782	5,772	5,768	5,768	5,768	5,768									
Charities & Schools							5,165	5,258	5,270	5,274	5,274	5,274	5,274									
Hospital/University							6,252	6,635	6,689	6,698	6,698	6,698	6,698									
Hand Bill							15,818	15,688	15,693	15,689	15,689	15,689	15,689									
City Leased Properties							271	266	265	265	265	265	265									
Scheduled							1	1	1	1	1	1	1									
City							8,046	7,566	7,566	7,566	7,566	7,566	7,566									
Fire Service							353	339	339	339	339	339	339									
Private Fire (Unmetered)							2,374	3,184	3,184	3,184	3,184	3,184	3,184									
Public Fire Charge (Hydrants)							8,162	8,162	8,162	8,162	8,162	8,162	8,162									
Misc City							-	-	-	-	-	-	-									
Total							254,257	254,977	255,287	255,300	255,535	256,006	256,477	-	-	-	-	-	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water - Wholesale													Customer - 9									Customer - 9
Bucks County																						
Commodity Charge ($/Mcf)		1.237	1.428	1.651	1.218	1.708	1.218	1.708	1.708	1.708	1.708	1.708	1.708	2.279	1.708	1.218	1.651	1.428	1.237	0.903	0.903	0.857
Demand Charge ($/mgd of maximum demand)		84,204	91,551	99,347	109,095	135,048	109,095	135,048	135,048	135,048	135,048	135,048	135,048	159,238	135,048	109,095	99,347	91,551	84,204	62,531	62,531	59,388
Lump Sum Payment ($/year)		3,930,563	3,003,000	3,036,000	2,784,100	3,226,000	-	-	-	-	-	-	-	-	3,226,000	2,784,100	3,036,000	3,003,000	3,930,563	2,266,000	2,266,000	2,243,000
Usage (Mcf)		749,759	761,203	646,968	535,749	535,000	-	-	-	-	-	-	-	-	535,000	535,749	646,968	761,203	749,759	705,187	732,500	709,198
Max Demand (mgd)		24.50	24.50	24.50	21.00	21.00	-	-	-	-	-	-	-	-	21.00	21.00	24.50	24.50	24.50	24.50	24.50	24.50
Management Fee		0.00%	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	0.00%	12.00%	12.00%	12.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commodity ($1,000)		927	1,087	1,068	653	914	-	-	-	-	-	-	-	-	914	653	1,068	1,087	927	637	661	608
Demand ($1,000)		2,063	2,243	2,434	2,291	2,836	-	-	-	-	-	-	-	-	2,836	2,291	2,434	2,243	2,063	1,532	1,532	1,455
Lump Sum ($1,000)		3,931	3,003	3,036	2,784	3,226	-	-	-	-	-	-	-	-	3,226	2,784	3,036	3,003	3,931	2,266	2,266	2,243
Management Fee ($1,000)		-	-	-	687	837	-	-	-	-	-	-	-	-	837	687	-	-	-	-	-	-
Subtotal ($1,000)		6,921	6,333	6,538	6,415	7,813	-	-	-	-	-	-	-	-	7,813	6,415	6,538	6,333	6,921	4,435	4,459	4,306
Aqua PA																						
Commodity Charge ($/Mcf)		2.506	2.828	3.217	2.448	2.698	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.969	2.698	2.448	3.217	2.828	2.506	2.282	1.309	
Lump Sum Payment ($/year)		2,465,000	2,636,000	2,816,000	2,775,000	2,933,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	3,030,000	2,933,000	2,775,000	2,816,000	2,636,000	2,465,000	2,328,000	2,051,000	
Usage (Mcf)		175,619	178,679	201,045	161,918	147,909	129,410	110,000	110,000	110,000	110,000	110,000	110,000	129,410	147,909	161,918	201,045	178,679	175,619	216,355	215,889	
Management Fee		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Commodity ($1,000)		440	505	647	396	399	384	327	327	327	327	327	327	384	399	396	647	505	440	494	283	-
Lump Sum ($1,000)		2,465	2,636	2,816	2,775	2,933	3,030	3,030	3,030	3,030	3,030	3,030	3,030	3,030	2,933	2,775	2,816	2,636	2,465	2,328	2,051	-
Management Fee ($1,000)		291	314	346	317	333	341	336	336	336	336	336	336	341	333	317	346	314	291	282	233	-
Subtotal ($1,000)		3,196	3,455	3,809	3,489	3,665	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,756	3,665	3,489	3,809	3,455	3,196	3,104	2,567	-
Total ($1,000)		10,117	9,788	10,347	9,904	11,478	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,756	11,478	9,904	10,347	9,788	10,117	7,539	7,026	4,306
Actual		10,181	9,928	11,001	9,912	11,537	3,750							3,750	11,537	9,912	11,001	9,928	10,181	7,518		

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Water - Revenue Summary													Customer - 10									Customer - 10
Revenue ($1,000)																						
General Service		170,641	188,957	201,720	211,482	222,500	235,321	235,727	236,036	236,049	236,284	236,755	237,226	236,008	222,500	211,482	201,720	188,957	170,641	154,846	154,108	149,915
City		7,411	7,711	8,254	7,843	9,369	8,046	7,566	7,566	7,566	7,566	7,566	7,566	8,046	9,369	7,843	8,254	7,711	7,411	6,503	6,744	10,039
Public Fire		5,992	6,562	6,951	7,391	7,874	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	7,874	7,391	6,951	6,562	5,992	5,714	7,014	7,007
Private Fire		1,593	1,846	2,097	2,026	2,236	2,727	3,523	3,523	3,523	3,523	3,523	3,523	2,374	2,236	2,026	2,097	1,846	1,593	1,370	1,604	1,953
Wholesale		10,117	9,788	10,347	9,904	11,478	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,750	11,537	9,912	11,001	9,928	10,181	7,518	7,026	4,306
Total		195,753	214,865	229,368	238,646	253,457	258,012	258,670	258,979	258,992	259,227	259,698	260,169	258,340	253,516	238,654	230,022	215,004	195,818	175,951	176,496	173,219

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Sewer - Accounts													Customer - 11
Senior Citizens													
5/8" Meter		18,532	18,785	19,144	19,217	19,501	20,171	20,171	20,171	20,171	20,171	20,171	20,171
> 5/8" Meter		2	2	3	4	4	3	3	3	3	3	3	3
Total Senior Citizens		18,534	18,787	19,147	19,221	19,505	20,174	20,174	20,174	20,174	20,174	20,174	20,174
General Service (Residential)													
5/8" Meter		434,174	436,580	423,794	409,711	409,286	402,733	402,733	402,733	402,733	402,733	402,733	402,733
> 5/8" Meter		9,415	9,387	2,873	2,874	3,466	3,934	3,934	3,934	3,934	3,934	3,934	3,934
Total General Service (Residential)		443,589	445,967	426,667	412,585	412,752	406,667	406,667	406,667	406,667	406,667	406,667	406,667
General Service (Commercial)													
5/8" Meter		-	-	27,564	27,308	27,894	27,787	27,787	27,787	27,787	27,787	27,787	27,787
> 5/8" Meter		-	-	5,544	5,488	5,858	6,008	6,008	6,008	6,008	6,008	6,008	6,008
Total General Service (Commercial)		-	-	33,108	32,796	33,752	33,795	33,795	33,795	33,795	33,795	33,795	33,795
General Service (Industrial)													
5/8" Meter		-	-	528	534	517	544	544	544	544	544	544	544
> 5/8" Meter		-	-	542	473	530	493	493	493	493	493	493	493
Total General Service (Industrial)		-	-	1,070	1,007	1,047	1,037	1,037	1,037	1,037	1,037	1,037	1,037
General Service (Public Utilities)													
5/8" Meter		-	-	34	34	37	44	44	44	44	44	44	44
> 5/8" Meter		-	-	62	71	79	80	80	80	80	80	80	80
Total General Service (Public Utilities)		-	-	96	105	116	124	124	124	124	124	124	124
General Service (Excluding Senior Citizens)													
5/8" Meter		434,174	436,580	451,920	437,587	437,734	431,108	431,108	431,108	431,108	431,108	431,108	431,108
> 5/8" Meter		9,415	9,387	9,021	8,906	9,933	10,515	10,515	10,515	10,515	10,515	10,515	10,515
Total General Service (excluding SC)		443,589	445,967	460,941	446,493	447,667	441,623	441,623	441,623	441,623	441,623	441,623	441,623
General Service (Including Senior Citizens)													
5/8" Meter		452,706	455,365	471,064	456,804	457,235	451,279	451,279	451,279	451,279	451,279	451,279	451,279
> 5/8" Meter		9,417	9,389	9,024	8,910	9,937	10,518	10,518	10,518	10,518	10,518	10,518	10,518
Total General Service (including SC)		462,123	464,754	480,088	465,714	467,172	461,797	461,797	461,797	461,797	461,797	461,797	461,797

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Accounts									Customer - 11
Senior Citizens									
5/8" Meter	20,171	19,501	19,217	19,144	18,785	18,532	18,302	17,844	18,619
> 5/8" Meter	3	4	4	3	2	2	2	2	3
Total Senior Citizens	20,174	19,505	19,221	19,147	18,787	18,534	18,304	17,846	18,622
General Service (Residential)									
5/8" Meter	402,733	409,286	409,711	423,794	436,580	434,174	431,450	429,704	429,421
> 5/8" Meter	3,934	3,466	2,874	2,873	9,387	9,415	9,375	9,808	9,941
Total General Service (Residential)	406,667	412,752	412,585	426,667	445,967	443,589	440,825	439,512	439,362
General Service (Commercial)									
5/8" Meter	27,787	27,894	27,308	27,564	-	-	-	-	-
> 5/8" Meter	6,008	5,858	5,488	5,544	-	-	-	-	-
Total General Service (Commercial)	33,795	33,752	32,796	33,108	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	544	517	534	528	-	-	-	-	-
> 5/8" Meter	493	530	473	542	-	-	-	-	-
Total General Service (Industrial)	1,037	1,047	1,007	1,070	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	44	37	34	34	-	-	-	-	-
> 5/8" Meter	80	79	71	62	-	-	-	-	-
Total General Service (Public Utilities)	124	116	105	96	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	431,108	437,734	437,587	451,920	436,580	434,174	431,450	429,704	429,421
> 5/8" Meter	10,515	9,933	8,906	9,021	9,387	9,415	9,375	9,808	9,941
Total General Service (excluding SC)	441,623	447,667	446,493	460,941	445,967	443,589	440,825	439,512	439,362
General Service (Including Senior Citizens)									
5/8" Meter	451,279	457,235	456,804	471,064	455,365	452,706	449,752	447,548	448,040
> 5/8" Meter	10,518	9,937	8,910	9,024	9,389	9,417	9,377	9,810	9,944
Total General Service (including SC)	461,797	467,172	465,714	480,088	464,754	462,123	459,129	457,358	457,984

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA		6,099	6,112	6,065	5,904	5,857	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,857	5,904	6,065	6,112	6,099	6,123	6,172	6,195
Charities & Schools		3,125	3,087	2,635	2,593	2,606	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,606	2,593	2,635	3,087	3,125	3,139	3,149	3,193
Hospital/University		-	-	351	365	375	431	431	431	431	431	431	431	431	375	365	351	-	-	-	-	-
Hand Bill		-	-	271	248	254	247	247	247	247	247	247	247	247	254	248	271	-	-	-	-	-
City Leased Properties		-	-	57	48	41	40	40	40	40	40	40	40	40	41	48	57	-	-	-	-	-
Scheduled		-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-
City		787	887	932	835	830	862	862	862	862	862	862	862	862	830	835	932	887	787	818	869	873
Fire Service		53	64	89	85	81	74	74	74	74	74	74	74	74	81	85	89	64	53	163	178	163
Sewer Only	Account - No Growth	26	26	36	46	59	66	66	66	66	66	66	66	66	59	46	36	26	26	60	61	69
Groundwater (Non-City)	Account - No Growth	-	-	-	-	-	4	4	4	4	4	4	4	4	-	-	-					
City Groundwater	Account - No Growth	-	-	4	5	5	5	5	5	5	5	5	5	-	5	5	4					
Total		472,213	474,930	490,530	475,845	477,282	471,789	471,789	471,789	471,789	471,789	471,789	471,789	471,784	477,282	475,845	490,530	474,930	472,213	469,432	467,787	468,477

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Sewer - Billed Volume (Mcf)													Customer - 12
Senior Citizens													
5/8" Meter		105,400	108,328	106,243	109,989	109,832	115,855	115,002	115,002	115,002	115,002	115,002	115,002
> 5/8" Meter		37	32	56	73	48	28	33	33	33	33	33	33
Total Senior Citizens		105,437	108,360	106,299	110,061	109,880	115,884	115,035	115,035	115,035	115,035	115,035	115,035
General Service (Residential)													
5/8" Meter		3,467,295	3,465,223	3,028,078	3,012,125	2,891,728	2,853,557	2,857,791	2,857,791	2,857,791	2,861,831	2,869,911	2,877,991
> 5/8" Meter		1,934,933	1,911,127	385,517	375,678	363,360	353,406	382,962	382,962	382,962	383,815	385,255	386,475
Total General Service (Residential)		5,402,228	5,376,351	3,413,595	3,387,803	3,255,088	3,206,963	3,240,753	3,240,753	3,240,753	3,245,647	3,255,166	3,264,466
General Service (Commercial)													
5/8" Meter		-	-	307,616	313,640	309,107	319,584	313,756	313,477	313,198	313,756	314,871	315,707
> 5/8" Meter		-	-	874,571	911,146	896,412	949,171	932,836	932,836	932,836	934,956	938,532	941,562
Total General Service (Commercial)		-	-	1,182,187	1,224,787	1,205,519	1,268,755	1,246,592	1,246,313	1,246,034	1,248,712	1,253,403	1,257,269
General Service (Industrial)													
5/8" Meter		-	-	5,794	5,733	5,710	6,182	6,109	6,104	6,098	6,109	6,131	6,148
> 5/8" Meter		-	-	84,172	77,354	78,617	78,490	79,307	79,307	79,307	79,495	79,813	80,083
Total General Service (Industrial)		-	-	89,966	83,087	84,327	84,671	85,416	85,411	85,405	85,605	85,945	86,230
General Service (Public Utilities)													
5/8" Meter		-	-	417	462	424	394	449	449	449	449	449	449
> 5/8" Meter		-	-	6,432	8,471	8,084	10,317	9,254	9,254	9,254	9,254	9,254	9,254
Total General Service (Public Utilities)		-	-	6,849	8,933	8,507	10,711	9,702	9,702	9,702	9,702	9,702	9,702
General Service (Excluding Senior Citizens)													
5/8" Meter		3,467,295	3,465,223	3,341,906	3,331,961	3,206,968	3,179,716	3,178,105	3,177,821	3,177,537	3,182,145	3,191,362	3,200,294
> 5/8" Meter		1,934,933	1,911,127	1,350,691	1,372,649	1,346,473	1,391,384	1,404,359	1,404,359	1,404,359	1,407,520	1,412,854	1,417,373
Total General Service (excluding SC)		5,402,228	5,376,351	4,692,597	4,704,610	4,553,441	4,571,100	4,582,464	4,582,179	4,581,895	4,589,665	4,604,216	4,617,667
General Service (Including Senior Citizens)													
5/8" Meter		3,572,695	3,573,551	3,448,148	3,441,950	3,316,800	3,295,572	3,293,107	3,292,823	3,292,538	3,297,147	3,306,363	3,315,296
> 5/8" Meter		1,934,970	1,911,159	1,350,747	1,372,722	1,346,521	1,391,412	1,404,392	1,404,392	1,404,392	1,407,553	1,412,887	1,417,406
Total General Service (including SC)		5,507,665	5,484,711	4,798,896	4,814,671	4,663,321	4,686,984	4,697,498	4,697,214	4,696,930	4,704,700	4,719,251	4,732,702

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Billed Volume (Mcf)									Customer - 12
Senior Citizens									
5/8" Meter	115,855	109,832	109,989	106,243	108,328	105,400	106,281	108,118	111,381
> 5/8" Meter	28	48	73	56	32	37	31	17	29
Total Senior Citizens	115,884	109,880	110,061	106,299	108,360	105,437	106,312	108,134	111,410
General Service (Residential)									
5/8" Meter	2,853,557	2,891,728	3,012,125	3,028,078	3,465,223	3,467,295	3,660,975	3,988,886	3,881,491
> 5/8" Meter	353,406	363,360	375,678	385,517	1,911,127	1,934,933	2,022,773	2,203,213	2,034,535
Total General Service (Residential)	3,206,963	3,255,088	3,387,803	3,413,595	5,376,351	5,402,228	5,683,748	6,192,099	5,916,026
General Service (Commercial)									
5/8" Meter	319,584	309,107	313,640	307,616	-	-	-	-	-
> 5/8" Meter	949,171	896,412	911,146	874,571	-	-	-	-	-
Total General Service (Commercial)	1,268,755	1,205,519	1,224,787	1,182,187	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	6,182	5,710	5,733	5,794	-	-	-	-	-
> 5/8" Meter	78,490	78,617	77,354	84,172	-	-	-	-	-
Total General Service (Industrial)	84,671	84,327	83,087	89,966	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	394	424	462	417	-	-	-	-	-
> 5/8" Meter	10,317	8,084	8,471	6,432	-	-	-	-	-
Total General Service (Public Utilities)	10,711	8,507	8,933	6,849	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	3,179,716	3,206,968	3,331,961	3,341,906	3,465,223	3,467,295	3,660,975	3,988,886	3,881,491
> 5/8" Meter	1,391,384	1,346,473	1,372,649	1,350,691	1,911,127	1,934,933	2,022,773	2,203,213	2,034,535
Total General Service (excluding SC)	4,571,100	4,553,441	4,704,610	4,692,597	5,376,351	5,402,228	5,683,748	6,192,099	5,916,026
General Service (Including Senior Citizens)									
5/8" Meter	3,295,572	3,316,800	3,441,950	3,448,148	3,573,551	3,572,695	3,767,256	4,097,004	3,992,872
> 5/8" Meter	1,391,412	1,346,521	1,372,722	1,350,747	1,911,159	1,934,970	2,022,804	2,203,229	2,034,564
Total General Service (including SC)	4,686,984	4,663,321	4,814,671	4,798,896	5,484,711	5,507,665	5,790,060	6,300,233	6,027,436

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA		189,555	186,964	176,852	166,958	165,961	178,299	170,956	170,956	170,956	170,956	170,956	170,956	178,299	165,961	166,958	176,852	186,964	189,555	202,060	210,602	204,518
Charities & Schools		485,677	509,902	215,165	215,339	211,193	190,792	198,431	198,431	198,431	198,431	198,431	198,431	190,792	211,193	215,339	215,165	509,902	485,677	552,830	550,720	500,254
Hospital/University		-	-	270,845	261,881	262,322	272,720	291,116	291,116	291,116	291,116	291,116	291,116	272,720	262,322	261,881	270,845	-	-	-	-	-
Hand Bill		-	-	543,021	527,519	524,773	497,828	490,878	490,878	490,878	490,878	490,878	490,878	497,828	524,773	527,519	543,021	-	-	-	-	-
City Leased Properties		-	-	5,793	4,382	4,443	4,689	4,315	4,315	4,315	4,315	4,315	4,315	4,689	4,443	4,382	5,793	-	-	-	-	-
Scheduled		-	-	12	16	22	21	21	21	21	21	21	21	21	22	16	12	-	-	-	-	-
City		322,982	351,754	253,093	231,344	218,014	247,108	232,000	232,000	232,000	232,000	232,000	232,000	240,988	218,014	231,344	253,093	351,754	322,982	294,214	496,622	574,801
Fire Service		11,852	6,471	10,801	9,863	2,991	2,627	2,800	2,800	2,800	2,800	2,800	2,800	3,654	2,991	9,863	10,801	6,471	11,852	2,750	1,834	2,005
Sewer Only		86,957	62,142	32,453	57,061	76,652	42,663	42,663	42,663	42,663	42,663	42,663	42,663	70,303	76,652	57,061	32,453	62,142	86,957	150	207,231	147,787
Groundwater (Non-City)		-	-	-	-	-	248,776	190,000	190,000	190,000	190,000	190,000	190,000	276,587	-	-	-					
City Groundwater		115,000	120,000	159,607	161,399	157,872	-	-	-	-	-	-	-	-	157,872	161,399	159,607	120,000	115,000	120,000	128,601	234,658
Total		6,719,688	6,721,944	6,466,536	6,450,432	6,287,563	6,372,505	6,320,679	6,320,395	6,320,110	6,327,880	6,342,431	6,355,882	6,422,864	6,287,563	6,450,432	6,466,536	6,721,944	6,719,688	6,962,064	7,895,844	7,691,458

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Billed Volume Per Account (Mcf/Account)													Customer - 13									Customer - 13
Senior Citizens																						
5/8" Meter		5.69	5.77	5.55	5.72	5.63	5.74	5.70	5.70	5.70	5.70	5.70	5.70	5.74	5.63	5.72	5.55	5.77	5.69	5.81	6.06	5.98
> 5/8" Meter		18.60	16.00	18.73	18.13	12.00	9.40	11.07	11.07	11.07	11.07	11.07	11.07	9.40	12.00	18.13	18.73	16.00	18.60	15.50	8.30	9.77
Total Senior Citizens		5.69	5.77	5.55	5.73	5.63	5.74	5.70	5.70	5.70	5.70	5.70	5.70	5.74	5.63	5.73	5.55	5.77	5.69	5.81	6.06	5.98
General Service (Residential)																						
5/8" Meter		7.99	7.94	7.15	7.35	7.07	7.09	7.10	7.10	7.10	7.11	7.13	7.15	7.09	7.07	7.35	7.15	7.94	7.99	8.49	9.28	9.04
> 5/8" Meter		205.52	203.59	134.19	130.72	104.84	89.83	97.35	97.35	97.35	97.56	97.93	98.24	89.83	104.84	130.72	134.19	203.59	205.52	215.75	224.63	204.66
Total General Service (Residential)		12.18	12.06	8.00	8.21	7.89	7.89	7.97	7.97	7.97	7.98	8.00	8.03	7.89	7.89	8.21	8.00	12.06	12.18	12.89	14.09	13.47
General Service (Commercial)																						
5/8" Meter		-	-	11.16	11.49	11.08	11.50	11.29	11.28	11.27	11.29	11.33	11.36	11.50	11.08	11.49	11.16	-	-	-	-	-
> 5/8" Meter		-	-	157.75	166.03	153.02	157.98	155.27	155.27	155.27	155.62	156.21	156.72	157.98	153.02	166.03	157.75	-	-	-	-	-
Total General Service (Commercial)		-	-	35.71	37.35	35.72	37.54	36.89	36.88	36.87	36.95	37.09	37.20	37.54	35.72	37.35	35.71	-	-	-	-	-
General Service (Industrial)																						
5/8" Meter		-	-	10.97	10.74	11.04	11.36	11.23	11.22	11.21	11.23	11.27	11.30	11.36	11.04	10.74	10.97	-	-	-	-	-
> 5/8" Meter		-	-	155.30	163.54	148.33	159.21	160.87	160.87	160.87	161.25	161.89	162.44	159.21	148.33	163.54	155.30	-	-	-	-	-
Total General Service (Industrial)		-	-	84.08	82.51	80.54	81.65	82.37	82.36	82.36	82.55	82.88	83.15	81.65	80.54	82.51	84.08	-	-	-	-	-
General Service (Public Utilities)																						
5/8" Meter		-	-	12.26	13.60	11.45	8.96	10.20	10.20	10.20	10.20	10.20	10.20	8.96	11.45	13.60	12.26	-	-	-	-	-
> 5/8" Meter		-	-	103.74	119.31	102.33	128.96	115.67	115.67	115.67	115.67	115.67	115.67	128.96	102.33	119.31	103.74	-	-	-	-	-
Total General Service (Public Utilities)		-	-	71.34	85.08	73.34	86.38	78.24	78.24	78.24	78.24	78.24	78.24	86.38	73.34	85.08	71.34	-	-	-	-	-
General Service (Excluding Senior Citizens)																						
5/8" Meter		7.99	7.94	7.39	7.61	7.33	7.38	7.37	7.37	7.37	7.38	7.40	7.42	7.38	7.33	7.61	7.39	7.94	7.99	8.49	9.28	9.04
> 5/8" Meter		205.52	203.59	149.73	154.13	135.56	132.32	133.56	133.56	133.56	133.86	134.37	134.80	132.32	135.56	154.13	149.73	203.59	205.52	215.75	224.63	204.66
Total General Service (excluding SC)		12.18	12.06	10.18	10.54	10.17	10.35	10.38	10.38	10.38	10.39	10.43	10.46	10.35	10.17	10.54	10.18	12.06	12.18	12.89	14.09	13.47
General Service (Including Senior Citizens)																						
5/8" Meter		7.89	7.85	7.32	7.53	7.25	7.30	7.30	7.30	7.30	7.31	7.33	7.35	7.30	7.25	7.53	7.32	7.85	7.89	8.38	9.15	8.91
> 5/8" Meter		205.48	203.55	149.68	154.07	135.51	132.29	133.52	133.52	133.52	133.82	134.33	134.76	132.29	135.51	154.07	149.68	203.55	205.48	215.71	224.59	204.60
Total General Service (including SC)																						

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA		31.08	30.59	29.16	28.28	28.34	30.95	29.67	29.67	29.67	29.67	29.67	29.67	30.95	28.34	28.28	29.16	30.59	31.08	33.00	34.12	33.01
Charities & Schools		155.44	165.18	81.66	83.05	81.04	76.32	79.37	79.37	79.37	79.37	79.37	79.37	76.32	81.04	83.05	81.66	165.18	155.44	176.12	174.89	156.67
Hospital/University		-	-	771.64	717.48	699.52	632.76	675.44	675.44	675.44	675.44	675.44	675.44	632.76	699.52	717.48	771.64	-	-	-	-	-
Hand Bill		-	-	2,003.77	2,127.09	2,066.03	2,015.50	1,987.36	1,987.36	1,987.36	1,987.36	1,987.36	1,987.36	2,015.50	2,066.03	2,127.09	2,003.77	-	-	-	-	-
City Leased Properties		-	-	101.62	91.28	108.36	117.23	107.88	107.88	107.88	107.88	107.88	107.88	117.23	108.36	91.28	101.62	-	-	-	-	-
Scheduled		-	-	5.75	7.80	11.00	10.35	10.70	10.70	10.70	10.70	10.70	10.70	10.35	11.00	7.80	5.75	-	-	-	-	-
City		410.27	396.57	271.56	277.06	262.67	286.67	269.14	269.14	269.14	269.14	269.14	269.14	279.57	262.67	277.06	271.56	396.57	410.27	359.82	571.49	658.48
Fire Service		223.63	101.11	121.36	116.03	36.93	35.49	37.84	37.84	37.84	37.84	37.84	37.84	49.37	36.93	116.03	121.36	101.11	223.63	16.87	10.30	12.30
Sewer Only		3,344.49	2,390.08	901.47	1,240.45	1,299.18	646.40	646.40	646.40	646.40	646.40	646.40	646.40	1,065.20	1,299.18	1,240.45	901.47	2,390.08	3,344.49	2.50	3,397.23	2,141.85
Groundwater (Non-City)		-	-	-	-	-	62,194.03	47,500.00	47,500.00	47,500.00	47,500.00	47,500.00	47,500.00	69,146.70	-	-	-	-	-	-	-	-
City Groundwater		-	-	39,901.83	32,279.72	31,574.38	-	-	-	-	-	-	-	-	31,574.38	32,279.72	39,901.83	-	-	-	-	-
Total		14.23	14.15	13.18	13.56	13.17	13.51	13.40	13.40	13.40	13.41	13.44	13.47	13.61	13.17	13.56	13.18	14.15	14.23	14.83	16.88	16.42

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Existing Rates													Customer - 14									Customer - 14
Actual Rate																						
Service Charge ($/bill)																						
5/8"		17.32	4.21	4.41	6.30	6.36	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.55	6.36	6.30	4.41	4.21	17.32	16.74	16.59	16.03
3/4"		84.55	14.90	15.21	7.72	7.81	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	7.81	7.72	15.21	14.90	84.55	78.54	86.24	82.09
1"		137.87	23.10	23.55	10.89	11.05	11.39	11.39	11.39	11.39	11.39	11.39	11.39	11.39	11.05	10.89	23.55	23.10	137.87	127.86	140.01	133.22
1 1/4"		207.02	33.68	34.30	14.92	15.16	15.64	15.64	15.64	15.64	15.64	15.64	15.64	15.64	15.16	14.92	34.30	33.68	207.02	191.79	209.69	199.48
1 1/2"		270.36	43.15	43.92	18.32	18.63	19.24	19.24	19.24	19.24	19.24	19.24	19.24	19.24	18.63	18.32	43.92	43.15	270.36	250.31	273.41	260.07
2"		430.32	67.77	68.92	27.86	28.35	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	28.35	27.86	68.92	67.77	430.32	398.23	434.70	413.44
3"		802.47	124.58	126.64	49.41	50.34	52.07	52.07	52.07	52.07	52.07	52.07	52.07	52.07	50.34	49.41	126.64	124.58	802.47	742.29	809.69	770.03
4"		1,341.03	209.66	213.19	84.67	86.21	89.15	89.15	89.15	89.15	89.15	89.15	89.15	89.15	86.21	84.67	213.19	209.66	1,341.03	1,240.76	1,353.88	1,287.62
6"		2,676.67	416.26	423.20	165.86	168.95	174.77	174.77	174.77	174.77	174.77	174.77	174.77	174.77	168.95	165.86	423.20	416.26	2,676.67	2,476.13	2,701.17	2,568.89
8"		4,276.22	662.36	673.29	261.21	266.14	275.38	275.38	275.38	275.38	275.38	275.38	275.38	275.38	266.14	261.21	673.29	662.36	4,276.22	3,955.34	4,313.96	4,102.58
10"		6,150.42	954.05	969.86	377.67	384.75	398.07	398.07	398.07	398.07	398.07	398.07	398.07	398.07	384.75	377.67	969.86	954.05	6,150.42	5,689.17	6,205.43	5,901.45
12"		11,455.30	1,759.12	1,787.53	678.16	691.38	715.77	715.77	715.77	715.77	715.77	715.77	715.77	715.77	691.38	678.16	1,787.53	1,759.12	11,455.30	10,592.89	11,548.42	10,981.96
14"		-	-	-	-	-	-	-	-	-	-	-	-									
Volume Charge ($/Mcf)																						
0 - 2 Mcf		20.51	21.30	22.14	24.74	26.19	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	26.19	24.74	22.14	21.30	20.51	19.73	17.72	17.02
2 - 100 Mcf		20.51	21.30	22.14	24.74	26.19	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	26.19	24.74	22.14	21.30	20.51	19.73	17.72	17.02
100 - 2,000 Mcf		20.51	21.30	22.14	24.74	26.19	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	26.19	24.74	22.14	21.30	20.51	19.73	17.72	17.02
Over 2,000 Mcf		20.51	21.30	22.14	24.74	26.19	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	26.19	24.74	22.14	21.30	20.51	19.73	17.72	17.02
Groundwater Volume Charge ($/Mcf)		8.59	8.79	8.98	9.66	10.13	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.13	9.66	8.98	8.79	8.59	8.30	7.40	7.35
Effective Rate																						
Effective Months																						
Service Charge		12.00	12.00	12.00	6.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	12.00	12.00	12.00	8.00	12.00	12.00
Volume Charge		11.50	11.50	11.50	5.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	5.50	11.50	11.50	11.50	7.50	11.50	11.50
Service Charge ($/bill)																						
5/8"		17.32	4.21	4.41	5.36	6.36	6.55	6.55	6.55	6.55	6.55	6.55	6.55									
3/4"		84.55	14.90	15.21	11.47	7.81	8.04	8.04	8.04	8.04	8.04	8.04	8.04									
1"		137.87	23.10	23.55	17.22	11.05	11.39	11.39	11.39	11.39	11.39	11.39	11.39									
1 1/4"		207.02	33.68	34.30	24.61	15.16	15.64	15.64	15.64	15.64	15.64	15.64	15.64									
1 1/2"		270.36	43.15	43.92	31.12	18.63	19.24	19.24	19.24	19.24	19.24	19.24	19.24									
2"		430.32	67.77	68.92	48.39	28.35	29.31	29.31	29.31	29.31	29.31	29.31	29.31									
3"		802.47	124.58	126.64	88.03	50.34	52.07	52.07	52.07	52.07	52.07	52.07	52.07									
4"		1,341.03	209.66	213.19	148.93	86.21	89.15	89.15	89.15	89.15	89.15	89.15	89.15									
6"		2,676.67	416.26	423.20	294.53	168.95	174.77	174.77	174.77	174.77	174.77	174.77	174.77									
8"		4,276.22	662.36	673.29	467.25	266.14	275.38	275.38	275.38	275.38	275.38	275.38	275.38									
10"		6,150.42	954.05	969.86	673.77	384.75	398.07	398.07	398.07	398.07	398.07	398.07	398.07									
12"		11,455.30	1,759.12	1,787.53	1,232.85	691.38	715.77	715.77	715.77	715.77	715.77	715.77	715.77									
14"		-	-	-	-	-	-	-	-	-	-	-	-									

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Volume Charge ($/Mcf)																						
0 - 2 Mcf		20.51	21.27	22.11	23.33	26.13	27.99	28.07	28.07	28.07	28.07	28.07	28.07									
2 - 100 Mcf		20.51	21.27	22.11	23.33	26.13	27.99	28.07	28.07	28.07	28.07	28.07	28.07									
100 - 2,000 Mcf		20.51	21.27	22.11	23.33	26.13	27.99	28.07	28.07	28.07	28.07	28.07	28.07									
Over 2,000 Mcf		20.51	21.27	22.11	23.33	26.13	27.99	28.07	28.07	28.07	28.07	28.07	28.07									
Groundwater Volume Charge ($/Mcf)		8.59	8.78	8.97	9.29	10.11	10.73	10.76	10.76	10.76	10.76	10.76	10.76									

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Sewer - Calculated Billings (prior to adjustment factor)													Customer - 15
Senior Citizens													
5/8" Meter		4,510	2,440	2,521	2,851	3,269	3,621	3,610	3,610	3,610	3,610	3,610	3,610
> 5/8" Meter		4	1	2	2	1	1	1	1	1	1	1	1
Total Senior Citizens		4,514	2,441	2,523	2,853	3,270	3,622	3,611	3,611	3,611	3,611	3,611	3,611
General Service (Residential)													
5/8" Meter		161,353	95,751	89,363	96,606	106,796	111,531	111,873	111,873	111,873	111,986	112,213	112,440
> 5/8" Meter		68,241	45,226	9,949	9,783	10,238	10,691	11,548	11,548	11,548	11,572	11,613	11,647
Total General Service (Residential)		229,594	140,977	99,312	106,388	117,035	122,221	123,421	123,421	123,421	123,559	123,826	124,087
General Service (Commercial)													
5/8" Meter		-	-	8,259	9,073	10,206	11,130	10,991	10,983	10,976	10,991	11,022	11,046
> 5/8" Meter		-	-	23,587	24,228	25,297	28,524	28,140	28,140	28,140	28,199	28,300	28,385
Total General Service (Commercial)		-	-	31,846	33,300	35,503	39,654	39,131	39,123	39,116	39,191	39,322	39,431
General Service (Industrial)													
5/8" Meter		-	-	156	168	189	216	214	214	214	214	215	215
> 5/8" Meter		-	-	2,226	2,030	2,204	2,344	2,373	2,373	2,373	2,379	2,388	2,395
Total General Service (Industrial)		-	-	2,382	2,198	2,393	2,560	2,588	2,587	2,587	2,593	2,602	2,610
General Service (Public Utilities)													
5/8" Meter		-	-	11	13	14	14	16	16	16	16	16	16
> 5/8" Meter		-	-	217	258	250	332	303	303	303	303	303	303
Total General Service (Public Utilities)		-	-	228	271	264	346	319	319	319	319	319	319
General Service (Excluding Senior Citizens)													
5/8" Meter		161,353	95,751	97,788	105,860	117,205	122,891	123,095	123,087	123,079	123,208	123,467	123,717
> 5/8" Meter		68,241	45,226	35,979	36,298	37,990	41,891	42,364	42,364	42,364	42,453	42,603	42,730
Total General Service (excluding SC)		229,594	140,977	133,768	142,157	155,195	164,782	165,459	165,451	165,443	165,661	166,069	166,447
General Service (Including Senior Citizens)													
5/8" Meter		165,863	98,191	100,310	108,710	120,473	126,512	126,705	126,697	126,689	126,818	127,077	127,327
> 5/8" Meter		68,244	45,227	35,981	36,300	37,992	41,892	42,365	42,365	42,365	42,454	42,604	42,731
Total General Service (including SC)		234,107	143,417	136,291	145,010	158,465	168,404	169,070	169,062	169,054	169,272	169,681	170,058

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Calculated Billings (prior to adjustment factor)									Customer - 15
Senior Citizens									
5/8" Meter	3,637	3,275	2,853	2,533					
> 5/8" Meter	1	1	2	2					
Total Senior Citizens	3,638	3,277	2,855	2,535					
General Service (Residential)									
5/8" Meter	111,298	106,504	95,812	88,485					
> 5/8" Meter	10,572	10,125	9,895	10,030					
Total General Service (Residential)	121,870	116,629	105,708	98,515					
General Service (Commercial)									
5/8" Meter	11,138	10,204	9,076	8,302					
> 5/8" Meter	26,868	23,793	23,251	22,607					
Total General Service (Commercial)	38,006	33,997	32,327	30,909					
General Service (Industrial)									
5/8" Meter	215	190	167	158					
> 5/8" Meter	1,788	1,695	1,650	1,829					
Total General Service (Industrial)	2,003	1,885	1,817	1,987					
General Service (Public Utilities)									
5/8" Meter	15	15	13	11					
> 5/8" Meter	502	234	246	223					
Total General Service (Public Utilities)	517	249	259	234					
General Service (Excluding Senior Citizens)									
5/8" Meter	122,666	116,913	105,069	96,956					
> 5/8" Meter	39,730	35,847	35,042	34,690					
Total General Service (excluding SC)	162,395	152,760	140,111	131,646					
General Service (Including Senior Citizens)									
5/8" Meter	126,303	120,188	107,922	99,489					
> 5/8" Meter	39,731	35,849	35,044	34,692					
Total General Service (including SC)	166,033	156,037	142,966	134,181					

Comparison of Calculated Billings to Actual Billings	2015	2014	2013	2012
5/8" Meter	99.57%	99.79%	99.92%	99.53%
> 5/8" Meter	109.11%	101.20%	99.84%	89.74%
Total Senior Citizens	99.57%	99.80%	99.92%	99.52%
5/8" Meter	100.21%	100.27%	100.83%	100.99%
> 5/8" Meter	101.13%	101.12%	98.86%	99.19%
Total General Service (Residential)	100.29%	100.35%	100.64%	100.81%
5/8" Meter	99.93%	100.02%	99.96%	99.48%
> 5/8" Meter	106.16%	106.32%	104.20%	104.33%
Total General Service (Commercial)	104.34%	104.43%	103.01%	103.03%
5/8" Meter	100.35%	99.10%	100.62%	98.81%
> 5/8" Meter	131.10%	130.07%	123.03%	121.67%
Total General Service (Industrial)	127.80%	126.94%	120.97%	119.86%
5/8" Meter	97.51%	90.94%	97.08%	98.06%
> 5/8" Meter	66.12%	107.04%	104.95%	97.46%
Total General Service (Public Utilities)	67.03%	106.05%	104.55%	97.48%
5/8" Meter	100.18%	100.25%	100.75%	100.86%
> 5/8" Meter	105.44%	105.98%	103.58%	103.72%
Total General Service (excluding SC)	101.47%	101.59%	101.46%	101.61%
5/8" Meter	100.17%	100.24%	100.73%	100.82%
> 5/8" Meter	105.44%	105.98%	103.58%	103.72%
Total General Service (including SC)	101.43%	101.56%	101.43%	101.57%

		Historical					Study Period							Historical Inputs											
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**				
PHA		6,462	4,313	4,263	4,224	4,633	5,262	5,079	5,079	5,079	5,079	5,079	5,079	5,267	4,639	4,221	4,268						99.90%	99.88%	100.07%	99.87%
Charities & Schools		17,651	9,731	4,955	4,750	4,750	4,611	4,783	4,783	4,783	4,783	4,783	4,783	4,637	4,746	4,785	4,976						99.45%	100.09%	99.28%	99.59%
Hospital/University		-	-	5,011	4,961	5,366	5,994	6,397	6,397	6,397	6,397	6,397	6,397	5,615	4,999	4,651	4,799						88.35%	107.35%	106.68%	104.43%
Hand Bill		-	-	12,576	12,674	13,929	14,153	13,997	13,997	13,997	13,997	13,997	13,997	9,031	8,311	7,487	7,852						156.72%	167.60%	169.28%	160.17%
City Leased Properties		-	-	179	133	132	147	137	137	137	137	137	137	146	134	123	141						100.47%	98.48%	107.72%	127.14%
Scheduled		-	-	0	0	1	1	1	1	1	1	1	1	1	1	1	0						98.09%	99.93%	92.23%	114.66%
City		12,732	8,560	6,748	6,124	6,122	7,374	6,969	6,969	6,969	6,969	6,969	6,969	5,787	6,100	6,117	6,594						127.42%	100.37%	100.13%	102.33%
Fire Service		243	138	239	230	78	74	79	79	79	79	79	79	114	94	279	301						64.39%	83.51%	82.50%	79.23%
Sewer Only		1,876	1,336	738	1,351	2,019	1,213	1,216	1,216	1,216	1,216	1,216	1,216	1,983	2,012	1,359	750						61.17%	100.35%	99.42%	98.40%
Groundwater (Non-City)		-	-	-	-	-	2,670	2,044	2,044	2,044	2,044	2,044	2,044	2,936	-	-	-						90.95%			
City Groundwater		988	1,054	1,432	1,500	1,596	-	-	-	-	-	-	-	-	1,598	1,501	1,433							99.89%	99.89%	99.95%
Total		274,059	168,549	172,433	180,957	197,091	209,902	209,772	209,764	209,756	209,975	210,383	210,761	201,551	188,669	173,488	165,295						104.14%	104.46%	104.31%	104.32%

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Sewer - Retail - Billings Under Existing Rates													Customer - 16
Senior Citizens													
5/8" Meter		4,510	2,440	2,521	2,851	3,269	3,621	3,610	3,610	3,610	3,610	3,610	3,610
> 5/8" Meter		4	1	2	2	1	1	1	1	1	1	1	1
Total Senior Citizens		4,514	2,441	2,523	2,853	3,270	3,622	3,611	3,611	3,611	3,611	3,611	3,611
General Service (Residential)													
5/8" Meter		161,353	95,751	89,363	96,606	106,796	111,531	111,873	111,873	111,873	111,986	112,213	112,440
> 5/8" Meter		68,241	45,226	9,949	9,783	10,238	10,691	11,548	11,548	11,548	11,572	11,613	11,647
Total General Service (Residential)		229,594	140,977	99,312	106,388	117,035	122,221	123,421	123,421	123,421	123,559	123,826	124,087
General Service (Commercial)													
5/8" Meter		-	-	8,259	9,073	10,206	11,130	10,991	10,983	10,976	10,991	11,022	11,046
> 5/8" Meter		-	-	23,587	24,228	25,297	28,524	28,140	28,140	28,140	28,199	28,300	28,385
Total General Service (Commercial)		-	-	31,846	33,300	35,503	39,654	39,131	39,123	39,116	39,191	39,322	39,431
General Service (Industrial)													
5/8" Meter		-	-	156	168	189	216	214	214	214	214	215	215
> 5/8" Meter		-	-	2,226	2,030	2,204	2,344	2,373	2,373	2,373	2,379	2,388	2,395
Total General Service (Industrial)		-	-	2,382	2,198	2,393	2,560	2,588	2,587	2,587	2,593	2,602	2,610
General Service (Public Utilities)													
5/8" Meter		-	-	11	13	14	14	16	16	16	16	16	16
> 5/8" Meter		-	-	217	258	250	332	303	303	303	303	303	303
Total General Service (Public Utilities)		-	-	228	271	264	346	319	319	319	319	319	319
General Service (Excluding Senior Citizens)													
5/8" Meter		161,353	95,751	97,788	105,860	117,205	122,891	123,095	123,087	123,079	123,208	123,467	123,717
> 5/8" Meter		68,241	45,226	35,979	36,298	37,990	41,891	42,364	42,364	42,364	42,453	42,603	42,730
Total General Service (excluding SC)		229,594	140,977	133,768	142,157	155,195	164,782	165,459	165,451	165,443	165,661	166,069	166,447
General Service (Including Senior Citizens)													
5/8" Meter		165,863	98,191	100,310	108,710	120,473	126,512	126,705	126,697	126,689	126,818	127,077	127,327
> 5/8" Meter		68,244	45,227	35,981	36,300	37,992	41,892	42,365	42,365	42,365	42,454	42,604	42,731
Total General Service (including SC)		234,107	143,417	136,291	145,010	158,465	168,404	169,070	169,062	169,054	169,272	169,681	170,058

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Retail - Billings Under Existing Rates									Customer - 16
					Included SW Charges				
Senior Citizens									
5/8" Meter	3,637	3,275	2,853	2,533	2,555	4,541	4,288	4,136	4,141
> 5/8" Meter	1	1	2	2	1	4	4	3	4
Total Senior Citizens	3,638	3,277	2,855	2,535	2,557	4,545	4,292	4,139	4,144
General Service (Residential)									
5/8" Meter	111,298	106,504	95,812	88,485	99,068	162,161	156,949	158,291	150,217
> 5/8" Meter	10,572	10,125	9,895	10,030	45,527	76,317	73,089	83,108	76,315
Total General Service (Residential)	121,870	116,629	105,708	98,515	144,595	238,477	230,038	241,399	226,532
General Service (Commercial)									
5/8" Meter	11,138	10,204	9,076	8,302					
> 5/8" Meter	26,868	23,793	23,251	22,607					
Total General Service (Commercial)	38,006	33,997	32,327	30,909	-	-	-	-	-
General Service (Industrial)									
5/8" Meter	215	190	167	158					
> 5/8" Meter	1,788	1,695	1,650	1,829					
Total General Service (Industrial)	2,003	1,885	1,817	1,987	-	-	-	-	-
General Service (Public Utilities)									
5/8" Meter	15	15	13	11					
> 5/8" Meter	502	234	246	223					
Total General Service (Public Utilities)	517	249	259	234	-	-	-	-	-
General Service (Excluding Senior Citizens)									
5/8" Meter	122,666	116,913	105,069	96,956	99,068	162,161	156,949	158,291	150,217
> 5/8" Meter	39,730	35,847	35,042	34,690	45,527	76,317	73,089	83,108	76,315
Total General Service (excluding SC)	162,395	152,760	140,111	131,646	144,595	238,477	230,038	241,399	226,532
General Service (Including Senior Citizens)									
5/8" Meter	126,303	120,188	107,922	99,489	101,624	166,702	161,236	162,427	154,358
> 5/8" Meter	39,731	35,849	35,044	34,692	45,528	76,321	73,093	83,111	76,319
Total General Service (including SC)	166,033	156,037	142,966	134,181	147,152	243,023	234,329	245,538	230,677

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
PHA		6,462	4,313	4,263	4,224	4,633	5,262	5,079	5,079	5,079	5,079	5,079	5,079	5,267	4,639	4,221	4,268	4,415	6,591	6,406	6,599	6,218
Charities & Schools		17,651	9,731	4,955	4,750	4,750	4,611	4,783	4,783	4,783	4,783	4,783	4,783	4,637	4,746	4,785	4,976	10,213	20,063	19,789	19,712	18,171
Hospital/University		-	-	5,011	4,961	5,366	5,994	6,397	6,397	6,397	6,397	6,397	6,397	5,615	4,999	4,651	4,799					
Hand Bill		-	-	12,576	12,674	13,929	14,153	13,997	13,997	13,997	13,997	13,997	13,997	9,031	8,311	7,487	7,852					
City Leased Properties		-	-	179	133	132	147	137	137	137	137	137	137	146	134	123	141	-	-	-	-	-
Scheduled		-	-	0	0	1	1	1	1	1	1	1	1	1	1	1	0	-	-	-	-	-
City		12,732	8,560	6,748	6,124	6,122	5,787	6,969	6,969	6,969	6,969	6,969	6,969	5,787	6,100	6,117	6,594	11,615	10,710	9,379	8,599	17,625
Fire Service		243	138	239	230	78	74	79	79	79	79	79	79	114	94	279	301	159	283	-	24	30
Sewer Only		1,876	1,336	738	1,351	2,019	1,213	1,216	1,216	1,216	1,216	1,216	1,216	1,983	2,012	1,359	750	1,370	2,485	1,585	3,072	2,432
Groundwater (non-City)		-	-	-	-	-	2,670	2,044	2,044	2,044	2,044	2,044	2,044	2,936	-	-	-					
City Groundwater		988	1,054	1,432	1,500	1,596	-	-	-	-	-	-	-	-	1,598	1,501	1,433					
Total		274,059	168,549	172,433	180,957	197,091	208,315	209,772	209,764	209,756	209,974	210,383	210,760	201,551	188,669	173,488	165,295	174,924	283,155	271,488	283,544	275,153
Total Excluding City & Fire		260,097	158,797	164,014	173,103	189,294	202,455	202,724	202,716	202,708	202,926	203,335	203,712	195,649	180,877	165,591	156,967	163,150	272,161	262,109	274,921	257,498

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Retail - Collections													Customer - 17									Customer - 17
Total General Service Billings Excluding City & Fire		260,097	158,797	164,014	173,103	189,294	202,455	202,724	202,716	202,708	202,926	203,335	203,712	195,649	180,877	165,591	156,967	163,150	272,161	262,109	274,921	257,498
Collection Factors																						
Current Year		85.20%	80.60%	83.40%	83.30%	84.80%	84.80%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	84.80%	84.80%	83.30%	83.40%	80.60%	85.20%	83.50%	0.00%	0.00%
First Year Prior		9.28%	9.28%	8.93%	10.05%	10.20%	10.25%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	9.70%	10.20%	10.05%	8.93%	9.28%	9.28%	9.00%	0.00%	0.00%
Second Year Prior		2.00%	2.00%	2.00%	2.00%	2.35%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.35%	2.00%	2.00%	2.00%	2.00%	2.50%	0.00%	0.00%
Collections		Actual	Actual	Actual	Actual	Actual	Calculated															
General Service		271,259	182,584	170,514	179,320	195,038	194,546	194,928	195,211	195,209	195,392	195,758	196,122	208,551	195,038	179,320	170,514	182,584	271,259	255,231		
City		15,811	11,615	14,563	7,624	7,718	5,787	6,969	6,969	6,969	6,969	6,969	6,969	16,933	16,378	18,140	14,563	11,615	15,811	13,719		
Fire Protection		283	159	267	214	100	74	79	79	79	79	79	79		100	214	267	159	283	-	24	30
Total		287,353	194,358	185,345	187,158	202,857	200,407	201,976	202,259	202,257	202,440	202,806	203,169	225,485	211,517	197,674	185,345	194,358	287,353	268,950	24	30
General Service Calculated		261,704	161,998	150,923	163,854	182,033	194,546	194,928	195,211	195,209	195,392	174,942	196,122	186,768	173,963	156,976	150,923	161,998	261,704	250,042		
Actual		271,259	182,584	170,514	179,320	195,038	208,551							208,551	195,038	179,320	170,514	182,584	271,259	255,231		
Ratio		96.5%	88.7%	88.5%	91.4%	93.3%	93.3%							89.6%	89.2%	87.5%	88.5%	88.7%	96.5%	98.0%		
Collections - Detail																						
Senior Citizens							3,464	3,472	3,478	3,478	3,478	3,478	3,478									
General Service (Residential)							117,768	118,607	118,831	118,855	118,970	119,209	119,459									
General Service (Commercial)							37,932	37,663	37,687	37,669	37,732	37,850	37,956									
General Service (Industrial)							2,460	2,485	2,491	2,492	2,496	2,505	2,513									
General Service (Public Utilities)							326	309	308	307	307	307	307									
PHA							5,021	4,901	4,895	4,891	4,891	4,891	4,891									
Charities & Schools							4,492	4,589	4,603	4,606	4,606	4,606	4,606									
Hospital/University							5,732	6,099	6,152	6,160	6,160	6,160	6,160									
Hand Bill							13,683	13,493	13,482	13,479	13,479	13,479	13,479									
City Leased Properties							141	133	132	132	132	132	132									
Scheduled							1	1	1	1	1	1	1									
City							5,787	6,969	6,969	6,969	6,969	6,969	6,969									
Fire Service							74	79	79	79	79	79	79									
Sewer Only							1,263	1,187	1,171	1,171	1,171	1,171	1,171									
Groundwater (non-City)							2,264	1,990	1,981	1,969	1,969	1,969	1,969									
City Groundwater							-	-	-	-	-	-	-									
Total		-	-	-	-	-	200,407	201,976	202,259	202,257	202,440	202,806	203,169	-	-	-	-	-	-	-	-	-

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Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Surcharge													Customer - 18									Customer - 18
Surcharge Accounts		194	236	246	217	204	198	198	198	198	198	198	198	198	204	217	246	236	194	187		
Account Growth		7	42	10	(29)	(13)	-	-	-	-	-	-	-	(6)	(13)	(29)	10	42	7			
Billed lbs																						
BOD		12,551,284	12,938,213	13,037,238	14,992,079	14,102,589	12,688,000	12,688,000	12,688,000	12,688,000	12,688,000	12,688,000	12,688,000	15,302,981	14,102,589	14,992,079	13,037,238	12,938,213	12,551,284	15,861,407		
SS		2,976,914	3,123,529	2,834,636	3,691,430	2,030,223	2,577,250	2,577,250	2,577,250	2,577,250	2,577,250	2,577,250	2,577,250	1,829,290	2,030,223	3,691,430	2,834,636	3,123,529	2,976,914	4,499,278		
lbs per Account																						
BOD		64,697	54,823	52,997	69,088	69,130	64,000	64,000	64,000	64,000	64,000	64,000	64,000	77,190	69,130	69,088	52,997	54,823	64,697	84,820		
SS		15,345	13,235	11,523	17,011	9,952	13,000	13,000	13,000	13,000	13,000	13,000	13,000	9,227	9,952	17,011	11,523	13,235	15,345	24,060		
Rate ($/lb)																						
BOD		0.300	0.313	0.322	0.310	0.327	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.327	0.310	0.322	0.313	0.300	0.283		
SS		0.305	0.315	0.310	0.292	0.310	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.310	0.292	0.310	0.315	0.305	0.284		
Surcharge Revenue																						
BOD		3,761	4,055	4,197	4,648	4,612	4,441	4,441	4,441	4,441	4,441	4,441	4,441	5,356	4,612	4,648	4,197	4,055	3,761	4,491	-	-
SS		908	983	880	1,078	629	856	856	856	856	856	856	856	607	629	1,078	880	983	908	1,277	-	-
Total		4,669	5,038	5,077	5,726	5,241	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,963	5,241	5,726	5,077	5,038	4,669	5,768	-	-
Actual - Input		4,576	5,481	5,110	5,656	4,252	3,407	4,000	4,000	4,000	4,000	4,000	4,000	3,407	4,252	5,656	5,110	5,481	4,576	4,484		

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer - Wholesale													Customer - 19									Customer - 19
Abington																						
Rates																						
Volume ($/Mcf)		1.4843	1.5893	1.7154	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.4676	1.3415	1.7154	1.5893	1.4843	1.4517	1.0735	
Capacity ($/cfs)		7,348	7,638	8,007	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,378	8,712	8,007	7,638	7,348	7,421	4,574	
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	184.9134	154.1567	
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	185.9625	151.4972	
Annual Lump Sum ($)		498,000	498,000	498,000	503,000	503,000	503,000	527,000	527,000	527,000	527,000	527,000	527,000	503,000	503,000	503,000	498,000	498,000	498,000	498,000	417,000	
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		117,245	98,059	114,622	97,815	102,068	100,091	100,000	100,000	100,000	100,000	100,000	100,000	100,091	102,068	97,815	114,622	98,059	117,245	91,297	107,000	
Capacity (cfs)		9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	9.247	
SS (1,000 lbs.)		1,341	1,122	1,311	1,119	1,167	1,068	1,100	1,100	1,100	1,100	1,100	1,100	1,068	1,167	1,119	1,311	1,122	1,341	1,044	1,222	
BOD (1,000 lbs.)		1,134	951	1,109	949	989	1,295	1,100	1,100	1,100	1,100	1,100	1,100	1,295	989	949	1,109	951	1,134	887	1,035	
Billings																						
Volume		174,026	155,845	196,623	131,219	149,794	153,989	153,850	153,850	153,850	153,850	153,850	153,850	153,989	149,794	131,219	196,623	155,845	174,026	132,535	114,865	-
Capacity		67,947	70,629	74,041	80,560	86,718	88,688	88,688	88,688	88,688	88,688	88,688	88,688	88,688	86,718	80,560	74,041	70,629	67,947	68,622	42,296	-
SS		248,702	217,748	267,560	179,774	206,535	198,964	204,964	204,964	204,964	204,964	204,964	204,964	198,964	206,535	179,774	267,560	217,748	248,702	193,108	188,379	-
BOD		213,666	191,323	241,752	167,735	190,519	260,357	221,216	221,216	221,216	221,216	221,216	221,216	260,357	190,519	167,735	241,752	191,323	213,666	164,868	156,800	-
Lump Sum		498,000	498,000	498,000	503,000	503,000	503,000	527,000	527,000	527,000	527,000	527,000	527,000	503,000	503,000	503,000	498,000	498,000	498,000	498,000	417,000	-
Management Fee		120,234	113,354	127,798	106,229	113,657	120,500	119,572	119,572	119,572	119,572	119,572	119,572	120,500	113,657	106,229	127,798	113,354	120,234	105,713	91,934	-
Total		1,322,575	1,246,899	1,405,774	1,168,516	1,250,224	1,325,499	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,325,499	1,250,224	1,168,516	1,405,774	1,246,899	1,322,575	1,162,847	1,011,273	-
														1,505,854	1,079,428	1,175,552	1,433,486	1,220,131	1,339,683	1,198,157		
Bensalem																						
Rates																						
Volume ($/Mcf)		1.4843	1.5893	1.7154	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.4676	1.3415	1.7154	1.5893	1.4843	1.0735	1.0735	
Capacity ($/cfs)		7,348	7,638	8,007	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,378	8,712	8,007	7,638	7,348	4,574	4,574	
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	154.1567	154.1567	
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	151.4972	151.4972	
Annual Lump Sum ($)		321,655	85,000	85,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	85,000	85,000	321,655	78,000	78,000	
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		196,088	159,115	178,606	170,990	180,864	171,935	175,000	175,000	175,000	175,000	175,000	175,000	171,935	180,864	170,990	178,606	159,115	196,088	172,247	160,000	
Capacity (cfs)		11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	11.740	
SS (1,000 lbs.)		2,237	2,056	2,212	2,316	2,204	2,189	2,240	2,240	2,240	2,240	2,240	2,240	2,189	2,204	2,316	2,212	2,056	2,237	2,459	2,226	
BOD (1,000 lbs.)		2,287	2,248	2,263	2,218	2,525	2,697	2,480	2,480	2,480	2,480	2,480	2,480	2,697	2,525	2,218	2,263	2,248	2,287	2,284	2,376	

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007	
Billings																							
Volume		291,053	252,881	306,380	229,383	265,436	264,521	269,238	269,238	269,238	269,238	269,238	269,238	264,521	265,436	229,383	306,380	252,881	291,053	184,907	171,760	-	
Capacity		86,266	89,670	94,002	102,279	110,098	112,598	112,598	112,598	112,598	112,598	112,598	112,598	112,598	110,098	102,279	94,002	89,670	86,266	53,699	53,699	-	
SS		415,103	399,239	451,543	372,098	389,985	407,878	417,381	417,381	417,381	417,381	417,381	417,381	407,878	389,985	372,098	451,543	399,239	415,103	379,038	343,153	-	
BOD		430,746	452,189	493,171	392,054	486,157	542,362	498,742	498,742	498,742	498,742	498,742	498,742	542,362	486,157	392,054	493,171	452,189	430,746	345,944	359,957	-	
Lump Sum		321,655	85,000	85,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	85,000	85,000	321,655	78,000	78,000	-	
Management Fee		154,482	127,898	143,010	118,881	134,468	142,036	139,096	139,096	139,096	139,096	139,096	139,096	142,036	134,468	118,881	143,010	127,898	154,482	104,159	100,657	-	
Total		1,699,304	1,406,877	1,573,106	1,307,695	1,479,143	1,562,395	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,562,395	1,479,143	1,307,695	1,573,106	1,406,877	1,699,304	1,145,747	1,107,226	-	
														1,599,973	1,560,644	1,722,599	1,797,944	1,447,024	1,554,095	1,521,251			Includes Capital Contributions
Bucks County																							
Rates																							
Volume ($/Mcf)		1.4843	1.5893	1.7154	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.4676	1.3415	1.7154	1.5893	1.4843	1.0735	1.0735		
Capacity ($/cfs)		7,348	7,638	8,007	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,378	8,712	8,007	7,638	7,348	4,574	4,574		
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	154.1567	154.1567		
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	151.4972	151.4972		
Annual Lump Sum ($)		1,138,146	66,000	66,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	66,000	66,000	1,138,146	49,000	49,000		
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%		
Billing Units																							
Volume (Mcf)		1,027,076	839,183	953,586	815,278	945,440	846,849	870,000	870,000	870,000	870,000	870,000	870,000	846,849	945,440	815,278	953,586	839,183	1,027,076	810,819	969,000		
Capacity (cfs)		85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080	85.080		
SS (1,000 lbs.)		9,974	8,080	7,255	7,640	9,887	11,614	9,700	9,700	9,700	9,700	9,700	9,700	11,614	9,887	7,640	7,255	8,080	9,974	10,065	11,728		
BOD (1,000 lbs.)		8,715	8,335	7,921	9,024	9,067	10,732	9,600	9,600	9,600	9,600	9,600	9,600	10,732	9,067	9,024	7,921	8,335	8,715	8,550	9,854		
Billings																							
Volume		1,524,489	1,333,714	1,635,781	1,093,696	1,387,528	1,302,877	1,338,495	1,338,495	1,338,495	1,338,495	1,338,495	1,338,495	1,302,877	1,387,528	1,093,696	1,635,781	1,333,714	1,524,489	870,415	1,040,222	-	
Capacity		625,168	649,841	681,236	741,217	797,880	816,002	816,002	816,002	816,002	816,002	816,002	816,002	816,002	797,880	741,217	681,236	649,841	625,168	389,156	389,156	-	
SS		1,850,432	1,568,859	1,481,030	1,227,774	1,749,438	2,164,110	1,807,408	1,807,408	1,807,408	1,807,408	1,807,408	1,807,408	2,164,110	1,749,438	1,227,774	1,481,030	1,568,859	1,850,432	1,551,542	1,807,950	-	
BOD		1,641,770	1,676,571	1,726,376	1,595,306	1,746,010	2,158,341	1,930,615	1,930,615	1,930,615	1,930,615	1,930,615	1,930,615	2,158,341	1,746,010	1,595,306	1,726,376	1,676,571	1,641,770	1,295,304	1,492,853	-	
Lump Sum		1,138,146	66,000	66,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	66,000	66,000	1,138,146	49,000	49,000	-	
Management Fee		678,001	529,498	559,042	484,299	586,586	662,633	607,752	607,752	607,752	607,752	607,752	607,752	662,633	586,586	484,299	559,042	529,498	678,001	415,542	477,918	-	
Total		7,458,006	5,824,483	6,149,465	5,327,292	6,452,442	7,288,963	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	7,288,963	6,452,442	5,327,292	6,149,465	5,824,483	7,458,006	4,570,959	5,257,099	-	
														8,129,534	6,795,793	6,447,843	7,820,704	7,032,982	7,295,679	6,737,898			
Cheltenham																							
Rates																							
Volume ($/Mcf)		1.4200	1.5173	1.6314	1.2610	1.3815	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.3815	1.2610	1.6314	1.5173	1.4200	1.3892	1.0052		
Capacity ($/cfs)		3,686	3,816	3,983	4,513	4,870	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,870	4,513	3,983	3,816	3,686	3,731	2,137		
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	184.9134	154.1567		
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	185.9625	151.4972		
Annual Lump Sum ($)		1,098,000	1,098,000	1,098,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,098,000	1,098,000	1,098,000	1,098,000	898,000		
Management Fee (%)		12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%		

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Billing Units																						
Volume (Mcf)		475,447	422,060	522,135	411,325	281,173	356,825	350,000	350,000	350,000	350,000	350,000	350,000	356,825	281,173	411,325	522,135	422,060	475,447	343,717	361,000	
Capacity (cfs)		20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	20.750	
SS (1,000 lbs.)		4,083	3,596	4,461	3,600	2,522	3,135	3,100	3,100	3,100	3,100	3,100	3,100	3,135	2,522	3,600	4,461	3,596	4,083	2,944	2,995	
BOD (1,000 lbs.)		3,556	3,139	3,887	3,121	2,182	2,726	2,700	2,700	2,700	2,700	2,700	2,700	2,726	2,182	3,121	3,887	3,139	3,556	2,569	2,635	
Billings																						
Volume		675,134	640,392	851,811	518,681	388,441	516,612	506,730	506,730	506,730	506,730	506,730	506,730	516,612	388,441	518,681	851,811	640,392	675,134	477,492	362,877	-
Capacity		76,485	79,182	82,647	93,645	101,053	103,605	103,605	103,605	103,605	103,605	103,605	103,605	103,605	101,053	93,645	82,647	79,182	76,485	77,418	44,343	-
SS		757,516	698,227	910,657	578,476	446,223	584,232	577,625	577,625	577,625	577,625	577,625	577,625	584,232	446,223	578,476	910,657	698,227	757,516	544,442	461,699	-
BOD		669,893	631,527	847,268	551,794	420,206	548,260	542,985	542,985	542,985	542,985	542,985	542,985	548,260	420,206	551,794	847,268	631,527	669,893	477,822	399,195	-
Lump Sum		1,098,000	1,098,000	1,098,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,098,000	1,098,000	1,098,000	1,098,000	898,000	-
Management Fee		393,243	377,679	454,846	343,391	296,991	344,605	341,993	341,993	341,993	341,993	341,993	341,993	344,605	296,991	343,391	454,846	377,679	393,243	321,021	216,611	-
Total		3,670,272	3,525,008	4,245,229	3,204,987	2,771,914	3,216,315	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,216,315	2,771,914	3,204,987	4,245,229	3,525,008	3,670,272	2,996,195	2,382,726	-
														3,329,092	2,878,829	3,257,491	4,278,091	3,206,008	3,239,440	2,546,043		
Lower Moreland																						
Rates																						
Volume ($/Mcf)		1.4843	1.5893	1.7154	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.4676	1.3415	1.7154	1.5893	1.4843	1.4517	1.0735	
Capacity ($/cfs)		7,348	7,638	8,007	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,378	8,712	8,007	7,638	7,348	7,421	4,574	
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	184.9134	154.1567	
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	185.9625	151.4972	
Annual Lump Sum ($)		261,000	261,000	261,000	286,000	286,000	286,000	301,000	301,000	301,000	301,000	301,000	301,000	286,000	286,000	286,000	261,000	261,000	261,000	261,000	225,000	
Management Fee (%)		12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	
Billing Units																						
Volume (Mcf)		68,796	58,379	65,732	53,690	63,271	57,771	58,200	58,200	58,200	58,200	58,200	58,200	57,771	63,271	53,690	65,732	58,379	68,796	56,312	63,000	
Capacity (cfs)		5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	5.941	
SS (1,000 lbs.)		704	598	670	548	647	593	600	600	600	600	600	600	593	647	548	670	598	704	575	590	
BOD (1,000 lbs.)		530	450	504	412	486	447	450	450	450	450	450	450	447	486	412	504	450	530	432	476	
Billings																						
Volume		102,114	92,782	112,757	72,025	92,856	88,881	89,541	89,541	89,541	89,541	89,541	89,541	88,881	92,856	72,025	112,757	92,782	102,114	81,749	67,631	-
Capacity		43,654	45,377	47,570	51,758	55,715	56,980	56,980	56,980	56,980	56,980	56,980	56,980	56,980	55,715	51,758	47,570	45,377	43,654	44,088	27,174	-
SS		130,683	116,069	136,807	87,987	114,412	110,585	111,798	111,798	111,798	111,798	111,798	111,798	110,585	114,412	87,987	136,807	116,069	130,683	106,300	90,952	-
BOD		99,858	90,499	109,841	72,802	93,680	89,864	90,498	90,498	90,498	90,498	90,498	90,498	89,864	93,680	72,802	109,841	90,499	99,858	80,413	72,113	-
Lump Sum		261,000	261,000	261,000	286,000	286,000	286,000	301,000	301,000	301,000	301,000	301,000	301,000	286,000	286,000	286,000	261,000	261,000	261,000	261,000	225,000	-
Management Fee		76,477	72,687	80,157	68,469	77,120	75,877	77,978	77,978	77,978	77,978	77,978	77,978	75,877	77,120	68,469	80,157	72,687	76,477	68,826	57,944	-
Total		713,787	678,415	748,130	639,040	719,783	708,188	727,795	727,795	727,795	727,795	727,795	727,795	708,188	719,783	639,040	748,130	678,415	713,787	642,376	540,814	-
														761,457	728,027	654,973	797,524	700,356	736,917	673,879		
Lower Southampton																						
Rates																						
Volume ($/Mcf)		1.4843	1.5893	1.7154	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.4676	1.3415	1.7154	1.5893	1.4843	1.4517	1.0735	
Capacity ($/cfs)		7,348	7,638	8,007	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,378	8,712	8,007	7,638	7,348	7,421	4,574	
SS ($/1,000 lbs.)		185.5215	194.1554	204.1477	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	176.9354	160.6960	204.1477	194.1554	185.5215	184.9134	154.1567	
BOD ($/1,000 lbs.)		188.3766	201.1572	217.9484	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	192.5663	176.7907	217.9484	201.1572	188.3766	185.9625	151.4972	
Annual Lump Sum ($)		64,000	64,000	64,000	1,150,000	1,254,000	1,357,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,357,000	1,254,000	1,150,000	64,000	64,000	64,000	64,000	60,000	
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		325,571	254,243	249,789	244,778	310,188	255,403	270,000	270,000	270,000	270,000	270,000	270,000	255,403	310,188	244,778	249,789	254,243	325,571	248,128	324,000	
Capacity (cfs)		15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	15.790	
SS (1,000 lbs.)		3,286	2,566	2,878	4,991	2,436	2,427	2,700	2,700	2,700	2,700	2,700	2,700	2,427	2,436	4,991	2,878	2,566	3,286	4,731	3,841	
BOD (1,000 lbs.)		2,551	2,044	1,905	3,293	2,223	2,139	2,100	2,100	2,100	2,100	2,100	2,100	2,139	2,223	3,293	1,905	2,044	2,551	3,640	2,547	
Billings																						
Volume		483,245	404,069	428,489	328,370	455,233	392,938	415,395	415,395	415,395	415,395	415,395	415,395	392,938	455,233	328,370	428,489	404,069	483,245	360,208	347,814	-
Capacity		116,025	120,604	126,431	137,562	148,079	151,442	151,442	151,442	151,442	151,442	151,442	151,442	151,442	148,079	137,562	126,431	120,604	116,025	117,178	72,223	-
SS		609,588	498,292	587,623	801,998	431,016	452,143	503,093	503,093	503,093	503,093	503,093	503,093	452,143	431,016	801,998	587,623	498,292	609,588	874,853	592,116	-
BOD		480,488	411,159	415,168	582,239	428,071	430,155	422,322	422,322	422,322	422,322	422,322	422,322	430,155	428,071	582,239	415,168	411,159	480,488	676,811	385,863	-
Lump Sum		64,000	64,000	64,000	1,150,000	1,254,000	1,357,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,357,000	1,254,000	1,150,000	64,000	64,000	64,000	64,000	60,000	-
Management Fee		175,335	149,812	162,171	300,017	271,640	278,368	288,925	288,925	288,925	288,925	288,925	288,925	278,368	271,640	300,017	162,171	149,812	175,335	209,305	145,802	-
Total		1,928,681	1,647,936	1,783,881	3,300,187	2,988,039	3,062,045	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,062,045	2,988,039	3,300,187	1,783,881	1,647,936	1,928,681	2,302,354	1,603,818	-
														3,107,223	2,868,592	2,909,042	2,200,955	2,679,088	2,117,190	2,479,083		
DELCORA																						
Rates																						
Volume ($/Mcf)		1.5704	1.6373	1.2821	1.1331	1.2245	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2245	1.1331	1.2821	1.6373	1.5704	1.5610	1.7256	
Capacity ($/cfs)		6,426	6,660	5,635	4,907	5,262	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,262	4,907	5,635	6,660	6,426	6,442	4,525	
SS ($/1,000 lbs.)		209.8048	219.4079	214.6076	155.8293	171.2878	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	171.2878	155.8293	214.6076	219.4079	209.8048	208.8203	189.0999	
BOD ($/1,000 lbs.)		194.7073	208.4314	203.8065	174.4212	189.5825	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	189.5825	174.4212	203.8065	208.4314	194.7073	191.9793	156.7329	
Annual Lump Sum ($)		-	-	-	43,000	43,000	43,000	437,000	437,000	437,000	437,000	437,000	437,000	43,000	43,000	43,000	-	-	-	-	-	
Management Fee (%)		10.00%	10.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		1,471,380	1,212,631	1,364,247	1,113,594	1,292,169	1,110,372	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,110,372	1,292,169	1,113,594	1,364,247	1,212,631	1,471,380	1,119,202	1,404,000	
Capacity (cfs)		155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	155.000	
SS (1,000 lbs.)		13,455	13,717	13,788	12,443	14,026	12,729	13,100	13,100	13,100	13,100	13,100	13,100	12,729	14,026	12,443	13,788	13,717	13,455	12,933	12,526	
BOD (1,000 lbs.)		11,274	11,756	11,371	10,302	11,783	11,305	11,100	11,100	11,100	11,100	11,100	11,100	11,305	11,783	10,302	11,371	11,756	11,274	10,855	11,212	
Billings																						
Volume		2,310,656	1,985,441	1,749,102	1,261,814	1,582,261	1,401,956	1,515,120	1,515,120	1,515,120	1,515,120	1,515,120	1,515,120	1,401,956	1,582,261	1,261,814	1,749,102	1,985,441	2,310,656	1,747,074	2,422,742	-
Capacity		996,030	1,032,300	873,425	760,585	815,610	831,575	831,575	831,575	831,575	831,575	831,575	831,575	831,575	815,610	760,585	873,425	1,032,300	996,030	998,510	701,375	-
SS		2,822,905	3,009,713	2,958,956	1,938,998	2,402,416	2,288,545	2,355,326	2,355,326	2,355,326	2,355,326	2,355,326	2,355,326	2,288,545	2,402,416	1,938,998	2,958,956	3,009,713	2,822,905	2,700,688	2,368,665	-
BOD		2,195,224	2,450,238	2,317,524	1,796,884	2,233,934	2,250,974	2,210,253	2,210,253	2,210,253	2,210,253	2,210,253	2,210,253	2,250,974	2,233,934	1,796,884	2,317,524	2,450,238	2,195,224	2,083,893	1,757,289	-
Lump Sum		-	-	-	43,000	43,000	43,000	437,000	437,000	437,000	437,000	437,000	437,000	43,000	43,000	43,000	-	-	-	-	-	-
Management Fee		832,481	847,769	947,881	696,154	849,266	817,926	881,913	881,913	881,913	881,913	881,913	881,913	817,926	849,266	696,154	947,881	847,769	832,481	753,016	725,007	-
Total		9,157,295	9,325,461	8,846,888	6,497,434	7,926,487	7,633,975	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	7,633,975	7,926,487	6,497,434	8,846,888	9,325,461	9,157,295	8,283,181	7,975,079	-
														7,886,945	7,680,973	6,712,457	8,440,530	8,857,559	8,789,736	7,661,288		

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Lower Merion																						
Rates																						
Volume ($/Mcf)		1.1679	1.2369	1.3238	1.1690	1.2633	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.2633	1.1690	1.3238	1.2369	1.1679	1.1582	0.9719	
Capacity ($/cfs)		5,182	5,422	5,731	5,018	5,382	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,382	5,018	5,731	5,422	5,182	5,198	3,848	
SS ($/1,000 lbs.)		197.2836	207.0710	218.7260	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	174.3280	158.5951	218.7260	207.0710	197.2836	196.2802	162.6401	
BOD ($/1,000 lbs.)		172.2624	186.0610	204.9121	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	190.5606	175.3211	204.9121	186.0610	172.2624	169.5196	122.9381	
Annual Lump Sum ($)		112,000	112,000	112,000	126,000	127,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	127,000	126,000	112,000	112,000	112,000	112,000	105,000	
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		383,546	359,629	377,929	349,400	366,882	357,220	360,000	360,000	360,000	360,000	360,000	360,000	357,220	366,882	349,400	377,929	359,629	383,546	359,895	331,000	
Capacity (cfs)		31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	31.570	
SS (1,000 lbs.)		3,988	3,742	3,944	3,653	3,830	3,718	3,700	3,700	3,700	3,700	3,700	3,700	3,718	3,830	3,653	3,944	3,742	3,988	3,748	3,469	
BOD (1,000 lbs.)		3,433	3,234	3,416	3,172	3,310	3,208	3,200	3,200	3,200	3,200	3,200	3,200	3,208	3,310	3,172	3,416	3,234	3,433	3,216	2,974	
Billings																						
Volume		447,944	444,825	500,303	408,449	463,482	465,315	468,936	468,936	468,936	468,936	468,936	468,936	465,315	463,482	408,449	500,303	444,825	447,944	416,831	321,699	-
Capacity		163,596	171,173	180,928	158,418	169,910	173,225	173,225	173,225	173,225	173,225	173,225	173,225	173,225	169,910	158,418	180,928	171,173	163,596	164,101	121,481	-
SS		786,759	774,807	862,615	579,377	667,693	680,408	677,052	677,052	677,052	677,052	677,052	677,052	680,408	667,693	579,377	862,615	774,807	786,759	735,693	564,199	-
BOD		591,350	601,779	699,895	556,141	630,738	642,123	640,477	640,477	640,477	640,477	640,477	640,477	642,123	630,738	556,141	699,895	601,779	591,350	545,152	365,618	-
Lump Sum		112,000	112,000	112,000	126,000	127,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	127,000	126,000	112,000	112,000	112,000	112,000	105,000	-
Management Fee		210,165	210,458	235,574	182,839	205,882	208,707	208,569	208,569	208,569	208,569	208,569	208,569	208,707	205,882	182,839	235,574	210,458	210,165	197,378	147,800	-
Total		2,311,813	2,315,042	2,591,314	2,011,224	2,264,706	2,295,777	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,295,777	2,264,706	2,011,224	2,591,314	2,315,042	2,311,813	2,171,155	1,625,796	-
														2,533,305	2,594,719	2,390,651	2,804,665	2,376,781	2,816,586	2,515,290		
Springfield (less Wyndmoor)																						
Rates																						
Volume ($/Mcf)		1.4478	1.5259	1.6213	1.4749	1.5786	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.5786	1.4749	1.6213	1.5259	1.4478	1.4296	1.1856	
Capacity ($/cfs)		9,428	9,852	10,354	10,146	10,870	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	10,870	10,146	10,354	9,852	9,428	9,408	8,868	
SS ($/1,000 lbs.)		197.2836	207.0710	218.7260	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	174.3280	158.5951	218.7260	207.0710	197.2836	196.2802	162.6401	
BOD ($/1,000 lbs.)		172.2624	186.0610	204.9121	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	190.5606	175.3211	204.9121	186.0610	172.2624	169.5196	122.9381	
Annual Lump Sum ($)		294,000	294,000	294,000	388,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	388,000	294,000	294,000	294,000	293,000	254,000	
Management Fee (%)		12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		187,034	152,066	195,918	148,680	176,441	142,622	160,000	160,000	160,000	160,000	160,000	160,000	142,622	176,441	148,680	195,918	152,066	187,034	149,644	134,000	
Capacity (cfs)		4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	
SS (1,000 lbs.)		2,818	1,776	2,093	1,527	1,727	1,845	1,700	1,700	1,700	1,700	1,700	1,700	1,845	1,727	1,527	2,093	1,776	2,818	3,094	1,956	
BOD (1,000 lbs.)		2,464	1,382	1,556	2,050	1,757	1,598	1,800	1,800	1,800	1,800	1,800	1,800	1,598	1,757	2,050	1,556	1,382	2,464	2,354	1,864	
Billings																						
Volume		270,788	232,038	317,642	219,288	278,529	232,075	260,352	260,352	260,352	260,352	260,352	260,352	232,075	278,529	219,288	317,642	232,038	270,788	213,931	158,870	-
Capacity		43,369	45,319	47,628	46,672	50,002	51,221	51,221	51,221	51,221	51,221	51,221	51,221	51,221	50,002	46,672	47,628	45,319	43,369	43,277	40,793	-
SS		555,938	367,788	457,701	242,211	301,073	337,642	311,078	311,078	311,078	311,078	311,078	311,078	337,642	301,073	242,211	457,701	367,788	555,938	607,279	318,124	-
BOD		424,513	257,224	318,832	359,368	334,882	319,760	360,269	360,269	360,269	360,269	360,269	360,269	319,760	334,882	359,368	318,832	257,224	424,513	399,001	229,157	-
Lump Sum		294,000	294,000	294,000	388,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	388,000	294,000	294,000	294,000	293,000	254,000	-
Management Fee		190,633	143,564	172,296	150,665	162,418	159,564	164,630	164,630	164,630	164,630	164,630	164,630	159,564	162,418	150,665	172,296	143,564	190,633	155,649	100,094	-
Total		1,779,240	1,339,933	1,608,098	1,406,204	1,515,904	1,489,263	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,489,263	1,515,904	1,406,204	1,608,098	1,339,933	1,779,240	1,712,137	1,101,038	-
														1,720,964	2,051,437	1,467,661	1,685,156	1,466,265	2,538,979	1,658,739		
Upper Darby																						
Rates																						
Volume ($/Mcf)		1.1679	1.2369	1.3238	1.1690	1.2633	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.2633	1.1690	1.3238	1.2369	1.1679	1.1582	0.9719	
Capacity ($/cfs)		5,182	5,422	5,731	5,018	5,382	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,382	5,018	5,731	5,422	5,182	5,198	3,848	
SS ($/1,000 lbs.)		197.2836	207.0710	218.7260	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	174.3280	158.5951	218.7260	207.0710	197.2836	196.2802	162.6401	
BOD ($/1,000 lbs.)		172.2624	186.0610	204.9121	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	190.5606	175.3211	204.9121	186.0610	172.2624	169.5196	122.9381	
Annual Lump Sum ($)		37,000	37,000	37,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	37,000	37,000	37,000	37,000	35,000	
Management Fee (%)		10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	
Billing Units														8.30	8.30	8.30	8.30	8.30	8.30	8.30		
Volume (Mcf)		571,000	464,000	512,225	437,580	509,725	463,520	470,000	470,000	470,000	470,000	470,000	470,000	463,520	509,725	437,580	512,225	464,000	571,000	571,000	571,000	
Capacity (cfs)		35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	
SS (1,000 lbs.)		5,557	4,516	4,985	4,259	4,961	4,511	4,600	4,600	4,600	4,600	4,600	4,600	4,511	4,961	4,259	4,985	4,516	5,557	5,557	5,557	
BOD (1,000 lbs.)		4,738	3,850	4,250	3,631	4,229	3,846	4,000	4,000	4,000	4,000	4,000	4,000	3,846	4,229	3,631	4,250	3,850	4,738	4,738	4,738	
Billings																						
Volume		666,871	573,922	678,084	511,531	643,936	603,781	612,222	612,222	612,222	612,222	612,222	612,222	603,781	643,936	511,531	678,084	573,922	666,871	661,332	554,955	-
Capacity		181,370	189,770	200,585	175,630	188,370	192,045	192,045	192,045	192,045	192,045	192,045	192,045	192,045	188,370	175,630	200,585	189,770	181,370	181,930	134,680	-
SS		1,096,305	935,133	1,090,395	675,414	864,818	825,491	841,741	841,741	841,741	841,741	841,741	841,741	825,491	864,818	675,414	1,090,395	935,133	1,096,305	1,090,729	903,791	-
BOD		816,179	716,335	870,919	636,563	805,969	769,788	800,597	800,597	800,597	800,597	800,597	800,597	769,788	805,969	636,563	870,919	716,335	816,179	803,184	582,481	-
Lump Sum		37,000	37,000	37,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	37,000	37,000	37,000	37,000	35,000	-
Management Fee		279,773	245,216	287,698	204,214	254,609	243,411	248,960	248,960	248,960	248,960	248,960	248,960	243,411	254,609	204,214	287,698	245,216	279,773	277,418	221,091	-
Total		3,077,498	2,697,375	3,164,681	2,246,351	2,800,702	2,677,516	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,677,516	2,800,702	2,246,351	3,164,681	2,697,375	3,077,498	3,051,593	2,431,997	-
														2,888,737	3,059,522	2,316,463	3,451,100	2,726,033	3,389,507			
Springfield (Wyndmoor)																						
Rates																						
Volume ($/Mcf)		1.7096	1.8250	1.9723	1.7579	1.8977	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.8977	1.7579	1.9723	1.8250	1.7096	1.6842	1.5780	
Capacity ($/cfs)		10,028	10,489	11,103	11,938	12,748	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,748	11,938	11,103	10,489	10,028	10,067	8,066	
SS ($/1,000 lbs.)		256.9935	269.4468	284.3272	229.6040	250.9098	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	250.9098	229.6040	284.3272	269.4468	256.9935	256.0578	221.4281	
BOD ($/1,000 lbs.)		115.9064	123.6152	133.7348	118.1136	128.1883	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	128.1883	118.1136	133.7348	123.6152	115.9064	114.4362	94.5516	
Annual Lump Sum ($)		120,000	120,000	120,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	120,000	120,000	120,000	120,000	101,000	
Management Fee (%)		12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%	10.00%	
Billing Units																						
Volume (Mcf)		24,335	19,828	22,707	18,475	19,785	18,388	19,000	19,000	19,000	19,000	19,000	19,000	18,388	19,785	18,475	22,707	19,828	24,335	19,900	21,000	
Capacity (cfs)		1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	1.930	
SS (1,000 lbs.)		132	112	125	106	112	160	130	130	130	130	130	130	160	112	106	125	112	132	112	114	
BOD (1,000 lbs.)		105	89	99	85	89	122	100	100	100	100	100	100	122	89	85	99	89	105	90	90	

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Billings																						
Volume		41,603	36,186	44,785	32,477	37,546	36,055	37,255	37,255	37,255	37,255	37,255	37,255	36,055	37,546	32,477	44,785	36,186	41,603	33,515	33,138	-
Capacity		19,354	20,244	21,429	23,040	24,604	24,995	24,995	24,995	24,995	24,995	24,995	24,995	24,995	24,604	23,040	21,429	20,244	19,354	19,429	15,567	-
SS		33,848	30,185	35,426	24,365	28,061	41,814	33,989	33,989	33,989	33,989	33,989	33,989	41,814	28,061	24,365	35,426	30,185	33,848	28,765	25,243	-
BOD		12,155	11,052	13,278	10,012	11,442	16,273	13,347	13,347	13,347	13,347	13,347	13,347	16,273	11,442	10,012	13,278	11,052	12,155	10,259	8,510	-
Lump Sum		120,000	120,000	120,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	120,000	120,000	120,000	120,000	101,000	-
Management Fee		27,235	26,120	28,190	27,347	28,758	30,856	29,710	29,710	29,710	29,710	29,710	29,710	30,856	28,758	27,347	28,190	26,120	27,235	21,197	18,346	-
Total		254,196	243,786	263,108	255,242	268,410	287,993	277,297	277,297	277,297	277,297	277,297	277,297	287,993	268,410	255,242	263,108	243,786	254,196	233,166	201,804	-
														283,945	261,047	248,596	232,623	238,807	251,619	226,715		
Billed Volume Summary (Mcf)																						
Abington		117,245	98,059	114,622	97,815	102,068	100,091	100,000	100,000	100,000	100,000	100,000	100,000	100,091	102,068	97,815	114,622	98,059	117,245	91,297	107,000	-
Bensalem		196,088	159,115	178,606	170,990	180,864	171,935	175,000	175,000	175,000	175,000	175,000	175,000	171,935	180,864	170,990	178,606	159,115	196,088	172,247	160,000	-
Bucks County		1,027,076	839,183	953,586	815,278	945,440	846,849	870,000	870,000	870,000	870,000	870,000	870,000	846,849	945,440	815,278	953,586	839,183	1,027,076	810,819	969,000	-
Cheltenham		475,447	422,060	522,135	411,325	281,173	356,825	350,000	350,000	350,000	350,000	350,000	350,000	356,825	281,173	411,325	522,135	422,060	475,447	343,717	361,000	-
Lower Moreland		68,796	58,379	65,732	53,690	63,271	57,771	58,200	58,200	58,200	58,200	58,200	58,200	57,771	63,271	53,690	65,732	58,379	68,796	56,312	63,000	-
Lower Southampton		325,571	254,243	249,789	244,778	310,188	255,403	270,000	270,000	270,000	270,000	270,000	270,000	255,403	310,188	244,778	249,789	254,243	325,571	248,128	324,000	-
DELCORA		1,471,380	1,212,631	1,364,247	1,113,594	1,292,169	1,110,372	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,110,372	1,292,169	1,113,594	1,364,247	1,212,631	1,471,380	1,119,202	1,404,000	-
Lower Merion		383,546	359,629	377,929	349,400	366,882	357,220	360,000	360,000	360,000	360,000	360,000	360,000	357,220	366,882	349,400	377,929	359,629	383,546	359,895	331,000	-
Springfield (less Wyndmoor)		187,034	152,066	195,918	148,680	176,441	142,622	160,000	160,000	160,000	160,000	160,000	160,000	142,622	176,441	148,680	195,918	152,066	187,034	149,644	134,000	-
Upper Darby		571,000	464,000	512,225	437,580	509,725	463,520	470,000	470,000	470,000	470,000	470,000	470,000	463,520	509,725	437,580	512,225	464,000	571,000	571,000	571,000	-
Springfield (Wyndmoor)		24,335	19,828	22,707	18,475	19,785	18,388	19,000	19,000	19,000	19,000	19,000	19,000	18,388	19,785	18,475	22,707	19,828	24,335	19,900	21,000	-
Total		4,847,517	4,039,194	4,557,496	3,861,607	4,248,005	3,880,996	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	3,880,996	4,248,005	3,861,607	4,557,496	4,039,194	4,847,517	3,942,161	4,445,000	-
By WPCP																						
NE WPCP		2,210,222	1,831,040	2,084,470	1,793,877	1,883,004	1,788,874	1,823,200	1,823,200	1,823,200	1,823,200	1,823,200	1,823,200	1,788,874	1,883,004	1,793,877	2,084,470	1,831,040	2,210,222	1,722,521	1,984,000	-
SW WPCP		2,612,961	2,188,326	2,450,319	2,049,255	2,345,217	2,073,734	2,190,000	2,190,000	2,190,000	2,190,000	2,190,000	2,190,000	2,073,734	2,345,217	2,049,255	2,450,319	2,188,326	2,612,961	2,199,741	2,440,000	-
SE WPCP		24,335	19,828	22,707	18,475	19,785	18,388	19,000	19,000	19,000	19,000	19,000	19,000	18,388	19,785	18,475	22,707	19,828	24,335	19,900	21,000	-
Billings Summary																						
Abington		1,339,683	1,220,131	1,433,486	1,175,552	1,079,428	1,325,499	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,505,854	1,079,428	1,175,552	1,433,486	1,220,131	1,339,683	1,198,157	1,011,273	-
Bensalem		1,554,095	1,447,024	1,797,944	1,722,599	1,560,644	1,562,395	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,599,973	1,560,644	1,722,599	1,797,944	1,447,024	1,554,095	1,521,251	1,107,226	-
Bucks County		7,295,679	7,032,982	7,820,704	6,447,843	6,795,793	7,288,963	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	8,129,534	6,795,793	6,447,843	7,820,704	7,032,982	7,295,679	6,737,898	5,257,099	-
Cheltenham		3,239,440	3,206,008	4,278,091	3,257,491	2,878,829	3,216,315	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,329,092	2,878,829	3,257,491	4,278,091	3,206,008	3,239,440	2,546,043	2,382,726	-
Lower Moreland		736,917	700,356	797,524	654,973	728,027	708,188	727,795	727,795	727,795	727,795	727,795	727,795	761,457	728,027	654,973	797,524	700,356	736,917	673,879	540,814	-
Lower Southampton		2,117,190	2,679,088	2,200,955	2,909,042	2,868,592	3,062,045	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,107,223	2,868,592	2,909,042	2,200,955	2,679,088	2,117,190	2,479,083	1,603,818	-
DELCORA		8,789,736	8,857,559	8,440,530	6,712,457	7,680,973	7,633,975	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	7,886,945	7,680,973	6,712,457	8,440,530	8,857,559	8,789,736	7,661,288	7,975,079	-
Lower Merion		2,816,586	2,376,781	2,804,665	2,390,651	2,594,719	2,295,777	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,533,305	2,594,719	2,390,651	2,804,665	2,376,781	2,816,586	2,515,290	1,625,796	-
Springfield (less Wyndmoor)		2,538,979	1,466,265	1,685,156	1,467,661	2,051,437	1,489,263	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,720,964	2,051,437	1,467,661	1,685,156	1,466,265	2,538,979	1,658,739	1,101,038	-
Upper Darby		3,389,507	2,726,033	3,451,100	2,316,463	3,059,522	2,677,516	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,888,737	3,059,522	2,316,463	3,451,100	2,726,033	3,389,507	3,051,593	2,431,997	-
Springfield (Wyndmoor)		251,619	238,807	232,623	248,596	261,047	287,993	277,297	277,297	277,297	277,297	277,297	277,297	283,945	261,047	248,596	232,623	238,807	251,619	226,715	201,804	-
Total		34,069,431	31,951,036	34,942,778	29,303,329	31,559,011	31,547,929	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	33,747,029	31,559,011	29,303,329	34,942,778	31,951,036	34,069,431	30,269,935	25,238,671	-
							33,221,384															
Actual		32,214,000	31,951,036	34,942,778	29,424,335	31,641,656	33,221,384	-	-					33,221,384	31,641,656	29,424,335	34,942,778	31,951,036	32,214,000	28,642,000		

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Wholesale Billing Summary By WPCP																						
NE WPCP		16,283,005	16,285,590	18,328,704	16,167,500	15,911,313	17,163,405	16,628,527	16,628,527	16,628,527	16,628,527	16,628,527	16,628,527	18,433,133	15,911,313	16,167,500	18,328,704	16,285,590	16,283,005	15,156,311	11,902,956	-
SW WPCP		17,534,807	15,426,638	16,381,452	12,887,232	15,386,651	14,096,530	14,800,562	14,800,562	14,800,562	14,800,562	14,800,562	14,800,562	15,029,951	15,386,651	12,887,232	16,381,452	15,426,638	17,534,807	14,886,909	13,133,911	-
SE WPCP		251,619	238,807	232,623	248,596	261,047	287,993	277,297	277,297	277,297	277,297	277,297	277,297	283,945	261,047	248,596	232,623	238,807	251,619	226,715	201,804	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Sanitary and Stomwater Sewer - Revenue Summary													Customer - 20									Customer - 20
					Sanitary Sewer General Service and SW Using Calculated Values																	
Sanitary Sewer Collections																						
General Service		271,259	182,584	170,514	163,854	182,033	194,546	194,928	195,211	195,209	195,392	195,758	196,122	208,551	195,038	179,320	170,514	182,584	271,259	255,231	-	-
City		15,811	11,615	14,563	7,624	7,718	5,787	6,969	6,969	6,969	6,969	6,969	6,969	16,933	16,378	18,140	14,563	11,615	15,811	13,719	-	-
Fire		283	159	267	214	100	74	79	79	79	79	79	79	-	100	214	267	159	283	-	24	30
Surcharge		4,576	5,481	5,110	5,656	4,252	3,407	4,000	4,000	4,000	4,000	4,000	4,000	3,407	4,252	5,656	5,110	5,481	4,576	4,484	-	-
Wholesale		32,214	31,951	34,943	29,424	31,642	33,221	31,706	31,706	31,706	31,706	31,706	31,706	33,221	31,642	29,424	34,943	31,951	32,214	28,642	25,239	-
Subtotal		324,143	231,790	225,397	206,773	225,744	237,036	237,682	237,965	237,963	238,146	238,512	238,876	262,113	247,410	232,754	225,397	231,790	324,143	302,076	25,263	30
Stormwater Collections																						
Non-City		-	103,264	123,427	125,805	135,702	142,438	142,089	141,302	140,272	139,176	138,069	136,954									
City		-	4,545	8,409	8,867	10,471	11,178	10,925	10,802	10,678	10,546	10,413	10,279									
Subtotal		-	107,809	131,836	134,671	146,174	153,615	153,014	152,104	150,950	149,722	148,482	147,233	225,485	211,517	197,674	185,345	194,358	287,353	268,950	24	30
Total		324,143	339,599	357,234	341,444	371,918	390,651	390,696	390,070	388,913	387,868	386,994	386,109	262,113	247,410	232,754	225,397	231,790	324,143	302,076	25,263	30
General Service - Sanitary Sewer + Stormwater																						
Actual					292,171	315,049	336,659			-	-	-	-									
Calculated					289,659	317,735	336,984															
					99.1%	100.9%	100.1%															
City - Sanitary Sewer + Stormwater																						
Actual					18,140	16,378	16,933															
Calculated					16,491	18,190	16,965															
					90.9%	111.1%	100.2%															
General Service - Water + Sanitary Sewer + Stormwater																						
Actual					512,089	552,241	575,735															
Calculated					511,053	551,771	576,742															
					99.8%	99.9%	100.2%															
					(1,036)	(470)	1,007															

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Stormwater - Units of Service													Customer - 21									Customer - 21
Number of Non- Exempt Parcels														The FY 2015 number used for projection is average of FY 2014 and FY 2015								
Residential (Includes Residential No-OPA Parcels)																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	439,740	421,378	423,543	424,838	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,838	423,543	421,378	439,740				
SW Only	Account - No Growth	-	11,345	12,646	11,108	10,567	10,309	10,309	10,309	10,309	10,309	10,309	10,309	10,309	10,567	11,108	12,646	11,345				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	5,124	20,003	19,918	20,120	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,120	19,918	20,003	5,124				
SW Only	Account - No Growth	-	63	16	14	28	29	29	29	29	29	29	29	29	28	14	16	63				
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	4,459	4,363	4,239	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,239	4,363	4,459	included above				
SW Only	Account - No Growth	-	-	273	227	189	181	181	181	181	181	181	181	181	189	227	273					
City Owned																						
Water & Sewer	Account - No Growth	-	-	117	99	86	102	102	102	102	102	102	102	102	86	99	117	included above				
SW Only	Account - No Growth	-	-	58	21	22	22	22	22	22	22	22	22	22	22	21	58					
Subtotal		-	456,272	458,950	459,293	460,089	460,311	460,311	460,311	460,311	460,311	460,311	460,311	460,311	460,089	459,293	458,950	456,272	-	-	-	-
Non-Residential (Includes Non Residential No-OPA & Unknown No-OPA Parcels)																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	33,303	32,155	32,049	32,044	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,044	32,049	32,155	33,303				
SW Only	Account - No Growth	-	31,033	38,562	38,305	37,626	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,626	38,305	38,562	31,033				
Discount Non-PHA (Includes Fairmount Park City Leased Parcels)																						
Water & Sewer	Account - No Growth	-	2,303	1,979	1,982	1,949	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,949	1,982	1,979	2,303				
SW Only	Account - No Growth	-	275	273	283	303	301	301	301	301	301	301	301	301	303	283	273	275				
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	371	365	358	294	294	294	294	294	294	294	294	358	365	371	included above				
SW Only	Account - No Growth	-	-	976	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	982	973	976					
City Owned (Includes Fairmount Park City Owned Parcels)																						
Water & Sewer	Account - No Growth	-	-	447	460	458	458	458	458	458	458	458	458	458	458	460	447	included above				
SW Only	Account - No Growth	-	-	711	516	527	532	532	532	532	532	532	532	532	522	516	711					
Subtotal		-	66,914	75,474	74,933	74,247	73,805	73,805	73,805	73,805	73,805	73,805	73,805	73,805	74,247	74,933	75,474	66,914	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	1,472	1,500	1,550	1,576	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,576	1,550	1,500	1,472				
SW Only	Account - No Growth	-	17	34	27	24	27	27	27	27	27	27	27	27	24	27	34	17				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	3	31	32	30	33	33	33	33	33	33	33	33	30	32	31	3				
SW Only	Account - No Growth	-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-				
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	included above				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	included above				
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-					
Subtotal		-	1,492	1,567	1,613	1,634	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,634	1,613	1,567	1,492	-	-	-	-
Total		-	524,678	535,991	535,839	535,970	535,787	535,787	535,787	535,787	535,787	535,787	535,787	535,787	535,970	535,839	535,991	524,678	-	-	-	-
Number of Parcels-Credits													**Customer - 22**									**Customer - 22**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential														Fairmount Park parcels are included in City owned								
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	227	325	380	434	480	527	573	620	666	713	434	380	325	227					
SW Only	Account - No Growth	-	-	171	233	215	221	244	268	292	316	339	363	221	215	233	171					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	93	137	161	151	167	183	199	216	232	248	151	161	137	93					
SW Only	Account - No Growth	-	-	-	3	31	12	13	15	16	17	18	20	12	31	3	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	1	1	1	1	1	1	1	2	2	1	1	1	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	9	17	18	17	20	22	23	25	27	29	17	18	17	9					
SW Only	Account - No Growth	-	-	1	-	-	-	-	-	-	-	-	-	0	-	-	1					
Subtotal		-	-	501	716	806	836	925	1,016	1,104	1,195	1,284	1,375	836	806	716	501	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	7	16	19	27	30	33	36	39	41	44	27	19	16	7					
SW Only	Account - No Growth	-	-	-	-	-	1	1	1	1	1	2	2	1	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	3	2	3	3	3	4	4	4	5	5	3	3	2	3					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	10	18	22	31	34	38	41	44	48	51	31	22	18	10	-	-	-	-	-
Total		-	-	511	734	828	867	959	1,054	1,145	1,239	1,332	1,426	867	828	734	511	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	Escalation	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2015	2014	2013	2012	2011	2010	2009	2008	2007
Number of Parcels-Appeals (Cumulative Annual Projection)													**Customer - 23**	The FY 2015 number used for projection is average of FY 2014 and FY 2015								**Customer - 23**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	793	531	423	335	302	579	840	1,087	1,323	1,546	335	423	531	793					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Subtotal		-	-	793	531	423	335	302	579	840	1,087	1,323	1,546	335	423	531	793	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	793	531	423	335	302	579	840	1,087	1,323	1,546	335	423	531	793	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Number of Exempt Parcels													**Customer - 24**	Residential: Data reflects the actual number of parcels exempted for Residential Sideyards.								**Customer - 24**
Residential Sideyards																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	929	1,146	1,286	1,393	96	185	268	347	422	494	1,393	1,286	1,146	929					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
Subtotal		-	-	929	1,146	1,286	1,393	96	185	268	347	422	494	1,393	1,286	1,146	929	-	-	-	-	-
Non-Residential														Non-Residential: Data reflects the number of City Owned Lots becoming "non-City Owned".								
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	8,926	(96)	(142)	(165)	(17)	(34)	(51)	(68)	(85)	(102)	(165)	(142)	(96)	8,926					
Subtotal		-	-	8,926	(96)	(142)	(165)	(17)	(34)	(51)	(68)	(85)	(102)	(165)	(142)	(96)	8,926	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-															
SW Only	Account - No Growth	-	-	-	-	-	-															
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	9,855	1,050	1,144	1,228	79	151	217	279	337	392	1,228	1,144	1,050	9,855	-	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Number of Billable Parcels-After Exemptions													**Customer - 25**
Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	439,740	421,378	423,543	424,838	424,709	424,709	424,709	424,709	424,709	424,709	424,709
SW Only	Account - No Growth	-	11,345	12,646	11,108	10,567	10,309	10,213	10,124	10,041	9,962	9,887	9,815
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	5,124	20,003	19,918	20,120	20,747	20,747	20,747	20,747	20,747	20,747	20,747
SW Only	Account - No Growth	-	63	16	14	28	29	29	29	29	29	29	29
Discount PHA													
Water & Sewer	Account - No Growth	-	-	4,459	4,363	4,239	4,212	4,212	4,212	4,212	4,212	4,212	4,212
SW Only	Account - No Growth	-	-	273	227	189	181	181	181	181	181	181	181
City Owned													
Water & Sewer	Account - No Growth	-	-	117	99	86	102	102	102	102	102	102	102
SW Only	Account - No Growth	-	-	58	21	22	22	22	22	22	22	22	22
Subtotal		-	456,272	458,950	459,293	460,089	460,311	460,215	460,126	460,043	459,964	459,889	459,817
Non-Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	33,303	32,155	32,049	32,044	32,095	32,095	32,095	32,095	32,095	32,095	32,095
SW Only	Account - No Growth	-	31,033	38,562	38,305	37,626	37,143	37,143	37,143	37,143	37,143	37,143	37,143
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	2,303	1,979	1,982	1,949	1,933	1,933	1,933	1,933	1,933	1,933	1,933
SW Only	Account - No Growth	-	275	273	283	303	301	301	301	301	301	301	301
Discount PHA													
Water & Sewer	Account - No Growth	-	-	371	365	358	294	294	294	294	294	294	294
SW Only	Account - No Growth	-	-	976	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049
City Owned													
Water & Sewer	Account - No Growth	-	-	447	460	458	458	458	458	458	458	458	458
SW Only	Account - No Growth	-	-	711	516	527	532	549	566	583	600	617	634
Subtotal		-	66,914	75,474	74,933	74,247	73,805	73,822	73,839	73,856	73,873	73,890	73,907
Condominiums													
Non-Discount													
Water & Sewer	Account - No Growth	-	1,472	1,500	1,550	1,576	1,607	1,607	1,607	1,607	1,607	1,607	1,607
SW Only	Account - No Growth	-	17	34	27	24	27	27	27	27	27	27	27
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	3	31	32	30	33	33	33	33	33	33	33
SW Only	Account - No Growth	-	-	-	-	1	1	1	1	1	1	1	1
Discount PHA													
Water & Sewer	Account - No Growth	-	-	-	1	1	1	1	1	1	1	1	1
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
City Owned													
Water & Sewer	Account - No Growth	-	-	2	2	2	2	2	2	2	2	2	2
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-
Subtotal		-	1,492	1,567	1,613	1,634	1,671	1,671	1,671	1,671	1,671	1,671	1,671
Total		-	524,678	535,991	535,839	535,970	535,787	535,708	535,636	535,570	535,508	535,450	535,395

Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
								Customer - 25

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Number of Non-Exempt Accounts													**Customer - 26**									**Customer - 26**
Residential														The FY 2015 number used for projection is average of FY 2014 and FY 2015								
Non-Discount																						
Water & Sewer	Account - No Growth	-	440,807	422,442	424,709	426,047	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	426,047	424,709	422,442	440,807				
SW Only	Account - No Growth	-	11,345	12,676	11,111	10,572	10,317	10,317	10,317	10,317	10,317	10,317	10,317	10,317	10,572	11,111	12,676	11,345				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	5,274	20,044	19,968	20,169	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,169	19,968	20,044	5,274				
SW Only	Account - No Growth	-	63	16	14	28	29	29	29	29	29	29	29	29	28	14	16	63				
Discount PHA																						
Water & Sewer	Account - No Growth	-	5,274	4,586	4,484	4,359	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,359	4,484	4,586	5,274				
SW Only	Account - No Growth	-	63	273	227	189	181	181	181	181	181	181	181	181	189	227	273	63				
City Owned																						
Water & Sewer	Account - No Growth	-	-	134	113	98	114	114	114	114	114	114	114	114	98	113	134	included above				
SW Only	Account - No Growth	-	-	58	21	22	22	22	22	22	22	22	22	22	22	21	58	-				
Subtotal		-	462,826	460,229	460,647	461,484	461,740	461,740	461,740	461,740	461,740	461,740	461,740	461,740	461,484	460,647	460,229	462,826	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	39,056	37,742	37,662	37,708	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,708	37,662	37,742	39,056				
SW Only	Account - No Growth	-	21,944	38,615	38,390	37,734	37,227	37,227	37,227	37,227	37,227	37,227	37,227	37,227	37,734	38,390	38,615	21,944				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	4,072	2,801	2,792	2,776	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,776	2,792	2,801	4,072				
SW Only	Account - No Growth	-	275	273	283	309	304	304	304	304	304	304	304	304	309	283	273	275				
Discount PHA																						
Water & Sewer	Account - No Growth	-	4,072	1,138	1,134	1,520	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,520	1,134	1,138	4,072				
SW Only	Account - No Growth	-	275	981	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	982	973	981	275				
City Owned																						
Water & Sewer	Account - No Growth	-	-	764	776	778	778	778	778	778	778	778	778	778	778	776	764	included above				
SW Only	Account - No Growth	-	-	714	518	532	536	536	536	536	536	536	536	536	532	518	714	-				
Subtotal		-	69,694	83,028	82,528	82,339	81,859	81,859	81,859	81,859	81,859	81,859	81,859	81,859	82,339	82,528	83,028	69,694	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	3,547	3,254	3,348	3,448	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,448	3,348	3,254	3,547				
SW Only	Account - No Growth	-	17	35	28	24	29	29	29	29	29	29	29	29	24	28	35	17				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	4	410	456	474	487	487	487	487	487	487	487	487	474	456	410	4				
SW Only	Account - No Growth	-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-				
Discount PHA																						
Water & Sewer	Account - No Growth	-	4	-	1	1	1	1	1	1	1	1	1	1	1	1	-	4				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
City Owned																						
Water & Sewer	Account - No Growth	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	included above				
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-					
Subtotal		-	3,572	3,702	3,837	3,951	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	3,951	3,837	3,702	3,572	-	-	-	-
Total		-	536,092	546,959	547,012	547,774	547,645	547,645	547,645	547,645	547,645	547,645	547,645	547,645	547,774	547,012	546,959	536,092	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	Escalation	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2015	2014	2013	2012	2011	2010	2009	2008	2007
Accounts - Exemptions																						
Residential														The FY 2015 number used for projection is average of FY 2014 and FY 2015 (9 months)								
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	17	18	25	24	24	24	24	24	24	24	24	25	18	17					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal		-	-	17	18	25	24	24	24	24	24	24	24	24	25	18	17	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	371	350	357	352	352	352	352	352	352	352	352	352	352	357	350	371				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal		-	371	350	357	352	352	352	352	352	352	352	352	352	352	357	350	371	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	371	367	375	377	376	376	376	376	376	376	376	376	377	375	367	371	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Accounts - After Exemptions																						
Residential																						
Non-Discount																						
Water & Sewer		-	440,807	422,442	424,709	426,047	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	426,047	424,709	422,442	440,807	-	-	-	-
SW Only		-	11,345	12,659	11,093	10,547	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,547	11,093	12,659	11,345	-	-	-	-
Discount Non-PHA																						
Water & Sewer		-	5,274	20,044	19,968	20,169	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,169	19,968	20,044	5,274	-	-	-	-
SW Only		-	63	16	14	28	29	29	29	29	29	29	29	29	28	14	16	63	-	-	-	-
Discount PHA																						
Water & Sewer		-	5,274	4,586	4,484	4,359	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,359	4,484	4,586	5,274	-	-	-	-
SW Only		-	63	273	227	189	181	181	181	181	181	181	181	181	189	227	273	63	-	-	-	-
City Owned																						
Water & Sewer		-	-	134	113	98	114	114	114	114	114	114	114	114	98	113	134	-	-	-	-	-
SW Only		-	-	58	21	22	22	22	22	22	22	22	22	22	22	21	58	-	-	-	-	-
Subtotal		-	462,826	460,212	460,629	461,459	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,459	460,629	460,212	462,826	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer		-	39,056	37,742	37,662	37,708	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,708	37,662	37,742	39,056	-	-	-	-
SW Only		-	21,573	38,265	38,033	37,382	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	37,382	38,033	38,265	21,573	-	-	-	-
Discount Non-PHA																						
Water & Sewer		-	4,072	2,801	2,792	2,776	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,776	2,792	2,801	4,072	-	-	-	-
SW Only		-	275	273	283	309	304	304	304	304	304	304	304	304	309	283	273	275	-	-	-	-
Discount PHA																						
Water & Sewer		-	4,072	1,138	1,134	1,520	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,520	1,134	1,138	4,072	-	-	-	-
SW Only		-	275	981	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	982	973	981	275	-	-	-	-
City Owned																						
Water & Sewer		-	-	764	776	778	778	778	778	778	778	778	778	778	778	776	764	-	-	-	-	-
SW Only		-	-	714	518	532	536	536	536	536	536	536	536	536	532	518	714	-	-	-	-	-
Subtotal		-	69,323	82,678	82,171	81,987	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,987	82,171	82,678	69,323	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer		-	3,547	3,254	3,348	3,448	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,448	3,348	3,254	3,547	-	-	-	-
SW Only		-	17	35	28	24	29	29	29	29	29	29	29	29	24	28	35	17	-	-	-	-
Discount Non-PHA																						
Water & Sewer		-	4	410	456	474	487	487	487	487	487	487	487	487	474	456	410	4	-	-	-	-
SW Only		-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
Discount PHA																						
Water & Sewer		-	4	-	1	1	1	1	1	1	1	1	1	1	1	1	-	4	-	-	-	-
SW Only		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Owned																						
Water & Sewer		-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-
SW Only		-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Subtotal		-	3,572	3,702	3,837	3,951	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	3,951	3,837	3,702	3,572	-	-	-	-
Total		-	535,721	546,592	546,637	547,397	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,397	546,637	546,592	535,721	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Initial Impervious Area	Factored by 1000												**Customer - 27**
Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	466,107	447,516	448,838	449,589	448,928	445,944	445,944	445,944	445,944	445,944	445,944
SW Only	Account - No Growth	-	9,249	10,317	9,277	8,764	8,325	10,824	10,824	10,824	10,824	10,824	10,824
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	4,452	20,594	20,545	20,836	21,836	21,784	21,784	21,784	21,784	21,784	21,784
SW Only	Account - No Growth	-	54	22	19	44	48	30	30	30	30	30	30
Discount PHA													
Water & Sewer	Account - No Growth	-	-	3,144	3,080	3,002	2,971	4,423	4,423	4,423	4,423	4,423	4,423
SW Only	Account - No Growth	-	-	179	146	123	110	190	190	190	190	190	190
City Owned													
Water & Sewer	Account - No Growth	-	-	116	99	89	115	107	107	107	107	107	107
SW Only	Account - No Growth	-	-	31	15	12	12	23	23	23	23	23	23
Subtotal		-	479,862	481,919	482,019	482,459	482,345	483,325	483,325	483,325	483,325	483,325	483,325
Non-Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	514,464	446,581	446,996	452,982	453,495	453,432	453,432	453,432	453,432	453,432	453,432
SW Only	Account - No Growth	-	84,072	90,976	90,505	87,440	83,121	85,261	85,261	85,261	85,261	85,261	85,261
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	97,068	89,703	89,793	91,450	89,888	90,709	90,709	90,709	90,709	90,709	90,709
SW Only	Account - No Growth	-	3,471	4,244	4,040	3,699	3,860	3,787	3,787	3,787	3,787	3,787	3,787
Discount PHA													
Water & Sewer	Account - No Growth	-	-	5,850	5,837	6,433	6,423	6,771	6,771	6,771	6,771	6,771	6,771
SW Only	Account - No Growth	-	-	1,454	1,075	1,106	1,170	1,141	1,141	1,141	1,141	1,141	1,141
City Owned													
Water & Sewer	Account - No Growth	-	-	65,308	65,863	66,077	66,159	66,228	66,228	66,228	66,228	66,228	66,228
SW Only	Account - No Growth	-	-	10,447	7,625	7,588	7,903	7,744	7,744	7,744	7,744	7,744	7,744
Subtotal		-	699,076	714,563	711,734	716,775	712,019	715,073	715,073	715,073	715,073	715,073	715,073
Condominiums													
Non-Discount													
Water & Sewer	Account - No Growth	-	14,605	14,134	14,692	14,769	17,845	16,289	16,289	16,289	16,289	16,289	16,289
SW Only	Account - No Growth	-	67	126	146	111	262	184	184	184	184	184	184
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	161	894	911	845	865	872	872	872	872	872	872
SW Only	Account - No Growth	-	-	-	-	21	21	21	21	21	21	21	21
Discount PHA													
Water & Sewer	Account - No Growth	-	-	-	6	6	6	6	6	6	6	6	6
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
City Owned													
Water & Sewer	Account - No Growth	-	-	16	16	16	16	16	16	16	16	16	16
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-
Subtotal		-	14,833	15,170	15,772	15,768	19,015	17,388	17,388	17,388	17,388	17,388	17,388
Total		-	1,193,771	1,211,652	1,209,525	1,215,002	1,213,379	1,215,786	1,215,786	1,215,786	1,215,786	1,215,786	1,215,786
Check						67,345	77,741						

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Initial Impervious Area									**Customer - 27**
Residential									
Non-Discount									
Water & Sewer	448,928	449,589	448,838	447,516	466,107				
SW Only	8,325	8,764	9,277	10,317	9,249				
Discount Non-PHA									
Water & Sewer	21,836	20,836	20,545	20,594	4,452				
SW Only	48	44	19	22	54				
Discount PHA									
Water & Sewer	2,971	3,002	3,080	3,144	included above				
SW Only	110	123	146	179					
City Owned				-					
Water & Sewer	115	89	99	116	included above				
SW Only	12	12	15	31					
Subtotal	482,345	482,459	482,019	481,919	479,862	-	-	-	-
Non-Residential									
Non-Discount									
Water & Sewer	453,495	452,982	446,996	446,581	514,464				
SW Only	83,121	87,440	90,505	90,976	84,072				
Discount Non-PHA									
Water & Sewer	89,888	91,450	89,793	89,703	97,068				
SW Only	3,860	3,699	4,040	4,244	3,471				
Discount PHA									
Water & Sewer	6,423	6,433	5,837	5,850	included above				
SW Only	1,170	1,106	1,075	1,454					
City Owned									
Water & Sewer	66,159	66,077	65,863	65,308	included above				
SW Only	7,903	7,588	7,625	10,447					
Subtotal	712,019	716,775	711,734	714,563	699,076	-	-	-	-
Condominiums									
Non-Discount									
Water & Sewer	17,845	14,769	14,692	14,134	14,605				
SW Only	262	111	146	126	67				
Discount Non-PHA									
Water & Sewer	865	845	911	894	161				
SW Only	21	21	-	-	-				
Discount PHA									
Water & Sewer	6	6	6	-	-				
SW Only	-	-	-	-	-				
City Owned									
Water & Sewer	16	16	16	16	-				
SW Only	-	-	1	-	-				
Subtotal	19,015	15,768	15,772	15,170	14,833	-	-	-	-
Total	1,213,379	1,215,002	1,209,525	1,211,652	1,193,771	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Deductions: Impervious Area Credits	Factored by 1000												**Customer - 28**									**Customer - 28**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	41,453	41,301	44,987	53,924	60,705	66,884	73,187	79,902	86,693	93,570	53,924	44,987	41,301	41,453					
SW Only	Account - No Growth	-	-	6,807	9,847	9,851	9,887	11,586	12,765	13,969	15,250	16,546	17,859	9,887	9,851	9,847	6,807					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	2,699	3,299	4,538	4,577	5,175	5,702	6,239	6,812	7,391	7,977	4,577	4,538	3,299	2,699					
SW Only	Account - No Growth	-	-	-	1	1	94	116	127	139	152	165	178	94	1	1	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	5,390	6,670	7,120	7,226	8,671	9,550	10,447	11,402	12,368	13,346	7,226	7,120	6,670	5,390					
SW Only	Account - No Growth	-	-	2,355	-	-	-	-	-	-	-	-	-	-	-	-	2,355					
Subtotal		-	-	58,706	61,119	66,495	75,708	86,253	95,028	103,981	113,517	123,162	132,929	75,708	66,495	61,119	58,706	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	239	361	613	1,796	2,365	2,606	2,852	3,113	3,378	3,646	1,796	613	361	239					
SW Only	Account - No Growth	-	-	-	-	-	-	71	78	86	94	102	110	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	237	237	237	237	267	294	322	351	381	411	237	237	237	237					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	476	598	850	2,032	2,703	2,978	3,259	3,558	3,860	4,167	2,032	850	598	476	-	-	-	-	-
Total		-	-	59,181	61,716	67,345	77,741	88,956	98,007	107,240	117,075	127,023	137,096	77,741	67,345	61,716	59,181	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Deductions: Impervious Area Appeals	Factored by 1000												**Customer - 29**									**Customer - 29**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	4,617	4,315	1,498	808	978	1,878	2,725	3,528	4,292	5,017	808	1,498	4,315	4,617					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	4,617	4,315	1,498	808	978	1,878	2,725	3,528	4,292	5,017	808	1,498	4,315	4,617	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	4,617	4,315	1,498	808	978	1,878	2,725	3,528	4,292	5,017	808	1,498	4,315	4,617	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Deductions: IA Exemptions (sf)	Factored by 1000												**Customer - 30**									**Customer - 30**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	339	406	479	520	35	68	99	128	155	182	520	479	406	339					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	339	406	479	520	35	68	99	128	155	182	520	479	406	339	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-									
SW Only	Account - No Growth	-	-	8,859	8,980	8,982	9,770	(19)	(38)	(57)	(76)	(95)	(114)	9,770	8,982	8,980	8,859					
Subtotal		-	-	8,859	8,980	8,982	9,770	(19)	(38)	(57)	(76)	(95)	(114)	9,770	8,982	8,980	8,859	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	9,198	9,386	9,461	10,290	16	30	42	52	60	68	10,290	9,461	9,386	9,198	-	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Final Impervious Area													**Customer - 31**
Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	466,107	447,516	448,838	449,589	448,928	445,944	445,944	445,944	445,944	445,944	445,944
SW Only	Account - No Growth	-	9,249	10,317	9,277	8,764	8,325	10,789	10,756	10,725	10,696	10,669	10,642
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	4,452	20,594	20,545	20,836	21,836	21,784	21,784	21,784	21,784	21,784	21,784
SW Only	Account - No Growth	-	54	22	19	44	48	30	30	30	30	30	30
Discount PHA													
Water & Sewer	Account - No Growth	-	-	3,144	3,080	3,002	2,971	4,423	4,423	4,423	4,423	4,423	4,423
SW Only	Account - No Growth	-	-	179	146	123	110	190	190	190	190	190	190
City Owned													
Water & Sewer	Account - No Growth	-	-	116	99	89	115	107	107	107	107	107	107
SW Only	Account - No Growth	-	-	31	15	12	12	23	23	23	23	23	23
Subtotal		-	479,862	481,919	482,019	482,459	482,345	483,290	483,257	483,226	483,197	483,170	483,143
Non-Residential													
Non-Discount													
Water & Sewer	Account - No Growth	-	514,464	405,128	405,695	407,995	399,571	391,749	384,670	377,520	370,002	362,447	354,845
SW Only	Account - No Growth	-	84,072	84,169	80,658	77,589	73,234	73,675	72,496	71,292	70,011	68,715	67,402
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	97,068	87,004	86,494	86,912	85,311	85,534	85,007	84,470	83,897	83,318	82,732
SW Only	Account - No Growth	-	3,471	4,244	4,039	3,698	3,766	3,671	3,660	3,648	3,635	3,622	3,609
Discount PHA													
Water & Sewer	Account - No Growth	-	-	5,850	5,837	6,433	6,423	6,771	6,771	6,771	6,771	6,771	6,771
SW Only	Account - No Growth	-	-	1,454	1,075	1,106	1,170	1,141	1,141	1,141	1,141	1,141	1,141
City Owned													
Water & Sewer	Account - No Growth	-	-	59,918	59,193	58,957	58,933	57,557	56,678	55,781	54,826	53,860	52,882
SW Only	Account - No Growth	-	-	8,092	7,625	7,588	7,903	7,763	7,782	7,801	7,820	7,839	7,858
Subtotal		-	699,076	655,857	650,615	650,280	636,311	627,861	618,205	608,424	598,104	587,714	577,241
Condominiums													
Non-Discount													
Water & Sewer	Account - No Growth	-	14,605	13,895	14,331	14,156	16,049	13,923	13,683	13,437	13,175	12,911	12,643
SW Only	Account - No Growth	-	67	126	146	111	262	113	106	98	91	83	75
Discount Non-PHA													
Water & Sewer	Account - No Growth	-	161	657	674	608	628	606	579	551	521	492	461
SW Only	Account - No Growth	-	-	-	-	21	21	21	21	21	21	21	21
Discount PHA													
Water & Sewer	Account - No Growth	-	-	-	6	6	6	6	6	6	6	6	6
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-
City Owned													
Water & Sewer	Account - No Growth	-	-	16	16	16	16	16	16	16	16	16	16
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-
Subtotal		-	14,833	14,694	15,174	14,918	16,983	14,685	14,409	14,129	13,830	13,527	13,221
Total		-	1,193,771	1,152,471	1,147,809	1,147,657	1,135,638	1,125,835	1,115,871	1,105,779	1,095,130	1,084,411	1,073,605

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Final Impervious Area									**Customer - 31**
Residential									
Non-Discount									
Water & Sewer	448,928	449,589	448,838	447,516	466,107	-	-	-	-
SW Only	8,325	8,764	9,277	10,317	9,249	-	-	-	-
Discount Non-PHA									
Water & Sewer	21,836	20,836	20,545	20,594	4,452	-	-	-	-
SW Only	48	44	19	22	54	-	-	-	-
Discount PHA									
Water & Sewer	2,971	3,002	3,080	3,144	-	-	-	-	-
SW Only	110	123	146	179	-	-	-	-	-
City Owned									
Water & Sewer	115	89	99	116	-	-	-	-	-
SW Only	12	12	15	31	-	-	-	-	-
Subtotal	482,345	482,459	482,019	481,919	479,862	-	-	-	-
Non-Residential									
Non-Discount									
Water & Sewer	399,571	407,995	405,695	405,128	514,464	-	-	-	-
SW Only	73,234	77,589	80,658	84,169	84,072	-	-	-	-
Discount Non-PHA									
Water & Sewer	85,311	86,912	86,494	87,004	97,068	-	-	-	-
SW Only	3,766	3,698	4,039	4,244	3,471	-	-	-	-
Discount PHA									
Water & Sewer	6,423	6,433	5,837	5,850	-	-	-	-	-
SW Only	1,170	1,106	1,075	1,454	-	-	-	-	-
City Owned									
Water & Sewer	58,933	58,957	59,193	59,918	-	-	-	-	-
SW Only	7,903	7,588	7,625	8,092	-	-	-	-	-
Subtotal	636,311	650,280	650,615	655,857	699,076	-	-	-	-
Condominiums									
Non-Discount									
Water & Sewer	16,049	14,156	14,331	13,895	14,605	-	-	-	-
SW Only	262	111	146	126	67	-	-	-	-
Discount Non-PHA									
Water & Sewer	628	608	674	657	161	-	-	-	-
SW Only	21	21	-	-	-	-	-	-	-
Discount PHA									
Water & Sewer	6	6	6	-	-	-	-	-	-
SW Only	-	-	-	-	-	-	-	-	-
City Owned									
Water & Sewer	16	16	16	16	-	-	-	-	-
SW Only	-	-	1	-	-	-	-	-	-
Subtotal	16,983	14,918	15,174	14,694	14,833	-	-	-	-
Total	1,135,638	1,147,657	1,147,809	1,152,471	1,193,771	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Initial Gross Area	Factored by 1000												**Customer - 32**									**Customer - 32**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	933,952	901,285	904,048	905,532	904,984	896,136	896,136	896,136	896,136	896,136	896,136	904,984	905,532	904,048	901,285	933,952				
SW Only	Account - No Growth	-	19,591	21,495	20,013	19,002	18,260	21,752	21,752	21,752	21,752	21,752	21,752	18,260	19,002	20,013	21,495	19,591				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	8,537	38,757	38,539	39,330	40,931	43,776	43,776	43,776	43,776	43,776	43,776	40,931	39,330	38,539	38,757	8,537				
SW Only	Account - No Growth	-	113	57	55	105	104	61	61	61	61	61	61	104	105	55	57	113				
Discount PHA																						
Water & Sewer	Account - No Growth	-	8,537	5,031	4,923	4,805	4,814	8,887	8,887	8,887	8,887	8,887	8,887	4,814	4,805	4,923	5,031	8,537				
SW Only	Account - No Growth	-	113	303	248	213	207	382	382	382	382	382	382	207	213	248	303	113				
City Owned																						
Water & Sewer	Account - No Growth	-	-	210	175	158	192	215	215	215	215	215	215	192	158	175	210	included above				
SW Only	Account - No Growth	-	-	61	22	26	23	46	46	46	46	46	46	23	26	22	61					
Subtotal		-	970,842	967,199	968,021	969,170	969,514	971,256	971,256	971,256	971,256	971,256	971,256	969,514	969,170	968,021	967,199	970,842	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	1,023,922	747,895	723,403	721,477	714,560	719,277	719,277	719,277	719,277	719,277	719,277	714,560	721,477	723,403	747,895	1,023,922				
SW Only	Account - No Growth	-	292,590	266,815	262,780	261,848	256,039	257,775	257,775	257,775	257,775	257,775	257,775	256,039	261,848	262,780	266,815	292,590				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	181,624	169,990	171,436	177,220	176,081	175,624	175,624	175,624	175,624	175,624	175,624	176,081	177,220	171,436	169,990	181,624				
SW Only	Account - No Growth	-	6,922	6,766	6,669	6,392	5,952	6,499	6,499	6,499	6,499	6,499	6,499	5,952	6,392	6,669	6,766	6,922				
Discount PHA																						
Water & Sewer	Account - No Growth	-	181,624	12,158	12,045	12,861	12,780	13,562	13,562	13,562	13,562	13,562	13,562	12,780	12,861	12,045	12,158	181,624				
SW Only	Account - No Growth	-	6,922	4,295	4,311	4,317	4,440	4,416	4,416	4,416	4,416	4,416	4,416	4,440	4,317	4,311	4,295	6,922				
City Owned																						
Water & Sewer	Account - No Growth	-	-	218,106	219,387	218,665	222,227	220,810	220,810	220,810	220,810	220,810	220,810	222,227	218,665	219,387	218,106	included above				
SW Only	Account - No Growth	-	-	56,634	48,838	49,420	51,458	50,715	50,715	50,715	50,715	50,715	50,715	51,458	49,420	48,838	56,634					
Subtotal		-	1,693,603	1,482,660	1,448,869	1,452,201	1,443,537	1,448,678	1,448,678	1,448,678	1,448,678	1,448,678	1,448,678	1,443,537	1,452,201	1,448,869	1,482,660	1,693,603	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	22,771	21,785	22,320	22,289	24,774	24,201	24,201	24,201	24,201	24,201	24,201	24,774	22,289	22,320	21,785	22,771				
SW Only	Account - No Growth	-	86	163	173	134	462	289	289	289	289	289	289	462	134	173	163	86				
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	200	1,813	1,828	1,797	1,819	1,846	1,846	1,846	1,846	1,846	1,846	1,819	1,797	1,828	1,813	200				
SW Only	Account - No Growth	-	-	-	-	25	25	25	25	25	25	25	25	25	25	-	-	-				
Discount PHA																						
Water & Sewer	Account - No Growth	-	200	-	9	9	9	9	9	9	9	9	9	9	9	9	-	200				
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
City Owned																						
Water & Sewer	Account - No Growth	-	-	17	17	17	17	17	17	17	17	17	17	17	17	17	17	included above				
SW Only	Account - No Growth	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-					
Subtotal		-	23,257	23,778	24,349	24,271	27,107	26,388	26,388	26,388	26,388	26,388	26,388	27,107	24,271	24,349	23,778	23,257	-	-	-	-
Total		-	2,687,702	2,473,637	2,441,240	2,445,642	2,440,158	2,446,322	2,446,322	2,446,322	2,446,322	2,446,322	2,446,322	2,440,158	2,445,642	2,441,240	2,473,637	2,687,702	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Deductions: Gross Area Credits	Factored by 1000												**Customer - 33**									**Customer - 33**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	92,993	102,837	115,706	113,965	126,961	134,951	142,990	151,277	159,563	167,850	113,965	115,706	102,837	92,993					
SW Only	Account - No Growth	-	-	49,346	55,305	61,653	60,340	63,726	67,736	71,771	75,931	80,090	84,250	60,340	61,653	55,305	49,346					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	36,687	25,348	30,399	29,943	32,005	34,019	36,046	38,135	40,224	42,313	29,943	30,399	25,348	36,687					
SW Only	Account - No Growth	-	-	-	68	184	294	258	275	291	308	325	342	294	184	68	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	336	336	336	258	275	291	308	325	342	336	336	336	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	5,939	17,715	23,771	24,330	29,684	31,535	33,398	35,319	37,239	39,159	24,330	23,771	17,715	5,939					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	184,965	201,609	232,050	229,209	252,892	268,791	284,787	301,276	317,766	334,255	229,209	232,050	201,609	184,965	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	317	1,239	1,834	3,604	4,908	5,217	5,528	5,848	6,168	6,489	3,604	1,834	1,239	317					
SW Only	Account - No Growth	-	-	-	-	-	-	258	275	291	308	325	342	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	916	354	391	391	517	549	582	616	649	683	391	391	354	916					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	1,233	1,593	2,225	3,995	5,683	6,041	6,400	6,771	7,142	7,513	3,995	2,225	1,593	1,233	-	-	-	-	-
Total		-	-	186,198	203,202	234,275	233,204	258,575	274,832	291,188	308,048	324,908	341,768	233,204	234,275	203,202	186,198	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	Escalation	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2015	2014	2013	2012	2011	2010	2009	2008	2007
Deductions: Gross Area Appeals (sf)	Factored by 1000												**Customer - 34**									**Customer - 34**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	5,258	570	385	2,777	1,113	2,136	3,098	4,012	4,881	5,705	2,777	385	570	5,258					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	5,258	570	385	2,777	1,113	2,136	3,098	4,012	4,881	5,705	2,777	385	570	5,258	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	5,258	570	385	2,777	1,113	2,136	3,098	4,012	4,881	5,705	2,777	385	570	5,258	-	-	-	-	-

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Deductions: GA Exemptions (sf)	Factored by 1000												**Customer - 35**									**Customer - 35**
Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	5,016	5,516	6,026	6,551	444	853	1,237	1,602	1,948	2,278	6,551	6,026	5,516	5,016					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	5,016	5,516	6,026	6,551	444	853	1,237	1,602	1,948	2,278	6,551	6,026	5,516	5,016	-	-	-	-	-
Non-Residential																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	70,563	70,729	69,743	72,415	-	-	-	-	-	-	72,415	69,743	70,729	70,563					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	(142)	(285)	(427)	(569)	(712)	(854)	-	-	-	-					
Subtotal		-	-	70,563	70,729	69,743	72,415	(142)	(285)	(427)	(569)	(712)	(854)	72,415	69,743	70,729	70,563	-	-	-	-	-
Condominiums																						
Non-Discount																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount Non-PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Discount PHA																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
City Owned																						
Water & Sewer	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SW Only	Account - No Growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	75,578	76,245	75,769	78,966	302	568	810	1,033	1,236	1,424	78,966	75,769	76,245	75,578	-	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Final Gross Area (sf)	Factored by 1000												**Customer - 36**
Residential													
Non-Discount													
Water & Sewer		-	933,952	901,285	904,048	905,532	904,984	896,136	896,136	896,136	896,136	896,136	896,136
SW Only		-	19,591	21,495	20,013	19,002	18,260	21,308	20,899	20,515	20,150	19,804	19,474
Discount Non-PHA													
Water & Sewer		-	8,537	38,757	38,539	39,330	40,931	43,776	43,776	43,776	43,776	43,776	43,776
SW Only		-	113	57	55	105	104	61	61	61	61	61	61
Discount PHA													
Water & Sewer		-	8,537	5,031	4,923	4,805	4,814	8,887	8,887	8,887	8,887	8,887	8,887
SW Only		-	113	303	248	213	207	382	382	382	382	382	382
City Owned													
Water & Sewer		-	-	210	175	158	192	215	215	215	215	215	215
SW Only		-	-	61	22	26	23	46	46	46	46	46	46
Subtotal		-	970,842	967,199	968,021	969,170	969,514	970,812	970,403	970,019	969,654	969,308	968,978
Non-Residential													
Non-Discount													
Water & Sewer		-	1,023,922	654,902	620,566	605,771	600,595	591,203	582,190	573,189	563,988	554,832	545,722
SW Only		-	292,590	217,470	207,476	200,196	195,699	194,049	190,039	186,004	181,844	177,685	173,526
Discount Non-PHA													
Water & Sewer		-	181,624	133,303	146,087	146,821	146,138	143,619	141,605	139,578	137,489	135,400	133,311
SW Only		-	6,922	6,766	6,601	6,208	5,658	6,241	6,224	6,208	6,191	6,174	6,157
Discount PHA													
Water & Sewer		-	181,624	12,158	11,709	12,525	12,444	13,304	13,288	13,271	13,254	13,237	13,221
SW Only		-	6,922	4,295	4,311	4,317	4,440	4,416	4,416	4,416	4,416	4,416	4,416
City Owned													
Water & Sewer		-	-	212,168	201,672	194,894	197,897	191,126	189,275	187,412	185,491	183,571	181,650
SW Only		-	-	56,634	48,838	49,420	51,458	50,857	51,000	51,142	51,284	51,427	51,569
Subtotal		-	1,693,603	1,297,695	1,247,261	1,220,151	1,214,328	1,194,815	1,178,036	1,161,220	1,143,959	1,126,743	1,109,572
Condominiums													
Non-Discount													
Water & Sewer		-	22,771	21,467	21,081	20,454	21,170	19,293	18,985	18,674	18,353	18,033	17,713
SW Only		-	86	163	173	134	462	31	14	(2)	(19)	(36)	(53)
Discount Non-PHA													
Water & Sewer		-	200	897	1,474	1,406	1,428	1,330	1,297	1,264	1,231	1,197	1,163
SW Only		-	-	-	-	25	25	25	25	25	25	25	25
Discount PHA													
Water & Sewer		-	200	-	9	9	9	9	9	9	9	9	9
SW Only		-	-	-	-	-	-	-	-	-	-	-	-
City Owned													
Water & Sewer		-	-	17	17	17	17	17	17	17	17	17	17
SW Only		-	-	-	1	-	-	-	-	-	-	-	-
Subtotal		-	23,257	22,545	22,756	22,045	23,111	20,705	20,347	19,987	19,616	19,245	18,875
Total		-	2,687,702	2,287,438	2,238,038	2,211,367	2,206,954	2,186,332	2,168,786	2,151,226	2,133,229	2,115,297	2,097,425
									(17,546)	(17,560)	(17,997)	(17,932)	(17,872)

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Final Gross Area (sf)									**Customer - 36**
Residential									
Non-Discount									
Water & Sewer	904,984	905,532	904,048	901,285	933,952	-	-	-	-
SW Only	18,260	19,002	20,013	21,495	19,591	-	-	-	-
Discount Non-PHA									
Water & Sewer	40,931	39,330	38,539	38,757	8,537	-	-	-	-
SW Only	104	105	55	57	113	-	-	-	-
Discount PHA									
Water & Sewer	4,814	4,805	4,923	5,031	8,537	-	-	-	-
SW Only	207	213	248	303	113	-	-	-	-
City Owned									
Water & Sewer	192	158	175	210	-	-	-	-	-
SW Only	23	26	22	61	-	-	-	-	-
Subtotal	969,514	969,170	968,021	967,199	970,842	-	-	-	-
Non-Residential									
Non-Discount									
Water & Sewer	600,595	605,771	620,566	654,902	1,023,922	-	-	-	-
SW Only	195,699	200,196	207,476	217,470	292,590	-	-	-	-
Discount Non-PHA									
Water & Sewer	146,138	146,821	146,087	133,303	181,624	-	-	-	-
SW Only	5,658	6,208	6,601	6,766	6,922	-	-	-	-
Discount PHA									
Water & Sewer	12,444	12,525	11,709	12,158	181,624	-	-	-	-
SW Only	4,440	4,317	4,311	4,295	6,922	-	-	-	-
City Owned									
Water & Sewer	197,897	194,894	201,672	212,168	-	-	-	-	-
SW Only	51,458	49,420	48,838	56,634	-	-	-	-	-
Subtotal	1,214,328	1,220,151	1,247,261	1,297,695	1,693,603	-	-	-	-
Condominiums									
Non-Discount									
Water & Sewer	21,170	20,454	21,081	21,467	22,771	-	-	-	-
SW Only	462	134	173	163	86	-	-	-	-
Discount Non-PHA									
Water & Sewer	1,428	1,406	1,474	897	200	-	-	-	-
SW Only	25	25	-	-	-	-	-	-	-
Discount PHA									
Water & Sewer	9	9	9	-	200	-	-	-	-
SW Only	-	-	-	-	-	-	-	-	-
City Owned									
Water & Sewer	17	17	17	17	-	-	-	-	-
SW Only	-	-	1	-	-	-	-	-	-
Subtotal	23,111	22,045	22,756	22,545	23,257	-	-	-	-
Total	2,206,954	2,211,367	2,238,038	2,287,438	2,687,702	-	-	-	-

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Stormwater - Existing Rates													**Customer - 37**									**Customer - 37**
Actual Rate																						
Service Charge Based Rates ($/bill) [Including Billing & Collection Charge]																						
5/8"		13.22	13.48	13.66	12.29	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	13.58	12.29	13.66	13.48	13.22			
3/4"		70.17	72.79	74.72	86.03	82.56	82.56	82.56	82.56	82.56	82.56	82.56	82.56	82.56	82.56	86.03	74.72	72.79	70.17			
1"		115.58	119.91	123.06	142.20	136.42	136.42	136.42	136.42	136.42	136.42	136.42	136.42	136.42	136.42	142.20	123.06	119.91	115.58			
1 1/4"		174.53	181.08	185.81	215.21	206.41	206.41	206.41	206.41	206.41	206.41	206.41	206.41	206.41	206.41	215.21	185.81	181.08	174.53			
1 1/2"		228.74	237.33	243.51	282.62	271.04	271.04	271.04	271.04	271.04	271.04	271.04	271.04	271.04	271.04	282.62	243.51	237.33	228.74			
2"		364.98	378.67	388.52	451.12	432.59	432.59	432.59	432.59	432.59	432.59	432.59	432.59	432.59	432.59	451.12	388.52	378.67	364.98			
3"		682.35	707.99	726.36	844.30	809.53	809.53	809.53	809.53	809.53	809.53	809.53	809.53	809.53	809.53	844.30	726.36	707.99	682.35			
4"		1,138.85	1,181.65	1,212.33	1,405.97	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,348.04	1,405.97	1,212.33	1,181.65	1,138.85			
6"		2,275.29	2,360.82	2,422.05	2,810.17	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,694.27	2,810.17	2,422.05	2,360.82	2,275.29			
8"		3,637.57	3,774.31	3,872.17	4,495.21	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,309.78	4,495.21	3,872.17	3,774.31	3,637.57			
10"		5,230.51	5,427.13	5,567.85	6,461.07	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,194.53	6,461.07	5,567.85	5,427.13	5,230.51			
12"		9,759.34	10,126.37	10,388.56	12,077.86	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	11,579.52	12,077.86	10,388.56	10,126.37	9,759.34			
14"		-	-	-	-	-	-	-	-	-	-	-	-									
Parcel Area Based Rates																						
Billing & Collection Charge ($/bill)																						
Residential		2.42	2.49	2.60	1.59	1.65	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.65	1.59	2.60	2.49	2.42			
Non-Residential		2.46	2.53	2.65	1.98	2.15	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.15	1.98	2.65	2.53	2.46			
Condominium		2.46	2.53	2.65	1.98	2.15	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.15	1.98	2.65	2.53	2.46			
IA/GA Charges																						
Residential IA/GA Charge ($/bill)		10.80	10.99	11.06	10.51	11.80	12.46	12.46	12.46	12.46	12.46	12.46	12.46	12.46	11.80	10.51	11.06	10.99	10.80			
IA Rate ($/500 sf)																						
Non-Residential		4.077	4.145	4.169	4.001	4.497	4.746	4.746	4.746	4.746	4.746	4.746	4.746	4.746	4.497	4.001	4.169	4.145	4.077			
Condominium		4.077	4.145	4.169	4.001	4.497	4.746	4.746	4.746	4.746	4.746	4.746	4.746	4.746	4.497	4.001	4.169	4.145	4.077			
GA Rate ($/500 sf)																						
Non-Residential		0.516	0.526	0.528	0.500	0.560	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.560	0.500	0.528	0.526	0.516			
Condominium		0.516	0.526	0.528	0.500	0.560	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.560	0.500	0.528	0.526	0.516			

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Effective Rate													
Effective Months													
Service Charge		12.00	12.00	12.00	6.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Volume Charge		11.50	11.50	11.50	5.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
Phase-in													
Meter Based Charges		0%	75%	50%	25%	0%	0%	0%	0%	0%	0%	0%	0%
Parcel Based Charges		0%	25%	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%
Service Charge Based Rates ($/bill)													
5/8"		-	10.11	6.83	3.24	-	-	-	-	-	-	-	-
3/4"		-	54.59	37.36	20.09	-	-	-	-	-	-	-	-
1"		-	89.93	61.53	33.16	-	-	-	-	-	-	-	-
1 1/4"		-	135.81	92.91	50.13	-	-	-	-	-	-	-	-
1 1/2"		-	178.00	121.76	65.77	-	-	-	-	-	-	-	-
2"		-	284.00	194.26	104.96	-	-	-	-	-	-	-	-
3"		-	530.99	363.18	196.33	-	-	-	-	-	-	-	-
4"		-	886.24	606.17	327.29	-	-	-	-	-	-	-	-
6"		-	1,770.62	1,211.03	654.03	-	-	-	-	-	-	-	-
8"		-	2,830.73	1,936.09	1,045.92	-	-	-	-	-	-	-	-
10"		-	4,070.35	2,783.93	1,503.62	-	-	-	-	-	-	-	-
12"		-	7,594.78	5,194.28	2,808.30	-	-	-	-	-	-	-	-
14"		-	-	-	-	-	-	-	-	-	-	-	-
Parcel Area Based Rates													
Effective Billing & Collection Charge ($/bill)													
Residential		-	0.62	1.30	1.57	1.65	1.69	1.69	1.69	1.69	1.69	1.69	1.69
Non-Residential		-	0.63	1.33	1.74	2.15	2.19	2.19	2.19	2.19	2.19	2.19	2.19
Condominium		-	0.63	1.33	1.74	2.15	2.19	2.19	2.19	2.19	2.19	2.19	2.19
Effective IA/GA Charges													
Residential IA/GA Charge ($/bill)		-	2.75	5.53	8.11	11.75	12.43	12.46	12.46	12.46	12.46	12.46	12.46
IA Rate ($/500 sf)													
Non-Residential		1.019	1.036	2.084	3.069	4.476	4.736	4.746	4.746	4.746	4.746	4.746	4.746
Condominium		1.019	1.036	2.084	3.069	4.476	4.736	4.746	4.746	4.746	4.746	4.746	4.746
GA Rate ($/500 sf)													
Non-Residential		0.129	0.131	0.264	0.386	0.558	0.589	0.590	0.590	0.590	0.590	0.590	0.590
Condominium		0.129	0.131	0.264	0.386	0.558	0.589	0.590	0.590	0.590	0.590	0.590	0.590

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Effective Rate									
Effective Months									
Service Charge	12.00	12.00	6.00	12.00	12.00	12.00	8.00	12.00	12.00
Volume Charge	11.50	11.50	5.50	11.50	11.50	11.50	7.50	11.50	11.50
Phase-in									
Meter Based Charges	0%	0%	25%	50%	75%	0%	0%	0%	0%
Parcel Based Charges	100%	100%	75%	50%	25%	0%	0%	0%	0%

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Stormwater - Calculated Billings (prior to adjustment factor)													**Customer - 38**
Service Charge Based Rates ($/bill)													
Senior Citizens													
5/8" Meter		-	1,709	1,177	561	-	-	-	-	-	-	-	-
> 5/8" Meter		-	0	0	0	-	-	-	-	-	-	-	-
Total Senior Citizens		-	1,709	1,177	561	-	-	-	-	-	-	-	-
General Service (Excluding Senior Citizens)													
5/8" Meter		-	52,966	37,039	17,033	-	-	-	-	-	-	-	-
> 5/8" Meter		-	25,673	16,876	8,996	-	-	-	-	-	-	-	-
Total General Service (excluding SC)		-	78,639	53,915	26,029	-	-	-	-	-	-	-	-
General Service (Including Senior Citizens)													
5/8" Meter		-	54,675	38,216	17,594	-	-	-	-	-	-	-	-
> 5/8" Meter		-	25,673	16,876	8,996	-	-	-	-	-	-	-	-
Total General Service (including SC)		-	80,349	55,092	26,591	-	-	-	-	-	-	-	-
PHA		-	1,743	1,177	590	-	-	-	-	-	-	-	-
Charities & Schools		-	6,625	3,867	2,050	-	-	-	-	-	-	-	-
Hospital/University		-	-	1,484	833	-	-	-	-	-	-	-	-
Hand Bill		-	-	1,632	807	-	-	-	-	-	-	-	-
City Leased Properties		-	-	143	65	-	-	-	-	-	-	-	-
Scheduled		-	-	0	0	-	-	-	-	-	-	-	-
City		-	4,545	3,266	1,580	-	-	-	-	-	-	-	-
Fire Service		-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only		-	61	58	40	-	-	-	-	-	-	-	-
Total		-	93,322	66,720	32,555	-	-	-	-	-	-	-	-

Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
								Customer - 38

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Billing & Collection Charges (Accounts)																						
Residential																						
Non-Discount																						
Water & Sewer		-	3,293	6,590	8,008	8,436	8,638	8,638	8,638	8,638	8,638	8,638	8,638									
SW Only		-	85	198	209	209	209	209	209	209	209	209	209									
Discount Non-PHA																						
Water & Sewer		-	30	235	282	300	316	316	316	316	316	316	316									
SW Only		-	0	0	0	0	0	0	0	0	0	0	0									
Discount PHA																						
Water & Sewer		-	37	68	80	82	84	84	84	84	84	84	84									
SW Only		-	0	4	4	4	3	3	3	3	3	3	3									
City Owned																						
Water & Sewer		-	-	2	2	2	2	2	2	2	2	2	2									
SW Only		-	-	1	0	0	0	0	0	0	0	0	0									
Subtotal		-	3,445	7,098	8,587	9,033	9,254	9,254	9,254	9,254	9,254	9,254	9,254									
Non-Residential																						
Non-Discount																						
Water & Sewer		-	296	600	785	973	992	992	992	992	992	992	992									
SW Only		-	167	614	800	974	978	978	978	978	978	978	978									
Discount Non-PHA																						
Water & Sewer		-	23	33	44	54	54	54	54	54	54	54	54									
SW Only		-	2	3	4	6	6	6	6	6	6	6	6									
Discount PHA																						
Water & Sewer		-	29	17	22	37	36	36	36	36	36	36	36									
SW Only		-	2	15	19	24	26	26	26	26	26	26	26									
City Owned																						
Water & Sewer		-	-	12	16	20	20	20	20	20	20	20	20									
SW Only		-	-	11	11	14	14	14	14	14	14	14	14									
Subtotal		-	519	1,306	1,701	2,101	2,128	2,128	2,128	2,128	2,128	2,128	2,128									
Condominiums																						
Non-Discount																						
Water & Sewer		-	27	52	70	89	93	93	93	93	93	93	93									
SW Only		-	0	1	1	1	1	1	1	1	1	1	1									
Discount Non-PHA																						
Water & Sewer		-	0	5	7	9	10	10	10	10	10	10	10									
SW Only		-	-	-	-	0	0	0	0	0	0	0	0									
Discount PHA																						
Water & Sewer		-	0	-	0	0	0	0	0	0	0	0	0									
SW Only		-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer		-	-	0	0	0	0	0	0	0	0	0	0									
SW Only		-	-	-	0	-	-	-	-	-	-	-	-									
Subtotal		-	27	57	78	99	103	103	103	103	103	103	103									
Total		-	3,992	8,461	10,366	11,233	11,485	11,485	11,485	11,485	11,485	11,485	11,485									

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
GA/IA Charges (Parcels)																						
Residential																						
Non-Discount																						
Water & Sewer		-	14,488	27,955	41,199	59,883	63,362	63,502	63,502	63,502	63,502	63,502	63,502									
SW Only		-	374	839	1,080	1,489	1,538	1,527	1,514	1,501	1,489	1,478	1,468									
Discount Non-PHA																						
Water & Sewer		-	127	995	1,453	2,127	2,321	2,327	2,327	2,327	2,327	2,327	2,327									
SW Only		-	2	1	1	3	3	3	3	3	3	3	3									
Discount PHA																						
Water & Sewer		-	-	281	403	568	597	598	598	598	598	598	598									
SW Only		-	-	17	21	25	26	26	26	26	26	26	26									
City Owned																						
Water & Sewer		-	-	8	10	12	15	15	15	15	15	15	15									
SW Only		-	-	4	2	3	3	3	3	3	3	3	3									
Subtotal		-	14,990	30,100	44,169	64,111	67,866	68,002	67,989	67,976	67,964	67,953	67,942									
Non-Residential																						
Non-Discount																						
Water & Sewer		-	16,015	24,412	35,636	51,937	53,900	52,993	52,059	51,117	50,131	49,141	48,146									
SW Only		-	3,012	5,587	7,865	11,014	11,089	11,140	10,948	10,754	10,549	10,343	10,135									
Discount Non-PHA																						
Water & Sewer		-	2,239	3,897	5,794	8,476	8,821	8,832	8,766	8,698	8,627	8,556	8,483									
SW Only		-	81	191	269	360	381	380	379	378	376	375	374									
Discount PHA																						
Water & Sewer		-	544	351	512	816	861	912	911	911	911	911	911									
SW Only		-	21	95	113	168	186	183	183	183	183	183	183									
City Owned																						
Water & Sewer		-	-	4,341	6,230	8,942	9,494	9,262	9,136	9,007	8,871	8,734	8,596									
SW Only		-	-	763	1,015	1,476	1,625	1,604	1,609	1,613	1,617	1,621	1,625									
Subtotal		-	21,912	39,638	57,434	83,189	86,356	85,306	83,991	82,662	81,266	79,863	78,452									
Condominiums																						
Non-Discount																						
Water & Sewer		-	435	831	1,251	1,794	2,123	1,859	1,827	1,795	1,761	1,726	1,691									
SW Only		-	2	7	12	14	36	13	12	11	10	9	8									
Discount Non-PHA																						
Water & Sewer		-	3	29	48	63	69	66	63	60	58	55	52									
SW Only		-	-	-	-	2	2	2	2	2	2	2	2									
Discount PHA																						
Water & Sewer		-	1	-	1	1	1	1	1	1	1	1	1									
SW Only		-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer		-	-	1	1	2	2	2	2	2	2	2	2									
SW Only		-	-	-	0	-	-	-	-	-	-	-	-									
Subtotal		-	441	868	1,313	1,876	2,233	1,943	1,908	1,871	1,833	1,794	1,755									
Total		-	37,342	70,606	102,915	149,176	156,455	155,251	153,887	152,510	151,064	149,611	148,149									

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Parcel Area Based Charges (Billing & Collection + GA/IA)																						
Residential																						
Non-Discount																						
Water & Sewer (5/8" - 2320)		-	17,781	34,545	49,206	68,319	72,000	72,140	72,140	72,140	72,140	72,140	72,140									
SW Only		-	459	1,037	1,290	1,699	1,747	1,736	1,723	1,711	1,699	1,687	1,677									
Discount Non-PHA																						
Water & Sewer (Senior Citizen: 2317)		-	156	1,230	1,735	2,427	2,638	2,643	2,643	2,643	2,643	2,643	2,643									
SW Only		-	2	1	1	3	4	4	4	4	4	4	4									
Discount PHA																						
Water & Sewer		-	37	349	483	650	681	682	682	682	682	682	682									
SW Only		-	0	21	25	29	29	29	29	29	29	29	29									
City Owned																						
Water & Sewer		-	-	10	12	14	18	18	18	18	18	18	18									
SW Only		-	-	5	2	4	4	4	4	4	4	4	4									
Subtotal		-	18,435	37,198	52,756	73,144	77,120	77,256	77,243	77,230	77,218	77,207	77,196									
Non-Residential																						
Non-Discount																						
Water & Sewer (>5/8": 2321)		-	16,311	25,012	36,421	52,910	54,892	53,986	53,052	52,110	51,123	50,133	49,138									
SW Only		-	3,179	6,201	8,665	11,988	12,067	12,118	11,927	11,733	11,528	11,321	11,113									
Discount Non-PHA																						
Water & Sewer		-	2,262	3,930	5,838	8,530	8,875	8,886	8,820	8,753	8,681	8,610	8,538									
SW Only		-	83	195	273	366	387	386	385	384	382	381	380									
Discount PHA																						
Water & Sewer		-	573	368	534	853	897	948	948	948	947	947	947									
SW Only		-	23	110	132	192	212	209	209	209	209	209	209									
City Owned																						
Water & Sewer		-	-	4,353	6,246	8,962	9,515	9,283	9,156	9,028	8,892	8,755	8,616									
SW Only		-	-	775	1,025	1,490	1,639	1,618	1,623	1,627	1,631	1,635	1,639									
Subtotal		-	22,431	40,944	59,135	85,290	88,484	87,434	86,119	84,790	83,394	81,991	80,580									
Condominiums																						
Non-Discount																						
Water & Sewer		-	462	883	1,321	1,883	2,216	1,952	1,920	1,888	1,853	1,819	1,784									
SW Only		-	2	8	13	14	37	14	13	12	11	10	9									
Discount Non-PHA																						
Water & Sewer		-	4	34	55	72	78	75	73	70	67	64	61									
SW Only		-	-	-	-	2	2	2	2	2	2	2	2									
Discount PHA																						
Water & Sewer		-	1	-	1	1	1	1	1	1	1	1	1									
SW Only		-	-	-	-	-	-	-	-	-	-	-	-									
City Owned																						
Water & Sewer		-	-	1	1	2	2	2	2	2	2	2	2									
SW Only		-	-	-	0	-	-	-	-	-	-	-	-									
Subtotal		-	468	925	1,390	1,975	2,336	2,046	2,011	1,975	1,936	1,898	1,858									
Total		-	41,334	79,067	113,281	160,409	167,940	166,736	165,372	163,994	162,548	161,096	159,634									

		Historical					Study Period							Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Total Stormwater Charge-Non City																						
Water & Sewer		-	126,364	129,805	126,569	135,644	142,277	141,313	140,278	139,234	138,139	137,039	135,934									
SW Only		-	3,747	7,573	10,400	14,293	14,485	14,498	14,292	14,083	13,864	13,643	13,422									
Total Stormwater Charge-City																						
Water & Sewer		-	4,545	7,630	7,839	8,978	9,534	9,302	9,176	9,048	8,912	8,774	8,636									
SW Only		-	-	780	1,028	1,494	1,643	1,622	1,626	1,631	1,635	1,639	1,643									
Total		-	134,656	145,787	145,836	160,409	167,940	166,736	165,372	163,994	162,548	161,096	159,634									
Actual					133,222	148,612	151,255	164,452														
					109.47%	107.94%	111.03%	101.39%														

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Stormwater - Retail - Billings Under Existing Rates (after adjustment factor)													**Customer - 39**
Section provided to allow for actual billings input													
Total Stormwater Charge-Non City													
Water & Sewer		-	126,364	129,805	126,569	135,644	142,277	141,313	140,278	139,234	138,139	137,039	135,934
SW Only		-	3,747	7,573	10,400	14,293	14,485	14,498	14,292	14,083	13,864	13,643	13,422
Total		-	130,111	137,378	136,969	149,937	156,763	155,811	154,570	153,316	152,002	150,682	149,355
CAP Reduction													
Water & Sewer		-	-	(1,084)	(2,206)	(4,175)	(3,779)	(3,190)	(3,101)	(3,012)	(2,924)	(2,835)	(2,746)
SW Only		-	-	(63)	(181)	(440)	(385)	(327)	(316)	(305)	(293)	(282)	(271)
Total (a)		-	-	(1,147)	(2,387)	(4,615)	(4,164)	(3,517)	(3,417)	(3,317)	(3,217)	(3,117)	(3,017)
Data Source: PWD SWDB													
Total Stormwater Charge-Non City													
Water & Sewer		-	126,364	128,721	124,364	131,469	138,498	138,124	137,177	136,221	135,215	134,204	133,188
SW Only		-	3,747	7,509	10,219	13,853	14,100	14,171	13,976	13,778	13,570	13,361	13,151
Total		-	130,111	136,231	134,582	145,322	152,599	152,294	151,153	149,999	148,785	147,565	146,338
(a) Source Data: PWD Assistance Program Data													

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Stormwater - Retail - Billings Under Existing Rates (after adjustment factor)									**Customer - 39**
Total Stormwater Charge-Non City									
Total	151,153	152,294	152,599	145,322	134,582				
Total Stormwater Charge-Non City									
Total		164,452	151,255	148,612	133,222				

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Stormwater - Retail - Collections													**Customer - 40**
Total Stormwater Charge-Non City													
Water & Sewer		-	126,364	128,721	124,364	131,469	138,498	138,124	137,177	136,221	135,215	134,204	133,188
SW Only		-	3,747	7,509	10,219	13,853	14,100	14,171	13,976	13,778	13,570	13,361	13,151
Total Stormwater Charge-City													
Water & Sewer		-	4,545	7,630	7,839	8,978	9,534	9,302	9,176	9,048	8,912	8,774	8,636
SW Only		-	-	780	1,028	1,494	1,643	1,622	1,626	1,631	1,635	1,639	1,643
Total		-	134,656	144,640	143,449	155,794	163,776	163,219	161,955	160,677	159,331	157,979	156,617
Collection Factors													
Water & Sewer (Excludes AMI Adjustment)													
Current Year		85.20%	80.60%	83.40%	83.30%	84.80%	84.80%	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%
First Year Prior		9.28%	9.28%	8.93%	10.05%	10.20%	10.25%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Second Year Prior		2.00%	2.00%	2.00%	2.00%	2.35%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
SW Only													
Current Year		54.00%	37.75%	56.45%	57.40%	53.80%	53.80%	53.80%	53.80%	53.80%	53.80%	53.80%	53.80%
First Year Prior		8.70%	8.70%	14.68%	9.87%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%
Second Year Prior		2.40%	2.40%	2.40%	3.72%	2.19%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%
Effective													
Current Year			76.69%	77.15%	76.31%	76.34%	76.34%	76.01%	76.05%	76.08%	76.12%	76.16%	76.21%
First Year Prior			8.95%	8.71%	9.42%	9.38%	9.42%	9.22%	9.22%	9.22%	9.23%	9.23%	9.23%
Second Year Prior			1.94%	1.90%	2.00%	2.18%	1.89%	1.89%	1.89%	1.89%	1.89%	1.90%	1.90%
City													
Current Year		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
First Year Prior		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Second Year Prior		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collections-Non City													
Water & Sewer			101,850	118,638	119,059	127,196	133,409	132,917	132,223	131,315	130,352	129,380	128,402
Stormwater Only			1,414	4,789	6,746	8,507	9,028	9,172	9,079	8,957	8,824	8,689	8,552
Subtotal-Non City			103,264	123,427	125,805	135,702	142,438	142,089	141,302	140,272	139,176	138,069	136,954
Collections-City													
Water & Sewer			4,545	7,630	7,839	8,978	9,534	9,302	9,176	9,048	8,912	8,774	8,636
Stormwater Only			-	780	1,028	1,494	1,643	1,622	1,626	1,631	1,635	1,639	1,643
Subtotal-City			4,545	8,409	8,867	10,471	11,178	10,925	10,802	10,678	10,546	10,413	10,279
Total		-	107,809	131,836	134,671	146,174	153,615	153,014	152,104	150,950	149,722	148,482	147,233

Description	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Stormwater - Retail - Collections									**Customer - 40**
Total Stormwater Charge-Non City									
Water & Sewer									
SW Only									
Total Stormwater Charge-City									
Water & Sewer									
SW Only									
Total									
Collection Factors									
Water & Sewer (Excludes AMI Adjustment)									
Current Year	84.80%	84.80%	83.30%	83.40%	80.60%	85.20%	83.50%	0.00%	0.00%
First Year Prior	9.70%	10.20%	10.05%	8.93%	9.28%	9.28%	9.00%	0.00%	0.00%
Second Year Prior	2.00%	2.35%	2.00%	2.00%	2.00%	2.00%	2.50%	0.00%	0.00%
SW Only									
Current Year	53.80%	**53.80%**	**57.40%**	**56.45%**	**37.75%**	54.00%	54.00%	54.00%	54.00%
First Year Prior	8.70%	**8.70%**	**9.87%**	**14.68%**	8.70%	8.70%	8.70%	8.70%	8.70%
Second Year Prior	2.32%	**2.19%**	**3.72%**	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
Effective									
Current Year									
First Year Prior									
Second Year Prior									
City									
Current Year	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
First Year Prior	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Second Year Prior	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collections-Non City									
Water & Sewer									
Stormwater Only									
Subtotal-Non City	-	-	-	-	-	-	-	-	-
Collections-City									
Water & Sewer									
Stormwater Only									
Subtotal-City	-	-	-	-	-	-	-	-	-

		Historical					Study Period						Historical Inputs								
Description	**Escalation**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2015**	**2014**	**2013**	**2012**	**2011**	**2010**	**2009**	**2008**	**2007**
Actual-Non City																						
Water & Sewer		-	-	-	-	-	-															
Stormwater Only		-	-	-	-	-	-															
Actual-City																						
Water & Sewer		-	-	-	-	-	-															
Stormwater Only		-	-	-	-	-	-															
Actual			100,106	116,495	112,850	120,011	128,107							128,107	120,011	112,850	116,495	100,106				
Check			103%	106%	111%	113%	111%															

Description	Escalation	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Detail Stormwater - Retail - Collections													**Customer - 41**
Residential													
Non-Discount													
Water & Sewer (5/8" Meter	x	-	57,022	66,019	63,787	66,373	69,384	69,381	69,468	69,471	69,471	69,471	69,471
SW Only	x	-	173	653	860	1,049	1,118	1,126	1,119	1,110	1,103	1,095	1,088
Discount Non-PHA													
Water & Sewer (5/8" Meter	x	-	1,504	2,174	2,192	2,349	2,531	2,540	2,545	2,545	2,545	2,545	2,545
SW Only	x	-	1	1	1	2	2	2	2	2	2	2	2
Discount PHA													
Water & Sewer	x	-	30	294	439	608	653	656	657	657	657	657	657
SW Only	x	-	0	12	16	18	19	19	19	19	19	19	19
City Owned													
Water & Sewer		-	-	10	12	14	18	18	18	18	18	18	18
SW Only		-	-	5	2	4	4	4	4	4	4	4	4
Subtotal		-	58,730	69,168	67,309	70,416	73,729	73,745	73,831	73,826	73,818	73,811	73,804
Non-Residential													
Non-Discount													
Water & Sewer (adj for CAP)	x	-	33,889	39,314	41,880	46,830	49,221	48,907	48,210	47,400	46,541	45,674	44,802
SW Only (adj for CAP)	x	-	1,200	3,932	5,594	7,085	7,487	7,628	7,543	7,432	7,308	7,182	7,054
Discount Non-PHA													
Water & Sewer (2332 & 233	x	-	7,163	8,534	8,375	8,341	8,575	8,549	8,501	8,438	8,370	8,301	8,232
SW Only	x	-	31	122	179	225	246	250	250	249	248	247	246
Discount PHA													
Water & Sewer (PHA - 2331)	x	-	1,867	1,496	1,138	874	870	906	912	912	912	912	912
SW Only	x	-	9	65	88	117	134	135	136	136	136	136	136
City Owned													
Water & Sewer (2337)		-	4,545	7,619	7,826	8,962	9,515	9,283	9,156	9,028	8,892	8,755	8,616
SW Only		-	-	775	1,025	1,490	1,639	1,618	1,623	1,627	1,631	1,635	1,639
Subtotal		-	48,703	61,857	66,105	73,924	77,687	77,276	76,331	75,222	74,038	72,842	71,637
Condominiums													
Non-Discount													
Water & Sewer	x	-	372	777	1,198	1,753	2,099	1,905	1,858	1,822	1,789	1,756	1,722
SW Only	x	-	1	5	8	9	21	11	9	8	7	6	6
Discount Non-PHA													
Water & Sewer	x	-	3	29	49	68	75	73	70	68	65	62	60
SW Only	x	-	-	-	-	1	1	1	1	1	1	1	1
Discount PHA													
Water & Sewer	x	-	1	0	0	1	1	1	1	1	1	1	1
SW Only	x	-	-	-	-	-	-	-	-	-	-	-	-
City Owned													
Water & Sewer		-	-	1	1	2	2	2	2	2	2	2	2
SW Only		-	-	-	0	-	-	-	-	-	-	-	-
Subtotal		-	376	812	1,257	1,833	2,199	1,993	1,942	1,902	1,866	1,829	1,792
Total		-	107,809	131,836	134,671	146,174	153,615	153,014	152,104	150,950	149,722	148,482	147,233
Collections-Non City													
Water & Sewer		-	101,850	118,638	119,059	127,196	133,409	132,917	132,223	131,315	130,352	129,380	128,402
Check		-	-	-	-	-	-	-	-	-	-	-	-
Stormwater Only		-	1,414	4,789	6,746	8,507	9,028	9,172	9,079	8,957	8,824	8,689	8,552
Check		-	-	-	-	-	-	-	-	-	-	-	-
Collections-City													
Water & Sewer		-	4,545	7,630	7,839	8,978	9,534	9,302	9,176	9,048	8,912	8,774	8,636
Check		-	-	-	-	-	-	-	-	-	-	-	-
Stormwater Only		-	-	780	1,028	1,494	1,643	1,622	1,626	1,631	1,635	1,639	1,643
		-	-	-	-	-	-	-	-	-	-	-	-

Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
								Customer - 41

Actual
Check

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Water Bill Tabulation Data

Bill Tab - 1a Bill Tab - 1a

SELECTED BILL TAB DISTRIBUTION Year Choose: 2014

Description	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Private Fire (Unmetered)	Total
Water Accounts												
Meters	450,357	19,523	5,981	2,731	427	272	69	2	921	3,511	6,528	
5/8	439,106	19,518	5,747	1,283	47	12	16	2	210	79	58	466,078
3/4	48	-	-	-	-	-	-	-	5	-	18	71
1	5,200	3	66	339	28	15	8	-	118	40	582	6,399
1 1/4	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	1,792	1	8	167	13	11	6	-	70	19	123	2,210
2	2,512	1	63	260	54	37	12	-	232	515	1,424	5,111
3	720	-	37	249	90	71	7	-	125	162	227	1,688
4	475	-	27	325	101	78	12	-	73	857	1,272	3,221
6	352	-	24	86	81	33	5	-	57	1,347	2,046	4,031
8	130	-	9	20	10	12	2	-	18	419	667	1,287
10	17	-	-	2	3	3	1	-	13	63	94	196
12	5	-	-	-	-	-	-	-	-	9	16	30
14	-	-	-	-	-	-	-	-	-	-	-	-
Total	450,357	19,523	5,981	2,731	427	272	69	2	921	3,511	6,528	490,322
Volume	4,597,397	109,963	165,984	217,250	262,373	562,496	8,095	22	219,674	9,277		
0 - 2 Mcf	3,062,916	102,178	59,605	39,032	7,205	5,370	443	22	12,016	737		3,289,523
2 - 100 Mcf	1,250,876	7,732	63,405	155,394	136,220	155,553	3,225	-	74,152	3,087		1,849,644
100 - 2,000 Mcf	272,393	53	42,974	22,825	118,947	289,261	1,142	-	122,669	5,453		875,717
Over 2,000 Mcf	2,450	-	-	-	-	112,312	3,285	-	10,837	-		128,884
Total	4,588,635	109,963	165,984	217,250	262,373	562,496	8,095	22	219,674	9,277		6,143,768

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Water Bill Tab - 1b Bill Tab - 1b

SELECTED BILL TAB DISTRIBUTION Year Choose: 2014

Description	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial Year Choose:	Industrial 2014	Public Utilities	Total	Combined Fire	
Meters	92.11%	7.62%	0.24%	0.03%	414,816	34,334	1,088	119	450,357	10,039	
5/8	98.97%	81.49%	49.36%	31.09%	410,554	27,978	537	37	439,106	137	1.37%
3/4	0.01%	0.04%	0.00%	0.00%	34	14	-	-	48	18	0.18%
1	0.57%	7.46%	23.44%	23.53%	2,355	2,562	255	28	5,200	622	6.20%
1 1/4	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-	-	0.00%
1 1/2	0.15%	3.09%	7.81%	8.40%	637	1,060	85	10	1,792	142	1.42%
2	0.22%	4.32%	10.57%	16.81%	893	1,484	115	20	2,512	1,939	19.32%
3	0.04%	1.47%	4.60%	10.92%	152	505	50	13	720	389	3.88%
4	0.02%	1.07%	1.75%	3.36%	83	369	19	4	475	2,129	21.21%
6	0.02%	0.74%	1.65%	4.20%	76	253	18	5	352	3,394	33.81%
8	0.01%	0.27%	0.64%	0.84%	28	94	7	1	130	1,087	10.82%
10	0.00%	0.03%	0.18%	0.00%	3	12	2	-	17	157	1.56%
12	0.00%	0.01%	0.00%	0.84%	1	3	-	1	5	25	0.25%
14	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-	-	0.00%
Total	100.00%	100.00%	100.00%	100.00%	414,816	34,334	1,088	119	450,357	10,039	100.00%
Volume	69.96%	27.63%	2.22%	0.19%	3,216,276	1,270,462	101,897	8,762	4,597,397	9,277	
0 - 2 Mcf	84.70%	25.70%	11.91%	14.65%	2,724,329	326,447	12,139	1,284	3,064,200	737	7.94%
2 - 100 Mcf	14.11%	59.24%	43.57%	77.55%	453,813	752,670	44,393	6,796	1,257,671	3,087	33.28%
100 - 2,000 Mcf	1.19%	14.87%	44.52%	7.79%	38,134	188,894	45,365	683	273,076	5,453	58.78%
Over 2,000 Mcf	0.00%	0.19%	0.00%	0.00%	-	2,450	-	-	2,450	-	0.00%
Total	100.00%	100.00%	100.00%	100.00%	3,216,276	1,270,462	101,897	8,762	4,597,397	9,277	100.00%

Don't Delete Rows

2014	1
2013	2
2012	3
2011	4
2010	5

2015 Data

Description	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/ University	Hand Bill	City Leased	Scheduled	City	Fire Service	Private Fire (Unmetered)	Total
Water Accounts		Fiscal Year	2015									
Meters												
5/8	432,207	20,183	5,636	1,239	49	11	17	2	228	76	64	459,712
3/4	62	0	0	0	0	0	0	0	6	0	30	98
1	5,632	2	71	326	34	14	7	0	124	42	877	7,129
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,821	1	25	159	14	10	7	0	70	36	164	2,307
2	2,655	1	68	251	61	37	15	0	231	764	1,827	5,910
3	748	0	38	228	107	72	8	0	131	177	228	1,737
4	512	0	26	304	123	74	15	0	77	951	1,312	3,394
6	389	0	25	80	94	36	6	0	64	1,484	2,102	4,280
8	144	0	9	18	12	13	2	0	22	465	686	1,371
10	16	0	0	2	4	4	1	0	14	69	95	205
12	6	0	0	0	0	0	0	0	0	10	17	33
14	-	0	0	0	0	0	0	0	0	0		-
Total	444,192	20,187	5,898	2,607	498	271	78	2	967	4,074	7,402	486,176
Volume	INPUT REFLECTS FY 2014 DISTRIBUTION											
0 - 2 Mcf	3,117,445	105,015	61,082	36,865	7,624	5,505	818	22	12,433	684		3,347,493
2 - 100 Mcf	1,279,525	7,947	64,976	146,768	144,143	159,462	5,961	0	76,727	2,865		1,888,373
100 - 2,000 Mcf	277,821	54	44,039	21,558	125,865	296,530	2,112	0	126,928	5,060		899,968
Over 2,000 Mcf	2,493	0	0	0	0	115,135	6,071	0	11,214	0		134,912
Total	4,677,283	113,016	170,098	205,190	277,633	576,632	14,962	22	227,301	8,609		6,270,746

2015 Data

Description	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
				Needs values		Fiscal Year	2015		
Meters	91.98%	7.75%	0.24%	0.03%					
5/8	97.34%	81.14%	48.71%	36.97%	403,775	27,858	530	44	432,207
3/4	0.01%	0.04%	0.00%	0.00%	49	13	0	0	62
1	0.66%	7.56%	22.98%	24.37%	2,757	2,596	250	29	5,632
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.16%	3.15%	7.72%	8.40%	647	1,080	84	10	1,821
2	0.24%	4.48%	10.57%	17.65%	980	1,539	115	21	2,655
3	0.04%	1.54%	4.69%	10.92%	154	530	51	13	748
4	0.02%	1.16%	1.84%	4.20%	90	397	20	5	512
6	0.02%	0.81%	1.75%	2.52%	89	278	19	3	389
8	0.01%	0.30%	0.74%	0.84%	31	104	8	1	144
10	0.00%	0.03%	0.18%	0.00%	3	11	2	0	16
12	0.00%	0.01%	0.00%	0.84%	1	4	0	1	6
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	98.50%	100.22%	99.17%	106.72%	408,576	34,410	1,079	127	444,192
Volume	69.96%	27.63%	2.22%	0.19%					
0 - 2 Mcf	84.70%	25.70%	11.91%	14.65%	2,771,668	332,120	12,350	1,306	3,117,445
2 - 100 Mcf	14.11%	59.24%	43.57%	77.55%	461,698	765,749	45,164	6,914	1,279,525
100 - 2,000 Mcf	1.19%	14.87%	44.52%	7.79%	38,796	192,177	46,154	695	277,821
Over 2,000 Mcf	0.00%	0.19%	0.00%	0.00%	0	2,493	0	0	2,493
Total	100.00%	100.00%	100.00%	100.00%	3,272,163	1,292,538	103,668	8,915	4,677,283

2014 Data

Description	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Private Fire (Unmetered)	Total
Water Accounts		Fiscal Year	2014									
Meters												
5/8	439,105	19,518	5,747	1,283	47	12	17	2	210	79	58	466,078
3/4	48	0	0	0	0	0	0	0	5	0	18	71
1	5,200	3	66	339	28	15	8	0	118	40	582	6,399
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,792	1	8	167	13	11	6	0	70	19	123	2,210
2	2,512	1	63	260	54	37	13	0	232	515	1,423	5,110
3	720	0	37	249	90	71	7	0	125	162	227	1,688
4	475	0	27	325	101	78	13	0	73	857	1,271	3,220
6	352	0	24	86	81	33	5	0	57	1,347	2,045	4,030
8	130	0	9	20	10	12	2	0	18	419	667	1,287
10	17	0	0	2	3	3	1	0	13	63	94	196
12	5	0	0	0	0	0	0	0	0	9	16	30
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	450,356	19,523	5,981	2,731	427	272	72	2	921	3,510	6,524	490,319
Volume												
0 - 2 Mcf	3,117,445	105,015	61,082	36,865	7,624	5,505	818	22	12,433	684		3,347,493
2 - 100 Mcf	1,279,525	7,947	64,976	146,768	144,143	159,462	5,961	0	76,727	2,865		1,888,373
100 - 2,000 Mcf	277,821	54	44,039	21,558	125,865	296,530	2,112	0	126,928	5,060		899,968
Over 2,000 Mcf	2,493	0	0	0	0	115,135	6,071	0	11,214	0		134,912
Total	4,677,283	113,016	170,098	205,190	277,633	576,632	14,962	22	227,301	8,609		6,270,746

2014 Data

Description	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
				Needs values		Fiscal Year	2014		
Meters	92.11%	7.62%	0.24%	0.03%					
5/8	98.97%	81.49%	49.36%	31.09%	410,553	27,978	537	37	439,105
3/4	0.01%	0.04%	0.00%	0.00%	34	14	0	0	48
1	0.57%	7.46%	23.44%	23.53%	2,355	2,562	255	28	5,200
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.15%	3.09%	7.81%	8.40%	637	1,060	85	10	1,792
2	0.22%	4.32%	10.57%	16.81%	893	1,484	115	20	2,512
3	0.04%	1.47%	4.60%	10.92%	152	505	50	13	720
4	0.02%	1.07%	1.75%	3.36%	83	369	19	4	475
6	0.02%	0.74%	1.65%	4.20%	76	253	18	5	352
8	0.01%	0.27%	0.64%	0.84%	28	94	7	1	130
10	0.00%	0.03%	0.18%	0.00%	3	12	2	0	17
12	0.00%	0.01%	0.00%	0.84%	1	3	0	1	5
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	414,815	34,334	1,088	119	450,356
Volume	69.96%	27.63%	2.22%	0.19%					
0 - 2 Mcf	84.70%	25.70%	11.91%	14.65%	2,771,668	332,120	12,350	1,306	3,117,445
2 - 100 Mcf	14.11%	59.24%	43.57%	77.55%	461,698	765,749	45,164	6,914	1,279,525
100 - 2,000 Mcf	1.19%	14.87%	44.52%	7.79%	38,796	192,177	46,154	695	277,821
Over 2,000 Mcf	0.00%	0.19%	0.00%	0.00%	0	2,493	0	0	2,493
Total	100.00%	100.00%	100.00%	100.00%	3,272,163	1,292,538	103,668	8,915	4,677,283

2013 Data

Description	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Fire Hydrants	Total
Water Accounts		Year Choose:	2013									
Meters												
5/8	438,834	19,234	5,815	1,249	50	12	17	2	244	66	0	465,523
3/4	28	0	0	0	0	0	0	0	6	0	0	34
1	4,619	3	65	344	24	16	8	0	119	35	0	5,233
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,643	1	9	169	12	10	6	0	70	15	0	1,935
2	2,277	1	59	265	53	34	13	0	230	323	0	3,255
3	678	0	37	250	87	69	6	0	126	171	0	1,424
4	437	0	28	321	94	75	13	0	74	844	0	1,886
6	326	0	24	85	76	32	4	0	69	1,362	0	1,978
8	113	0	9	19	10	12	1	0	25	422	0	611
10	14	0	0	2	4	4	1	0	14	64	0	103
12	5	0	0	0	0	0	0	0	1	9	0	15
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	448,974	19,239	6,046	2,704	410	264	69	2	978	3,311	-	481,997
Volume												
0 - 2 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
2 - 100 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

2013 Data

Description	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
				Needs values	Year Choose:		2013		
Meters	92.31%	7.43%	0.23%	0.02%					
5/8	99.13%	82.17%	49.81%	31.19%	410,862	27,416	522	34	438,834
3/4	0.00%	0.03%	0.00%	0.00%	18	10	0	0	28
1	0.47%	7.26%	23.28%	22.94%	1,928	2,422	244	25	4,619
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.13%	2.99%	7.54%	8.26%	558	997	79	9	1,643
2	0.18%	4.16%	10.50%	16.51%	761	1,388	110	18	2,277
3	0.03%	1.42%	4.58%	11.01%	145	473	48	12	678
4	0.02%	1.01%	1.91%	3.67%	76	337	20	4	437
6	0.02%	0.70%	1.62%	5.50%	71	232	17	6	326
8	0.01%	0.24%	0.57%	0.00%	27	80	6	0	113
10	0.00%	0.03%	0.19%	0.00%	3	9	2	0	14
12	0.00%	0.01%	0.00%	0.92%	1	3	0	1	5
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	414,450	33,367	1,048	109	448,974
Volume	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
0 - 2 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
2 - 100 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
100 - 2,000 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
Over 2,000 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
Total	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-	-	-	-	-

2012 Data

Description	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Fire Hydrants	Total
Water Accounts		Year Choose:	2012									
Meters												
5/8	452,892	19,155	5,969	1,277	47	15	14	2	295	53	0	479,719
3/4	49	0	0	0	0	0	0	0	7	0	0	56
1	4,536	2	47	346	22	16	8	0	129	33	0	5,139
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,647	1	11	171	11	11	7	0	73	13	0	1,945
2	2,257	1	58	266	53	41	14	0	247	239	0	3,176
3	664	0	36	252	84	72	6	0	135	192	0	1,441
4	431	0	29	322	94	80	14	0	80	923	0	1,973
6	319	0	25	90	74	32	5	0	73	1,496	0	2,114
8	114	0	9	19	9	14	1	0	26	462	0	654
10	19	0	0	2	3	6	1	0	15	69	0	115
12	4	0	0	0	0	0	0	0	1	10	0	15
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	462,932	19,159	6,184	2,745	397	287	70	2	1,081	3,490	-	496,347
Volume												
0 - 2 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
2 - 100 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

2011
2010

2012 Data

Description	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
				Needs values	Year Choose:		2012		
Meters	92.48%	7.26%	0.24%	0.02%					
5/8	99.19%	82.28%	49.55%	34.00%	424,668	27,643	547	34	452,892
3/4	0.01%	0.06%	0.00%	0.00%	28	21	0	0	49
1	0.43%	7.25%	23.19%	25.00%	1,820	2,435	256	25	4,536
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.13%	2.99%	7.70%	9.00%	547	1,006	85	9	1,647
2	0.17%	4.13%	10.87%	14.00%	736	1,387	120	14	2,257
3	0.04%	1.37%	4.08%	9.00%	150	460	45	9	664
4	0.02%	0.98%	1.99%	4.00%	77	328	22	4	431
6	0.02%	0.66%	1.63%	5.00%	73	223	18	5	319
8	0.01%	0.24%	0.54%	0.00%	28	80	6	0	114
10	0.00%	0.03%	0.45%	0.00%	3	11	5	0	19
12	0.00%	0.01%	0.00%	0.00%	1	3	0	0	4
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	428,131	33,597	1,104	100	462,932
Volume	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	DATA NOT AVAILABLE				
0 - 2 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
2 - 100 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
100 - 2,000 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
Over 2,000 Mcf	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0	-
Total	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-	-	-	-	-

Sewer Bill Tabulation Data

Bill Tab - 2a

Bill Tab - 2a

SELECTED BILL TAB DISTRIBUTION

Year Choose: 2014

	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only	Total
Sewer Accounts												
Meters	447,667	19,505	5,857	2,606	375	254	41	2	830	81	59	4,597,397
5/8	437,712	19,501	5,743	1,261	44	21	10	2	195	55	48	464,592
3/4	48	-	-	-	-	-	-	-	1	-	1	50
1	5,009	3	13	334	28	15	5	-	108	8	1	5,523
1 1/4	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	1,751	1	8	163	14	10	5	-	65	3	-	2,020
2	1,989	-	15	256	54	37	10	-	225	9	4	2,601
3	696	-	37	245	88	66	5	-	121	1	1	1,260
4	320	-	20	307	90	71	7	-	57	3	-	875
6	115	-	14	34	50	24	-	-	31	1	2	272
8	22	-	7	5	6	7	-	-	11	-	2	61
10	5	-	-	-	1	3	-	-	14	-	-	23
12	-	-	-	-	-	-	-	-	1	-	-	1
14	-	-	-	-	-	-	-	-	-	-	-	-
Total	447,667	19,505	5,857	2,606	375	254	41	2	830	81	59	477,277
Volume	4,553,441	109,880	165,961	211,193	262,322	524,773	4,443	22	218,014	2,991	76,652	
0 - 2 Mcf	4,597,397	109,880	165,961	211,193	262,322	524,773	4,443	22	218,014	2,991	76,652	6,173,647
2 - 100 Mcf	-	-	-	-	-	-	-	-	-	-	-	-
100 - 2,000 Mcf	-	-	-	-	-	-	-	-	-	-	-	-
Over 2,000 Mcf	-	-	-	-	-	-	-	-	-	-	-	-
Total	4,597,397	109,880	165,961	211,193	262,322	524,773	4,443	22	218,014	2,991	76,652	6,173,647

Sewer Bill Tab - 2b Bill Tab - 2b

SELECTED BILL TAB DISTRIBUTION Year Choose: 2014

	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
						Year Choose:	2014		
Meters	92.18%	7.56%	0.23%	0.03%	412,674	33,825	1,051	117	447,667
5/8	99.16%	82.59%	51.05%	31.62%	409,202	27,936	537	37	437,712
3/4	0.01%	0.04%	0.00%	0.00%	33	15	-	-	48
1	0.53%	7.53%	24.24%	23.08%	2,179	2,548	255	27	5,009
1 1/4	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
1 1/2	0.15%	3.10%	7.98%	8.55%	609	1,048	84	10	1,751
2	0.11%	4.16%	10.36%	16.24%	453	1,409	109	19	1,989
3	0.03%	1.47%	4.47%	11.11%	140	497	47	13	696
4	0.01%	0.77%	1.24%	3.42%	43	260	13	4	320
6	0.00%	0.27%	0.67%	5.13%	12	90	7	6	115
8	0.00%	0.05%	0.00%	0.85%	3	18	-	1	22
10	0.00%	0.01%	0.00%	0.00%	-	5	-	-	5
12	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
14	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
Total	100.00%	100.00%	100.00%	100.00%	412,674	33,825	1,051	117	447,667
Volume	71.44%	26.53%	1.85%	0.19%	3,252,808	1,208,089	84,024	8,519	4,553,441
0 - 2 Mcf	100.00%	100.00%	100.00%	100.00%	3,216,276	1,270,462	101,897	8,762	4,597,397
2 - 100 Mcf	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
100 - 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
Over 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	-	-	-	-	-
Total	100.00%	100.00%	100.00%	100.00%	3,216,276	1,270,462	101,897	8,762	4,597,397

2015 Data

Sewer Accounts	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/ University	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only	Total
Fiscal Year:		2015										
Meters												
5/8	430,861	20,166	5,631	1,226	45	10	11	2	228	47		458,227
3/4	61	0	0	0	0	0	0	0	1	0		62
1	5,417	2	13	323	33	14	4	0	122	7		5,935
1 1/4	-	0	0	0	0	0	0	0	0	0		-
1 1/2	1,771	1	25	156	14	10	6	0	72	3		2,058
2	2,051	0	16	246	61	37	13	0	240	9		2,673
3	719	0	38	225	106	71	6	0	135	2		1,302
4	331	0	19	289	108	73	8	0	62	3		893
6	117	0	14	33	53	24	0	0	34	1		276
8	25	0	7	4	6	6	0	0	13	0		61
10	4	0	0	0	2	3	0	0	17	0		26
12	-	0	0	0	0	0	0	0	1	1		2
14	-	0	0	0	0	0	0	0	0	0		-
Total	441,357	20,169	5,763	2,502	428	248	48	2	925	73	-	471,515
Volume	Volume Distribution not required for Sanitary Sewer											
0 - 2 Mcf	4,572,011	100	100	100	100	100	100	100	100	100	100	4,573,011
2 - 100 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Total	4,572,011	100	100	100	100	100	100	100	100	100	100	4,573,011

2015 Data

	Residential	Commercial	Industrial	Public Utilities	Residential	Commercial	Industrial	Public Utilities	Total
					Fiscal Year:		2015		
Meters	92.09%	7.65%	0.23%	0.03%					
5/8	97.45%	82.04%	50.10%	37.61%	402,517	27,773	527	44	430,861
3/4	0.01%	0.04%	0.00%	0.00%	48	13	0	0	61
1	0.62%	7.59%	23.57%	23.93%	2,571	2,570	248	28	5,417
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.15%	3.14%	7.89%	8.55%	615	1,063	83	10	1,771
2	0.12%	4.26%	10.46%	17.09%	480	1,441	110	20	2,051
3	0.03%	1.52%	4.66%	11.11%	141	516	49	13	719
4	0.01%	0.80%	1.24%	4.27%	43	270	13	5	331
6	0.00%	0.28%	0.67%	2.56%	12	95	7	3	117
8	0.00%	0.06%	0.00%	0.85%	3	21	0	1	25
10	0.00%	0.01%	0.00%	0.00%	0	4	0	0	4
12	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	98.40%	99.74%	98.57%	105.98%	406,430	33,766	1,037	124	441,357
Volume	71.44%	26.53%	1.85%	0.19%					
0 - 2 Mcf	100.00%	100.00%	100.00%	100.00%	3,266,074	1,213,016	84,367	8,554	4,572,011
2 - 100 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
100 - 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Over 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	3,266,074	1,213,016	84,367	8,554	4,572,011

2014 Data

Sewer Accounts	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only	Total
Fiscal Year:		2014										
Meters												
5/8	438,089	19,509	5,767	1,264	44	23	11	2	206	53	48	465,016
3/4	48	0	0	0	0	0	0	0	1	0	1	50
1	5,013	3	13	335	28	16	5	0	114	8	1	5,536
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,753	1	8	163	14	11	5	0	69	3	0	2,027
2	1,991	0	15	257	55	40	11	0	238	9	4	2,620
3	697	0	37	246	89	71	5	0	128	1	1	1,275
4	320	0	20	308	91	77	7	0	60	3	0	886
6	115	0	14	34	51	26	0	0	33	1	2	276
8	22	0	7	5	6	8	0	0	12	0	2	62
10	5	0	0	0	1	3	0	0	15	0	0	24
12	-	0	0	0	0	0	0	0	1	0	0	1
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	448,053	19,513	5,881	2,612	379	275	44	2	877	78	59	477,773
Volume	Volume Distribution not required for Sanitary Sewer											
0 - 2 Mcf	4,572,011	100	100	100	100	100	100	100	100	100	100	4,573,011
2 - 100 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Total	4,572,011	100	100	100	100	100	100	100	100	100	100	4,573,011

2014 Data

	Residential	Commercial	Industrial	Public Utilities	Residential Fiscal Year:	Commercial	Industrial 2014	Public Utilities	Total
Meters	92.18%	7.56%	0.23%	0.03%					
5/8	99.16%	82.59%	51.05%	31.62%	409,555	27,960	537	37	438,089
3/4	0.01%	0.04%	0.00%	0.00%	33	15	0	0	48
1	0.53%	7.53%	24.24%	23.08%	2,181	2,550	255	27	5,013
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.15%	3.10%	7.98%	8.55%	610	1,049	84	10	1,753
2	0.11%	4.16%	10.36%	16.24%	453	1,410	109	19	1,991
3	0.03%	1.47%	4.47%	11.11%	140	497	47	13	697
4	0.01%	0.77%	1.24%	3.42%	43	260	13	4	320
6	0.00%	0.27%	0.67%	5.13%	12	90	7	6	115
8	0.00%	0.05%	0.00%	0.85%	3	18	0	1	22
10	0.00%	0.01%	0.00%	0.00%	0	5	0		5
12	0.00%	0.00%	0.00%	0.00%	0	0			-
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	413,030	33,854	1,052	117	448,053
Volume	71.44%	26.53%	1.85%	0.19%					
0 - 2 Mcf	100.00%	100.00%	100.00%	100.00%	3,266,074	1,213,016	84,367	8,554	4,572,011
2 - 100 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
100 - 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Over 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	3,266,074	1,213,016	84,367	8,554	4,572,011

2013 Data

Sewer Accounts	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only	Total
Meters	**Year Choose:**	2013										
5/8	439,445	19,221	5,811	1,241	47	23	12	2	230	39	34	466,105
3/4	49	0	0	0	0	0	0	0	1	0	2	52
1	5,222	3	15	341	24	16	5	0	113	13	1	5,753
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,800	1	9	167	12	10	5	0	67	7	0	2,078
2	2,525	0	14	261	53	36	11	0	225	11	2	3,138
3	723	0	37	246	86	69	4	0	123	4	1	1,293
4	477	0	20	303	86	75	8	0	58	5	0	1,032
6	354	0	14	33	50	26	0	0	31	4	2	514
8	130	0	7	5	6	8	0	0	12	2	2	172
10	17	0	0	0	2	4	0	0	13	0	0	36
12	5	0	0	0	0	0	0	0	1	0	0	6
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	450,747	19,225	5,927	2,597	366	267	45	2	874	85	44	480,179
Volume												
0 - 2 Mcf	0	0	0	0	0	0	0	0	0	0	0	-
2 - 100 Mcf	0	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	0	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	0	0	0	0	0	0	0	0	0	0	0	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

2012

Sewer Accounts	General Service	Senior Citizens	PHA	Charity and Schools	Hospital/University	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only	Total
Meters	**Year Choose:**	2012										
5/8	439,445	19,146	5,964	1,273	45	23	11	2	281	36	34	466,260
3/4	49	0	0	0	0	0	0	0	2	0	2	53
1	5,222	2	19	344	22	16	6	0	125	16	1	5,773
1 1/4	-	0	0	0	0	0	0	0	0	0	0	-
1 1/2	1,800	1	11	170	11	11	6	0	70	8	0	2,088
2	2,525	0	14	263	53	45	12	0	242	12	2	3,168
3	723	0	36	248	83	72	5	0	132	6	1	1,306
4	477	0	20	304	85	80	9	0	63	6	0	1,044
6	354	0	14	32	47	26	0	0	34	4	2	513
8	130	0	7	4	4	8	0	0	13	1	2	169
10	17	0	0	0	1	6	0	0	14	0	0	38
12	5	0	0	0	0	0	0	0	1	0	0	6
14	-	0	0	0	0	0	0	0	0	0	0	-
Total	450,747	19,149	6,085	2,638	351	287	49	2	977	89	44	480,418
Volume												
0 - 2 Mcf	400	0	0	0	0	0	0	0	0	0	0	400
2 - 100 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
100 - 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Over 2,000 Mcf	-	0	0	0	0	0	0	0	0	0	0	-
Total	400	-	-	-	-	-	-	-	-	-	-	400

2011

2010

2013 Data

	Water & Sewer	Sewer Only			Water & Sewer	Sewer Only	Total		
					Year Choose:	2013		currently reflect 2014 data	
Meters	92.09%	7.64%	0.24%	0.03%					
5/8	98.97%	81.43%	49.41%	30.83%	410,823	28,045	540	37	439,445
3/4	0.01%	0.04%	0.00%	0.00%	34	15	0	0	49
1	0.57%	7.48%	23.51%	23.33%	2,361	2,576	257	28	5,222
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.15%	3.10%	7.78%	8.33%	639	1,066	85	10	1,800
2	0.22%	4.35%	10.52%	16.67%	893	1,497	115	20	2,525
3	0.04%	1.48%	4.57%	10.83%	152	508	50	13	723
4	0.02%	1.07%	1.74%	3.33%	84	370	19	4	477
6	0.02%	0.74%	1.65%	5.00%	76	254	18	6	354
8	0.01%	0.27%	0.64%	0.83%	28	94	7	1	130
10	0.00%	0.03%	0.18%	0.00%	3	12	2	0	17
12	0.00%	0.01%	0.00%	0.83%	1	3	0	1	5
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	415,094	34,440	1,093	120	450,747
Volume	25.00%	25.00%	25.00%	25.00%					
0 - 2 Mcf	100.00%	100.00%	100.00%	100.00%	100	100	100	100	400
2 - 100 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
100 - 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Over 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	100	100	100	100	400

	Water & Sewer	Sewer Only			Water & Sewer	Sewer Only	Total		
					Year Choose:	2012		currently reflect 2014 data	
Meters	92.09%	7.64%	0.24%	0.03%					
5/8	98.97%	81.43%	49.41%	30.83%	410,823	28,045	540	37	439,445
3/4	0.01%	0.04%	0.00%	0.00%	34	15	0	0	49
1	0.57%	7.48%	23.51%	23.33%	2,361	2,576	257	28	5,222
1 1/4	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
1 1/2	0.15%	3.10%	7.78%	8.33%	639	1,066	85	10	1,800
2	0.22%	4.35%	10.52%	16.67%	893	1,497	115	20	2,525
3	0.04%	1.48%	4.57%	10.83%	152	508	50	13	723
4	0.02%	1.07%	1.74%	3.33%	84	370	19	4	477
6	0.02%	0.74%	1.65%	5.00%	76	254	18	6	354
8	0.01%	0.27%	0.64%	0.83%	28	94	7	1	130
10	0.00%	0.03%	0.18%	0.00%	3	12	2	0	17
12	0.00%	0.01%	0.00%	0.83%	1	3	0	1	5
14	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	415,094	34,440	1,093	120	450,747
Volume	25.00%	25.00%	25.00%	25.00%					
0 - 2 Mcf	100.00%	100.00%	100.00%	100.00%	100	100	100	100	400
2 - 100 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
100 - 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Over 2,000 Mcf	0.00%	0.00%	0.00%	0.00%	0	0	0	0	-
Total	100.00%	100.00%	100.00%	100.00%	100	100	100	100	400

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DO NOT DISTRIBUTE

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Description	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	Historical Inputs 2015	2014	2013	2012	2011	2010	2009	2008	2007
Water System Other Revenue											Other Revenue - 1										Other Revenue - 1
Penalties - Percentage of Billings	1.66%	1.38%	1.50%	1.44%	1.46%	1.42%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.46%	1.44%	1.50%	1.38%	1.66%	1.65%	0.00%	0.00%
Penalties	2,992	2,736	3,169	3,126	3,347	3,454	3,554	3,554	3,554	3,558	3,566	3,573	3,454	3,347	3,126	3,169	2,736	2,992	2,723		
Misc City Revenues	826	750	555	473	784	2,109	1,960	1,960	1,960	1,960	1,960	1,960	703	784	473	555	750	826	632		
Other	2,434	2,965	2,799	3,911	3,881	5,611	4,000	4,000	4,000	4,000	4,000	4,000	5,611	3,881	3,911	2,799	2,965	2,434	2,434		
State & Federal Grants	2,631	2,869	3,192	2,727	1,299	1,083	1,000	1,000	1,000	1,000	1,000	1,000	1,083	1,299	2,727	3,192	2,869	2,631	674		
Permits Issued by L&I (L&I)	1,113	1,115	1,199	1,592	1,673	1,920	1,500	1,240	1,240	1,240	1,240	1,240	1,920	1,673	1,592	1,199	1,115	1,113	1,104		
Miscellaneous (Procurement)	106	120	131	142	198	164	150	150	150	150	150	250	164	198	142	131	120	106	48		
Affordability Program Discount Adjustment	-	-	-	-	-	-	-	-	(7,084)	(7,392)	(7,744)	(8,184)									
Release from Debt Service Reserve	-	-	-	-	-	-	-	-	-	7,052	-	-		-	-	-	-	-	-	-	-
Total	10,102	10,555	11,045	11,971	11,182	14,341	12,164	11,904	4,820	11,568	4,172	3,839	12,935	11,182	11,971	11,045	10,555	10,102	7,615	-	-

Notes: See Assumptions-3

Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2015	2014	2013	2012	2011	2010	2009	2008	2007
Sewer System Other Revenue											Other Revenue - 2										Other Revenue - 2
Penalties - Percentage of Billings	1.66%	1.38%	1.50%	1.44%	1.46%	1.42%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.46%	1.44%	1.50%	1.38%	1.66%	1.65%	0.00%	0.00%
Penalties	4,508	4,114	4,523	4,584	4,863	5,032	5,148	5,131	5,114	5,100	5,088	5,076	5,032	4,863	4,584	4,523	4,114	4,508	4,335	-	-
Misc City Revenues	1,653	1,500	1,109	945	1,568	-	-	-	-	-	-	-	1,406	1,568	945	1,109	1,500	1,653	1,264	2,516	-
Other	2,434	2,964	2,799	3,910	3,881	5,611	4,000	4,000	4,000	4,000	4,000	4,000	5,612	3,881	3,910	2,799	2,964	2,434	2,434	-	-
State & Federal Grants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permits Issued by L&I (L&I)	1,113	1,116	1,199	1,592	1,673	1,920	1,500	1,240	1,240	1,240	1,240	1,240	1,920	1,673	1,592	1,199	1,116	1,113	1,104	-	-
Miscellaneous (Procurement)	105	120	130	141	198	164	150	150	150	150	150	250	163	198	141	130	120	105	48	-	-
Affordability Program Discount Adjustment	-	-	-	-	-	-	-	-	(9,016)	(9,408)	(9,856)	(10,416)									
Release from Debt Service Reserve	-	-	-	-	-	-	-	-	-	12,589	-	-									
Total	9,813	9,814	9,760	11,172	12,183	12,727	10,798	10,521	1,488	13,671	622	150	14,132	12,183	11,172	9,760	9,814	9,813	9,185	2,516	-

Notes: See Assumptions-3

Combined System Other Revenue

Other Revenue - 3

Penalties - Percentage of Billings	1.50%	1.33%	1.45%	1.36%	1.37%	1.41%	1.45%	1.45%	1.45%	1.45%	1.45%	1.45%	1.51%	1.53%	1.50%	1.55%	1.51%	1.76%	1.60%		
Penalties	7,500	6,850	7,692	7,710	8,210	8,486	8,702	8,685	8,668	8,658	8,654	8,649	8,486	8,210	7,710	7,692	6,850	7,500	7,058		
Misc City Revenues	2,479	2,250	1,664	1,418	2,352	2,109	1,960	1,960	1,960	1,960	1,960	1,960	2,109	2,352	1,418	1,664	2,250	2,479	1,896	2,516	-
Other	4,868	5,929	5,598	7,821	7,762	11,223	8,000	8,000	8,000	8,000	8,000	8,000	11,223	7,762	7,821	5,598	5,929	4,868	4,868		
State & Federal Grants	2,631	2,869	3,192	2,727	1,299	1,083	1,000	1,000	1,000	1,000	1,000	1,000	1,083	1,299	2,727	3,192	2,869	2,631	674		
Permits Issued by L&I (L&I)	2,226	2,231	2,398	3,184	3,346	3,840	3,000	2,480	2,480	2,480	2,480	2,480	3,840	3,346	3,184	2,398	2,231	2,226	2,208		
Miscellaneous (Procurement)	211	240	261	283	396	327	300	300	300	300	300	500	327	396	283	261	240	211	96		
Affordability Program Discount Adjustment	-	-	-	-	-	-	-	-	(16,100)	(16,800)	(17,600)	(18,600)									
Release from Debt Service Reserve	0	0	0	0	0	-	-	-	-	19,641	-	-	0	0	0	0	0	0	0	0	0
Total	19,915	20,369	20,805	23,143	23,365	27,068	22,962	22,425	6,308	25,239	4,794	3,989	27,067	23,365	23,143	20,805	20,369	19,915	16,800	2,516	-

Notes: See Assumptions - 3 and DS - 7 (Cumulative Revenue Bond Debt Service)

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O&M Adjustments:

TRUE	O&M Adj 1	Additional SMIP Costs
TRUE	O&M Adj 2	General Fund Reimbursement (combined sewer outfall construction)
TRUE	O&M Adj 3	AMI
TRUE	O&M Adj 4	OOW Additional Staffing, and Class 200 Additions
TRUE	O&M Adj 5	Funding for Grants
TRUE	O&M Adj 6	HR & Admin Additional Staffing and Class 200 Revision
TRUE	O&M Adj 7	P&E Additional Staffing and Class 200 Costs
TRUE	O&M Adj 8	Finance Additional Staffing
TRUE	O&M Adj 9	Public Affairs Additional Staffing
TRUE	O&M Adj 10	Operations Add Package Adjustments
TRUE	O&M Adj 11	Affordability Program

PWD Cost of Service Rate Study
Cash Flow Analysis Model
Forecast of Direct Operating & Maintenance Expenses

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
PWD Direct O&M															Direct O&M - 1
Human Resources and Administration															
100	Salaries & Wages	Labor	$ 7,003,220	$ 6,782,159	$ 6,591,224	$ 6,911,366	$ 7,650,763	$ 8,502,816	$ 8,381,232	$ 8,632,669	$ 8,891,649	$ 9,158,399	$ 9,433,151	$ 9,716,145	$ 10,007,630
200	Services	Other 200	1,725,940	1,856,758	2,676,000	2,019,108	3,277,947	4,562,319	3,967,655	4,047,008	4,127,949	4,272,427	4,421,962	4,576,730	4,736,916
300	Materials and Supplies	Other 300	550,431	579,242	474,539	575,822	632,835	725,233	792,493	808,342	824,509	840,999	857,819	874,976	892,475
400	Equipment	Other 400	67,500	24,547	111,049	46,389	140,816	413,078	691,110	706,660	722,559	738,817	755,440	772,438	789,818
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Human Resources and Administration			$ 9,347,091	$ 9,242,706	$ 9,852,812	$ 9,552,685	$ 11,702,361	$ 14,203,446	$ 13,832,490	$ 14,194,680	$ 14,566,667	$ 15,010,642	$ 15,468,372	$ 15,940,289	$ 16,426,839
Finance															
100	Salaries & Wages	Labor	$ 1,186,788	$ 1,393,850	$ 1,388,706	$ 1,472,571	$ 1,849,144	$ 2,170,853	$ 2,103,041	$ 2,166,132	$ 2,231,116	$ 2,298,050	$ 2,366,991	$ 2,438,001	$ 2,511,141
200	Services	Other 200	5,044,204	10,311,521	9,206,767	5,577,954	4,366,100	4,811,153	3,767,322	3,842,668	3,919,522	4,056,705	4,198,689	4,345,644	4,497,741
2xx	SMIP/GARP	Constant	-	-	5,025,000	4,925,776	5,020,143	11,598,134	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000
300	Materials and Supplies	Other 300	458,592	661,729	598,960	383,299	124,596	23,023	22,226	22,671	23,124	23,587	24,059	24,540	25,031
400	Equipment	Other 400	(53,111)	86,002	527,642	244,778	521,252	-	24,489	25,040	25,604	26,180	26,769	27,371	27,987
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222
Subtotal Finance			$ 16,135,342	$ 20,207,364	$ 25,821,804	$ 23,397,293	$ 19,595,654	$ 24,847,784	$ 23,912,217	$ 24,182,553	$ 24,458,928	$ 24,868,370	$ 25,290,773	$ 25,726,548	$ 26,176,122
Planning and Engineering															
100	Salaries & Wages	Labor	$ 1,323,931	$ 1,449,595	$ 1,028,722	$ 1,057,108	$ 1,043,846	$ 1,199,514	$ 1,088,047	$ 1,120,689	$ 1,154,310	$ 1,188,939	$ 1,224,607	$ 1,261,345	$ 1,299,186
200	Services	Other 200	301,450	528,000	259,551	235,838	155,719	297,188	198,765	202,740	206,795	214,033	221,524	229,277	237,302
300	Materials and Supplies	Other 300	134,435	147,000	133,233	191,888	105,252	102,067	143,010	145,870	148,787	151,763	154,798	157,894	161,052
400	Equipment	Other 400	54,497	228,000	28,435	30,333	27,449	14,614	10,938	11,184	11,436	11,693	11,956	12,225	12,500
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning and Engineering			$ 1,814,313	$ 2,352,595	$ 1,449,941	$ 1,515,167	$ 1,332,266	$ 1,613,383	$ 1,440,760	$ 1,480,483	$ 1,521,328	$ 1,566,428	$ 1,612,886	$ 1,660,742	$ 1,710,040
Operations															
100	Salaries & Wages	Labor	$ 63,510,492	$ 62,637,659	$ 62,092,417	$ 63,390,240	$ 65,710,338	$ 71,789,745	$ 70,945,353	$ 73,073,713	$ 75,265,925	$ 77,523,902	$ 79,849,620	$ 82,245,108	$ 84,712,461
200	Services	Other 200	46,195,838	44,989,464	49,900,039	53,779,374	55,165,835	55,277,653	57,483,011	58,632,671	59,805,325	61,898,511	64,064,959	66,307,232	68,627,985
220	Power	Energy	20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045	24,808,121
300	Materials and Supplies	Other 300	12,986,710	12,662,984	15,651,859	16,475,057	14,625,464	14,703,881	15,999,264	16,319,249	16,645,634	16,978,547	17,318,118	17,664,480	18,017,770
307	Chemicals	Chemicals	21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041	26,938,616
400	Equipment	Other 400	953,855	549,906	1,356,406	994,870	1,172,215	1,219,613	1,197,193	1,224,130	1,251,673	1,279,835	1,308,632	1,338,076	1,368,183
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operations			$165,766,056	$167,552,029	$174,081,286	$181,617,418	$182,560,545	$185,743,395	$190,270,145	$194,626,711	$199,101,270	$205,156,090	$211,399,012	$217,835,983	$224,473,137
Planning & Environmental Services															
100	Salaries & Wages	Labor	$ 8,578,791	$ 8,437,905	$ 9,163,710	$ 10,315,992	$ 11,080,774	$ 12,135,854	$ 12,909,964	$ 13,297,263	$ 13,696,181	$ 14,107,067	$ 14,530,279	$ 14,966,187	$ 15,415,173
200	Services	Other 200	15,280,610	15,276,152	16,447,254	18,442,417	17,411,374	22,388,075	24,012,455	24,492,704	24,982,558	25,856,948	26,761,941	27,698,609	28,668,060
300	Materials and Supplies	Other 300	908,893	903,646	962,010	867,520	1,015,983	989,788	1,039,725	1,060,519	1,081,730	1,103,364	1,125,432	1,147,940	1,170,899
400	Equipment	Other 400	591,429	672,252	55,839	470,735	556,793	187,954	432,131	441,854	451,796	461,962	472,356	482,984	493,851
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning & Environmental Services			$ 25,359,723	$ 25,289,955	$ 26,628,813	$ 30,096,664	$ 30,064,924	$ 35,701,671	$ 38,394,276	$ 39,292,341	$ 40,212,265	$ 41,529,340	$ 42,890,007	$ 44,295,720	$ 45,747,983

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages	Labor	$ 1,756,193	$ 1,803,302	$ 2,110,095	$ 2,110,697	$ 2,260,265	$ 2,644,067	$ 2,654,376	$ 2,734,008	$ 2,816,028	$ 2,900,509	$ 2,987,524	$ 3,077,150	$ 3,169,464
200	Services	Other 200	2,516,445	3,091,251	4,525,982	6,591,039	7,244,654	8,001,034	8,158,089	8,321,251	8,487,676	8,784,744	9,092,210	9,410,438	9,739,803
300	Materials and Supplies	Other 300	229,644	221,111	206,542	219,959	168,011	156,358	192,257	196,102	200,024	204,025	208,105	212,267	216,513
400	Equipment	Other 400	3,788	3,293	2,688	17,734	1,134	13,757	10,875	11,120	11,370	11,626	11,887	12,155	12,428
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Affairs			$ 4,506,070	$ 5,118,957	$ 6,845,307	$ 8,939,429	$ 9,674,064	$ 10,815,216	$ 11,015,597	$ 11,262,480	$ 11,515,097	$ 11,900,903	$ 12,299,727	$ 12,712,009	$ 13,138,208
PWD Operating and Maintenance Expenses Summary															
100	Salaries & Wages		$ 83,359,415	$ 82,504,470	$ 82,374,874	$ 85,257,975	$ 89,595,130	$ 98,442,849	$ 98,082,015	$101,024,475	$104,055,209	$107,176,865	$110,392,171	$113,703,937	$117,115,055
200	Services		71,064,487	76,053,146	83,015,593	86,645,730	87,621,629	95,337,422	97,587,297	99,539,043	101,529,824	105,083,368	108,761,285	112,567,930	116,507,808
220	Power		20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045	24,808,121
2xx	SMIP/GARP		-	-	5,025,000	4,925,776	5,020,143	11,598,134	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000	11,450,000
300	Materials and Supplies		15,268,705	15,175,712	18,027,143	18,713,545	16,672,141	16,700,350	18,188,975	18,552,754	18,923,809	19,302,285	19,688,331	20,082,098	20,483,740
307	Chemicals		21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041	26,938,616
400	Equipment		1,617,958	1,564,000	2,082,059	1,804,839	2,419,659	1,849,016	2,366,736	2,419,988	2,474,438	2,530,112	2,587,040	2,645,248	2,704,766
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222
Total PWD Operating and Maintenance Expenses Summary			############	############	############	############	############	############	############	############	############	############	############	############	############
PWD Operating and Maintenance Expenses Summary - Annual Increase															
100	Salaries & Wages		-3.81%	-1.03%	-0.16%	3.50%	5.09%	9.88%	-0.37%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
200	Services		8.91%	7.02%	9.15%	4.37%	1.13%	8.81%	2.36%	2.00%	2.00%	3.50%	3.50%	3.50%	3.50%
220	Power		-0.56%	35.26%	-9.04%	-1.87%	-12.04%	-4.72%	10.02%	0.00%	0.00%	2.50%	2.50%	2.50%	2.50%
2xx	SMIP/GARP		0.00%			-1.97%	1.92%	131.03%	-1.28%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
300	Materials and Supplies		1.07%	-0.61%	18.79%	3.81%	-10.91%	0.17%	8.91%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
307	Chemicals		2.25%	-11.52%	4.32%	11.68%	8.16%	-8.68%	-0.69%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%
400	Equipment		34.04%	-3.33%	33.12%	-13.31%	34.07%	-23.58%	28.00%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%
500	Contributions		0.00%												
800	Transfers		-8.64%	-18.37%	17.03%	18.93%	-28.52%	-19.05%	4.81%	2.00%	2.00%	3.00%	3.00%	3.00%	3.00%
Total PWD Operating and Maintenance Expenses Summary - Annual Increas			1.16%	3.07%	6.49%	4.27%	-0.07%	7.06%	2.18%	2.21%	2.22%	2.97%	2.98%	2.98%	2.99%
PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase															
100	Salaries & Wages				-1.68%	0.75%	2.79%	6.12%	4.78%	4.08%	1.87%	3.00%	3.00%	3.00%	3.00%
200	Services				8.36%	6.83%	4.83%	4.72%	4.04%	4.34%	2.12%	2.50%	3.00%	3.50%	3.50%
220	Power				6.95%	6.48%	-7.75%	-6.31%	-2.67%	1.58%	3.24%	0.83%	1.66%	2.50%	2.50%
2xx	SMIP/GARP				0.00%	0.00%	0.00%	32.16%	32.47%	31.63%	-0.43%	0.00%	0.00%	0.00%	0.00%
300	Materials and Supplies				6.07%	7.02%	3.18%	-2.52%	-0.94%	3.63%	4.25%	2.00%	2.00%	2.00%	2.00%
307	Chemicals				-1.91%	1.01%	8.01%	3.32%	-0.64%	-2.15%	1.95%	3.30%	3.30%	3.30%	3.30%
400	Equipment				19.93%	3.71%	15.66%	-3.88%	9.46%	0.00%	10.20%	2.25%	2.25%	2.25%	2.25%
500	Contributions				0.00%	0.00%	0.00%								
800	Transfers				-4.43%	4.35%	-0.17%	-11.71%	-15.36%	-4.70%	2.93%	2.33%	2.67%	3.00%	3.00%
Total PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase					3.55%	4.60%	3.53%	3.71%	3.01%	3.79%	2.20%	2.47%	2.72%	2.98%	2.98%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
PWD O&M Adjustments														Direct O&M - 2	
Human Resources and Administration															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 398,000	$ 410,000	$ 422,000	$ 435,000
200	Services							-	-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Human Resources and Administration								$ -	$ -	$ -	$ -	$ 398,000	$ 410,000	$ 422,000	$ 435,000
Finance															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 60,000	$ 62,000	$ 64,000	$ 66,000
200	Services							-	0	(822,000)	0	1,915,000	1,938,000	1,961,000	1,985,000
2xx	SMIP/GARP							2,000,000	-	0	0	3,550,000	3,550,000	3,550,000	3,550,000
300	Materials and Supplies							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Finance								$ 2,000,000	$ 0	$ (822,000)	$ 0	$ 5,525,000	$ 5,550,000	$ 5,575,000	$ 5,601,000
Planning and Engineering															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 530,000	$ 546,000	$ 562,000	$ 579,000
200	Services							-	-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Planning and Engineering								$ -	$ -	$ -	$ -	$ 530,000	$ 546,000	$ 562,000	$ 579,000
Operations															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 712,000	$ 488,000	$ 213,000	$ 94,000
200	Services							-	-	-	-	492,000	(84,000)	(773,000)	(1,104,000)
220	Power							-	-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	787,000	916,000	938,000	963,000
307	Chemicals							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	130,000	135,000	140,000	145,000
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Operations								$ -	$ -	$ -	$ -	$ 2,121,000	$ 1,455,000	$ 518,000	$ 98,000
Planning & Environmental Services															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 1,148,000	$ 1,363,000	$ 1,404,000	$ 1,446,000
200	Services							-	-	-	-	1,000,000	1,000,000	1,000,000	1,000,000
300	Materials and Supplies							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Planning & Environmental Services								$ -	$ -	$ -	$ -	$ 2,148,000	$ 2,363,000	$ 2,404,000	$ 2,446,000

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 106,000	$ 109,000	$ 112,000	$ 115,000
200	Services							-	-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Public Affairs								$ -	$ -	$ -	$ -	$ 106,000	$ 109,000	$ 112,000	$ 115,000
PWD Operating and Maintenance Expenses Adjustments Summary															
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ 2,954,000	$ 2,978,000	$ 2,777,000	$ 2,735,000
200	Services							-	0	(822,000)	0	3,407,000	2,854,000	2,188,000	1,881,000
220	Power							-	-	-	-	-	-	-	-
2xx	SMIP/GARP							2,000,000	-	0	0	3,550,000	3,550,000	3,550,000	3,550,000
300	Materials and Supplies							-	-	-	-	787,000	916,000	938,000	963,000
307	Chemicals							-	-	-	-	-	-	-	-
400	Equipment							-	-	-	-	130,000	135,000	140,000	145,000
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Total PWD Operating and Maintenance Expenses Adjustments Summary								**$ 2,000,000**	**$ 0**	**$ (822,000)**	**$ 0**	**$ 10,828,000**	**$ 10,433,000**	**$ 9,593,000**	**$ 9,274,000**

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
PWD Adjusted O&M														Direct O&M - 3	
Human Resources and Administration															
100	Salaries & Wages		$ 7,003,220	$ 6,782,159	$ 6,591,224	$ 6,911,366	$ 7,650,763	$ 8,502,816	$ 8,381,232	$ 8,632,669	$ 8,891,649	$ 9,556,399	$ 9,843,151	$ 10,138,145	$ 10,442,630
200	Services		1,725,940	1,856,758	2,676,000	2,019,108	3,277,947	4,562,319	3,967,655	4,047,008	4,127,949	4,272,427	4,421,962	4,576,730	4,736,916
300	Materials and Supplies		550,431	579,242	474,539	575,822	632,835	725,233	792,493	808,342	824,509	840,999	857,819	874,976	892,475
400	Equipment		67,500	24,547	111,049	46,389	140,816	413,078	691,110	706,660	722,559	738,817	755,440	772,438	789,818
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Human Resources and Administration			$ 9,347,091	$ 9,242,706	$ 9,852,812	$ 9,552,685	$ 11,702,361	$ 14,203,446	$ 13,832,490	$ 14,194,680	$ 14,566,667	$ 15,408,642	$ 15,878,372	$ 16,362,289	$ 16,861,839
Finance															
100	Salaries & Wages		$ 1,186,788	$ 1,393,850	$ 1,388,706	$ 1,472,571	$ 1,849,144	$ 2,170,853	$ 2,103,041	$ 2,166,132	$ 2,231,116	$ 2,358,050	$ 2,428,991	$ 2,502,001	$ 2,577,141
200	Services		5,044,204	10,311,521	9,206,767	5,577,954	4,366,100	4,811,153	3,767,322	3,020,668	3,919,522	5,971,705	6,136,689	6,306,644	6,482,741
2xx	SMIP/GARP		-	-	5,025,000	4,925,776	5,020,143	13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies		458,592	661,729	598,960	383,299	124,596	23,023	22,226	22,671	23,124	23,587	24,059	24,540	25,031
400	Equipment		(53,111)	86,002	527,642	244,778	521,252	-	24,489	25,040	25,604	26,180	26,769	27,371	27,987
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222
Subtotal Finance			$ 16,135,342	$ 20,207,364	$ 25,821,804	$ 23,397,293	$ 19,595,654	$ 26,847,784	$ 23,912,217	$ 23,360,553	$ 24,458,928	$ 30,393,370	$ 30,840,773	$ 31,301,548	$ 31,777,122
Planning and Engineering															
100	Salaries & Wages		$ 1,323,931	$ 1,449,595	$ 1,028,722	$ 1,057,108	$ 1,043,846	$ 1,199,514	$ 1,088,047	$ 1,120,689	$ 1,154,310	$ 1,718,939	$ 1,770,607	$ 1,823,345	$ 1,878,186
200	Services		301,450	528,000	259,551	235,838	155,719	297,188	198,765	202,740	206,795	214,033	221,524	229,277	237,302
300	Materials and Supplies		134,435	147,000	133,233	191,888	105,252	102,067	143,010	145,870	148,787	151,763	154,798	157,894	161,052
400	Equipment		54,497	228,000	28,435	30,333	27,449	14,614	10,938	11,184	11,436	11,693	11,956	12,225	12,500
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning and Engineering			$ 1,814,313	$ 2,352,595	$ 1,449,941	$ 1,515,167	$ 1,332,266	$ 1,613,383	$ 1,440,760	$ 1,480,483	$ 1,521,328	$ 2,096,428	$ 2,158,886	$ 2,222,742	$ 2,289,040
Operations															
100	Salaries & Wages		$ 63,510,492	$ 62,637,659	$ 62,092,417	$ 63,390,240	$ 65,710,338	$ 71,789,745	$ 70,945,353	$ 73,073,713	$ 75,265,925	$ 78,235,902	$ 80,337,620	$ 82,458,108	$ 84,806,461
200	Services		46,195,838	44,989,464	49,900,039	53,779,374	55,165,835	55,277,653	57,483,011	58,632,671	59,805,325	62,390,511	63,980,959	65,534,232	67,523,985
220	Power		20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045	24,808,121
300	Materials and Supplies		12,986,710	12,662,984	15,651,859	16,475,057	14,625,464	14,703,881	15,999,264	16,319,249	16,645,634	17,765,547	18,234,118	18,602,480	18,980,770
307	Chemicals		21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041	26,938,616
400	Equipment		953,855	549,906	1,356,406	994,870	1,172,215	1,219,613	1,197,193	1,224,130	1,251,673	1,409,835	1,443,632	1,478,076	1,513,183
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operations			$165,766,056	$167,552,029	$174,081,286	$181,617,418	$182,560,545	$185,743,395	$190,270,145	$194,626,711	$199,101,270	$207,277,090	$212,854,012	$218,353,983	$224,571,137
Planning & Environmental Services															
100	Salaries & Wages		$ 8,578,791	$ 8,437,905	$ 9,163,710	$ 10,315,992	$ 11,080,774	$ 12,135,854	$ 12,909,964	$ 13,297,263	$ 13,696,181	$ 15,255,067	$ 15,893,279	$ 16,370,187	$ 16,861,173
200	Services		15,280,610	15,276,152	16,447,254	18,442,417	17,411,374	22,388,075	24,012,455	24,492,704	24,982,558	26,856,948	27,761,941	28,698,609	29,668,060
300	Materials and Supplies		908,893	903,646	962,010	867,520	1,015,983	989,788	1,039,725	1,060,519	1,081,730	1,103,364	1,125,432	1,147,940	1,170,899
400	Equipment		591,429	672,252	55,839	470,735	556,793	187,954	432,131	441,854	451,796	461,962	472,356	482,984	493,851
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning & Environmental Services			$ 25,359,723	$ 25,289,955	$ 26,628,813	$ 30,096,664	$ 30,064,924	$ 35,701,671	$ 38,394,276	$ 39,292,341	$ 40,212,265	$ 43,677,340	$ 45,253,007	$ 46,699,720	$ 48,193,983

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages		$ 1,756,193	$ 1,803,302	$ 2,110,095	$ 2,110,697	$ 2,260,265	$ 2,644,067	$ 2,654,376	$ 2,734,008	$ 2,816,028	$ 3,006,509	$ 3,096,524	$ 3,189,150	$ 3,284,464
200	Services		2,516,445	3,091,251	4,525,982	6,591,039	7,244,654	8,001,034	8,158,089	8,321,251	8,487,676	8,784,744	9,092,210	9,410,438	9,739,803
300	Materials and Supplies		229,644	221,111	206,542	219,959	168,011	156,358	192,257	196,102	200,024	204,025	208,105	212,267	216,513
400	Equipment		3,788	3,293	2,688	17,734	1,134	13,757	10,875	11,120	11,370	11,626	11,887	12,155	12,428
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Affairs			$ 4,506,070	$ 5,118,957	$ 6,845,307	$ 8,939,429	$ 9,674,064	$ 10,815,216	$ 11,015,597	$ 11,262,480	$ 11,515,097	$ 12,006,903	$ 12,408,727	$ 12,824,009	$ 13,253,208
PWD Operating and Maintenance Expenses Summary															
100	Salaries & Wages		$ 83,359,415	$ 82,504,470	$ 82,374,874	$ 85,257,975	$ 89,595,130	$ 98,442,849	$ 98,082,015	$101,024,475	$104,055,209	$110,130,865	$113,370,171	$116,480,937	$119,850,055
200	Services		71,064,487	76,053,146	83,015,593	86,645,730	87,621,629	95,337,422	97,587,297	98,717,043	101,529,824	108,490,368	111,615,285	114,755,930	118,388,808
220	Power		20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045	24,808,121
2xx	SMIP/GARP		-	-	5,025,000	4,925,776	5,020,143	13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies		15,268,705	15,175,712	18,027,143	18,713,545	16,672,141	16,700,350	18,188,975	18,552,754	18,923,809	20,089,285	20,604,331	21,020,098	21,446,740
307	Chemicals		21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041	26,938,616
400	Equipment		1,617,958	1,564,000	2,082,059	1,804,839	2,419,659	1,849,016	2,366,736	2,419,988	2,474,438	2,660,112	2,722,040	2,785,248	2,849,766
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222
Total PWD Operating and Maintenance Expenses Summary			############	############	############	############	############	############	############	############	############	############	############	############	############
PWD Operating and Maintenance Expenses Summary - Annual Increase															
100	Salaries & Wages			-1.03%	-0.16%	3.50%	5.09%	9.88%	-0.37%	3.00%	3.00%	5.84%	2.94%	2.74%	2.89%
200	Services			7.02%	9.15%	4.37%	1.13%	8.81%	2.36%	1.16%	2.85%	6.86%	2.88%	2.81%	3.17%
220	Power			35.26%	-9.04%	-1.87%	-12.04%	-4.72%	10.02%	0.00%	0.00%	2.50%	2.50%	2.50%	2.50%
2xx	SMIP/GARP					-1.97%	1.92%	170.87%	-15.80%	0.00%	0.00%	31.00%	0.00%	0.00%	0.00%
300	Materials and Supplies			-0.61%	18.79%	3.81%	-10.91%	0.17%	8.91%	2.00%	2.00%	6.16%	2.56%	2.02%	2.03%
307	Chemicals			-11.52%	4.32%	11.68%	8.16%	-8.68%	-0.69%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%
400	Equipment			-3.33%	33.12%	-13.31%	34.07%	-23.58%	28.00%	2.25%	2.25%	7.50%	2.33%	2.32%	2.32%
500	Contributions														
800	Transfers			-18.37%	17.03%	18.93%	-28.52%	-19.05%	4.81%	2.00%	2.00%	3.00%	3.00%	3.00%	3.00%
Total PWD Operating and Maintenance Expenses Summary - Annual Increase				3.07%	6.49%	4.27%	-0.07%	7.84%	1.43%	1.92%	2.52%	6.69%	2.75%	2.62%	2.80%
PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase															
100	Salaries & Wages					0.75%	2.79%	6.12%	4.78%	4.08%	1.87%	3.94%	3.92%	3.83%	2.86%
200	Services					6.83%	4.83%	4.72%	4.04%	4.05%	2.12%	3.59%	4.18%	4.17%	2.95%
220	Power					6.48%	-7.75%	-6.31%	-2.67%	1.58%	3.24%	0.83%	1.66%	2.50%	2.50%
2xx	SMIP/GARP							39.35%	32.47%	31.63%	-5.57%	9.42%	9.42%	9.42%	0.00%
300	Materials and Supplies					7.02%	3.18%	-2.52%	-0.94%	3.63%	4.25%	3.37%	3.56%	3.56%	2.20%
307	Chemicals					1.01%	8.01%	3.32%	-0.64%	-2.15%	1.95%	3.30%	3.30%	3.30%	3.30%
400	Equipment					3.71%	15.66%	-3.88%	9.46%	0.00%	10.20%	3.97%	4.00%	4.02%	2.32%
500	Contributions														
800	Transfers					4.35%	-0.17%	-11.71%	-15.36%	-4.70%	2.93%	2.33%	2.67%	3.00%	3.00%
Total PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase						4.60%	3.53%	3.96%	3.01%	3.69%	1.96%	3.69%	3.97%	4.00%	2.72%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Water System O&M															Direct O&M - 4
Human Resources and Administration															
100	Salaries & Wages							$ 2,635,873	$ 2,598,182	$ 2,676,127	$ 2,756,411	$ 2,962,484	$ 3,051,377	$ 3,142,825	$ 3,237,215
200	Services							1,414,319	1,229,973	1,254,573	1,279,664	1,324,452	1,370,808	1,418,786	1,468,444
300	Materials and Supplies							224,822	245,673	250,586	255,598	260,710	265,924	271,242	276,667
400	Equipment							128,054	214,244	219,064	223,993	229,033	234,187	239,456	244,843
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Human Resources and Administration								$ 4,403,068	$ 4,288,072	$ 4,400,350	$ 4,515,666	$ 4,776,679	$ 4,922,296	$ 5,072,309	$ 5,227,169
Finance															
100	Salaries & Wages							$ 824,924	$ 799,156	$ 823,130	$ 847,824	$ 896,059	$ 923,017	$ 950,760	$ 979,314
200	Services							1,828,238	1,431,582	1,111,694	1,443,418	2,354,675	2,417,450	2,482,101	2,549,088
2xx	SMIP & GARP							-	-	-	-	-	-	-	-
300	Materials and Supplies							8,749	8,446	8,615	8,787	8,963	9,142	9,325	9,512
400	Equipment							-	9,306	9,515	9,729	9,948	10,172	10,401	10,635
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							2,248,064	2,356,250	2,403,375	2,451,443	2,524,986	2,600,735	2,678,757	2,759,120
Subtotal Finance								$ 4,909,975	$ 4,604,740	$ 4,356,329	$ 4,761,201	$ 5,794,631	$ 5,960,516	$ 6,131,344	$ 6,307,669
Planning and Engineering															
Operations															
Planning & Environmental Services															

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages							$ 1,322,034	$ 1,327,188	$ 1,367,004	$ 1,408,014	$ 1,503,254	$ 1,548,262	$ 1,594,575	$ 1,642,232
200	Services							3,756,399	3,830,135	3,906,737	3,984,872	4,124,342	4,268,694	4,418,099	4,572,732
300	Materials and Supplies							78,179	96,129	98,051	100,012	102,012	104,053	106,134	108,256
400	Equipment							6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Public Affairs								$ 5,163,491	$ 5,258,889	$ 5,377,352	$ 5,498,583	$ 5,735,421	$ 5,926,953	$ 6,124,885	$ 6,329,434
Water System Operating and Maintenance Expenses Summary															
100	Salaries & Wages							$ 40,595,907	$ 40,377,159	$ 41,588,473	$ 42,836,127	$ 45,215,592	$ 46,507,064	$ 47,754,455	$ 49,121,815
200	Services							26,138,769	26,623,258	26,807,204	27,652,837	29,907,914	30,655,127	31,338,989	32,229,015
220	Power							9,933,159	10,928,734	10,928,734	10,928,734	11,201,952	11,482,001	11,769,051	12,063,278
2xx	SMIP/GARP							-	-	-	-	-	-	-	-
300	Materials and Supplies							7,184,199	7,826,022	7,982,542	8,142,192	8,649,496	8,872,059	9,051,111	9,234,864
307	Chemicals							19,130,461	18,998,001	19,624,935	20,272,558	20,858,512	21,502,429	22,209,207	22,939,217
400	Equipment							935,316	1,112,346	1,137,374	1,162,963	1,265,808	1,295,514	1,325,819	1,356,740
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							2,248,064	2,356,250	2,403,375	2,451,443	2,524,986	2,600,735	2,678,757	2,759,120
Total Water System Operating and Maintenance Expenses Summary								############	############	############	############	############	############	############	############

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Wastewater System O&M														Direct O&M - 5	
Human Resources and Administration															
100	Salaries & Wages							$ 5,866,943	$ 5,783,050	$ 5,956,542	$ 6,135,238	$ 6,593,915	$ 6,791,774	$ 6,995,320	$ 7,205,415
200	Services							3,148,000	2,737,682	2,792,435	2,848,285	2,947,975	3,051,154	3,157,944	3,268,472
300	Materials and Supplies							500,411	546,820	557,756	568,911	580,289	591,895	603,734	615,808
400	Equipment							285,024	476,866	487,596	498,566	509,784	521,253	532,982	544,975
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							0	0	0	0	0	0	0	0
Subtotal Human Resources and Administration								$ 9,800,378	$ 9,544,418	$ 9,794,330	$ 10,051,001	$ 10,631,963	$ 10,956,076	$ 11,289,980	$ 11,634,670
Finance															
100	Salaries & Wages							$ 1,345,929	$ 1,303,885	$ 1,343,002	$ 1,383,292	$ 1,461,991	$ 1,505,974	$ 1,551,241	$ 1,597,827
200	Services							2,982,915	2,335,740	1,908,974	2,476,104	3,617,030	3,719,239	3,824,543	3,933,653
2xx	SMIP & GARP							13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies							14,274	13,780	14,056	14,337	14,624	14,917	15,215	15,519
400	Equipment							-	15,183	15,525	15,875	16,232	16,597	16,970	17,352
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							3,996,557	4,188,889	4,272,666	4,358,120	4,488,863	4,623,530	4,762,236	4,905,102
Subtotal Finance								$ 21,937,809	$ 19,307,477	$ 19,004,224	$ 19,697,728	$ 24,598,739	$ 24,880,257	$ 25,170,204	$ 25,469,453
Planning and Engineering															
100	Salaries & Wages							$ 719,708	$ 652,828	$ 672,413	$ 692,586	$ 1,031,363	$ 1,062,364	$ 1,094,007	$ 1,126,912
200	Services							178,313	119,259	121,644	124,077	128,420	132,914	137,566	142,381
300	Materials and Supplies							61,240	85,806	87,522	89,272	91,058	92,879	94,736	96,631
400	Equipment							8,768	6,563	6,710	6,862	7,016	7,173	7,335	7,500
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Planning and Engineering								$ 968,029	$ 864,456	$ 888,289	$ 912,797	$ 1,257,857	$ 1,295,331	$ 1,333,645	$ 1,373,424
Operations															
100	Salaries & Wages							$ 40,423,884	$ 39,948,418	$ 41,146,870	$ 42,381,277	$ 44,056,814	$ 45,257,228	$ 46,472,833	$ 47,806,875
200	Services							44,593,162	46,372,252	47,299,696	48,245,691	50,372,160	51,808,859	53,292,184	55,027,385
220	Power							10,494,375	11,546,199	11,546,199	11,546,199	11,834,855	12,130,726	12,433,994	12,744,843
300	Materials and Supplies							8,268,174	8,996,584	9,176,515	9,360,046	9,989,787	10,253,270	10,460,404	10,673,122
307	Chemicals							3,194,508	3,172,390	3,277,079	3,385,222	3,579,975	3,742,528	3,868,834	3,999,399
400	Equipment							500,258	491,062	502,111	513,409	578,283	592,146	606,274	620,675
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Operations								$107,474,361	$110,526,905	$112,948,471	$115,431,844	$120,411,875	$123,784,756	$127,134,524	$130,872,300
Planning & Environmental Services															
100	Salaries & Wages							$ 8,168,445	$ 8,689,485	$ 8,950,170	$ 9,218,675	$ 10,267,936	$ 10,697,506	$ 11,018,505	$ 11,348,979
200	Services							14,051,628	15,071,152	15,372,575	15,680,027	16,856,467	17,424,476	18,012,365	18,620,830
300	Materials and Supplies							593,873	623,835	636,311	649,038	662,018	675,259	688,764	702,539
400	Equipment							112,772	259,278	265,112	271,078	277,177	283,414	289,791	296,311
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Planning & Environmental Services								$ 22,926,718	$ 24,643,751	$ 25,224,169	$ 25,818,818	$ 28,063,597	$ 29,080,654	$ 30,009,425	$ 30,968,659

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages							$ 1,322,033	$ 1,327,188	$ 1,367,004	$ 1,408,014	$ 1,503,255	$ 1,548,262	$ 1,594,575	$ 1,642,232
200	Services							4,244,635	4,327,954	4,414,514	4,502,804	4,660,402	4,823,516	4,992,339	5,167,071
300	Materials and Supplies							78,179	96,128	98,051	100,012	102,013	104,052	106,133	108,257
400	Equipment							6,878	5,438	5,560	5,685	5,813	5,943	6,078	6,214
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-	-
Subtotal Public Affairs								$ 5,651,725	$ 5,756,708	$ 5,885,128	$ 6,016,514	$ 6,271,482	$ 6,481,774	$ 6,699,124	$ 6,923,774
Wastewater System Operating and Maintenance Expenses Summary															
100	Salaries & Wages							$ 57,846,942	$ 57,704,856	$ 59,436,002	$ 61,219,082	$ 64,915,273	$ 66,863,107	$ 68,726,482	$ 70,728,240
200	Services							69,198,653	70,964,039	71,909,839	73,876,987	78,582,454	80,960,158	83,416,941	86,159,793
220	Power							10,494,375	11,546,199	11,546,199	11,546,199	11,834,855	12,130,726	12,433,994	12,744,843
2xx	SMIP/GARP							13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies							9,516,151	10,362,953	10,570,212	10,781,617	11,439,789	11,732,272	11,968,987	12,211,876
307	Chemicals							3,194,508	3,172,390	3,277,079	3,385,222	3,579,975	3,742,528	3,868,834	3,999,399
400	Equipment							913,700	1,254,390	1,282,614	1,311,475	1,394,304	1,426,526	1,459,429	1,493,026
500	Contributions							-	-	-	-	-	-	-	-
800	Transfers							3,996,557	4,188,889	4,272,666	4,358,120	4,488,863	4,623,530	4,762,236	4,905,102
Total Wastewater System Operating and Maintenance Expenses Summary								############	############	############	############	############	############	############	############

Cost Center/Expense Class	Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Allocation of Wastewater Costs to WTP Sludge														**Direct O&M - 6**
Allocation of Wastewater Costs to WTP Sludge (Linked to SCOS Model)							$ 10,447,550	$ 10,453,302	$ 10,951,693	$ 11,677,838	$ 12,308,651	$ 12,997,941	$ 14,040,883	$ 14,889,773
Annual Increase								0.06%	4.77%	6.63%	5.40%	5.60%	8.02%	6.05%
Wastewater - Operations O&M Growth								2.84%	2.19%	2.20%	4.31%	2.80%	2.71%	2.94%
Wastewater O&M Growth								1.12%	1.82%	2.41%	7.48%	2.74%	2.63%	2.78%
Liquidated Encumbrances														**Direct O&M - 7**
Class 200 & Class 300 Costs		$128,452,353	$137,940,874	$151,148,301	$157,262,927	$155,200,606	$168,388,409	$171,871,596	$174,096,744	$178,036,347	$191,054,947	$196,077,301	$201,057,114	$206,582,285
Water							$ 62,386,588	$ 64,376,015	$ 65,343,415	$ 66,996,321	$ 70,617,874	$ 72,511,616	$ 74,368,358	$ 76,466,374
Sewer							$106,001,821	$107,495,581	$108,753,329	$111,040,026	$120,437,073	$123,565,685	$126,688,756	$130,115,911
Liquidated Encumbrances		22,707,000	22,225,000	20,802,000	31,148,000	37,436,342	23,411,000	33,049,042	33,476,914	34,234,456	36,737,792	37,703,536	38,661,100	39,723,530
Water Allocation							9,364,400	13,219,617	13,390,765	13,693,783	14,695,117	15,081,414	15,464,440	15,889,412
Sewer Allocation							14,046,600	19,829,425	20,086,148	20,540,674	22,042,675	22,622,122	23,196,660	23,834,118
Direct Expenses Net of Liquidated Encumbrances		200,221,595	207,538,606	223,877,963	223,970,655	217,493,472	251,513,895	245,816,444	250,740,335	257,141,099	274,121,982	281,690,240	289,103,191	297,222,798
Water Allocation							96,801,475	95,002,153	97,081,872	99,753,071	104,929,143	107,833,515	110,662,949	113,814,637
Sewer Allocation							154,712,420	150,814,290	153,658,463	157,388,028	169,192,839	173,856,726	178,440,242	183,408,161
Net Expense Ratio														
Water							85.0%	79.5%	79.5%	79.6%	79.2%	79.2%	79.2%	79.2%
Sewer							86.7%	81.6%	81.5%	81.5%	81.7%	81.7%	81.7%	81.7%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation Finance & Admin														Direct O&M - 8	
								Adjustments							
Finance															
Class 100 - xxxxxxxxxx	-														
Class 100 - All Other	2,550,200														
Class 100 - Total	2,550,200							-	-	-	-	-	-	-	-
Class 200 - Residential St	-														
Class 200 - Non-Res Stor	-														
Class 200 - Wastewater C	-														
Class 200 - Green Initiati	-														
Class 200 - Customer (Gr	-							-	0	0	0	2,284,570	2,207,314	2,132,670	2,060,551
Class 200 - Customer (Ba	-									1,899,071	1,861,834				
Class 200 - All Other	7,297,500									(1,899,071)	(1,861,834)				
Class 200 - Total	7,297,500							-	0	0	0	2,284,570	2,207,314	2,132,670	2,060,551
Class 2xx - xxxxxxxxxx	11,450,000							2,000,000	-	0	0	3,550,000	3,550,000	3,550,000	3,550,000
Class 2xx - All Other	-														
Class 2xx - Total (SMIP &	11,450,000							2,000,000	-	0	0	3,550,000	3,550,000	3,550,000	3,550,000
Class 300 - xxxxxxxxxx	-														
Class 300 - All Other	86,200														
Class 300 - Total	86,200							-	-	-	-	-	-	-	-
Class 400 - xxxxxxxxxx	-														
Class 400 - All Other	37,800														
Class 400 - Total	37,800							-	-	-	-	-	-	-	-
Class 500 - xxxxxxxxxx	-														
Class 500 - All Other	0														
Class 500 - Total	0							-	-	-	-	-	-	-	-
Class 800 - xxxxxxxxxx	-														
Class 800 - All Other	10,537,000														
Class 800 - Total	10,537,000							-	-	-	-	-	-	-	-
Subtotal Finance	31,958,700							2,000,000	0	0	0	5,834,570	5,757,314	5,682,670	5,610,551

Cost Center/Expense Class	Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Finance														
Class 100 - xxxxxxxxxx							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 100 - All Other							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 100 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 200 - Residential Stormwater Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 200 - Non-Res Stormwater Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 200 - Wastewater Collection Mains							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 200 - Green Initiatives (LTCP)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 200 - Customer (Grants)							0.00%	0.00%	0.00%	0.00%	23.84%	23.22%	22.62%	22.02%
Class 200 - Customer (Basis2)							0.00%	0.00%	26.02%	25.51%	0.00%	0.00%	0.00%	0.00%
Class 200 - All Other							100.00%	100.00%	73.98%	74.49%	76.16%	76.78%	77.38%	77.98%
Class 200 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 2xx - xxxxxxxxxx							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 2xx - All Other							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 2xx - Total (SMIP & GARP)							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 300 - xxxxxxxxxx							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 300 - All Other							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 300 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 400 - xxxxxxxxxx							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 400 - All Other							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 400 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 500 - xxxxxxxxxx							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 500 - All Other							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 500 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 800 - xxxxxxxxxx							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Class 800 - All Other							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Class 800 - Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Class 100														Direct O&M - 9	
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	3,006,109														
Queen Lane Treatment Pla	2,933,704														
Belmont Treatment Plant	2,946,796														
Conveyance Headquarters	-														
Load Control	1,690,029														
Distribution	14,163,159														
Pumping (b)	2,491,856														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	-														
NEWPCP	6,463,364														
SWWPCP	6,531,210														
SEWPCP	3,617,585														
Industrial Waste	1,169,123														
Sewer Maintenance	9,361,864														
Inlet Cleaning	4,624,570														
Interceptors/Flow Control	3,973,671														
Data & Flow Control	-														
Collector System Support	892,159														
Allocated Costs															
Treatment Headquarters (	424,505														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	4,666,927														
Materials Management (5	1,707,657														
Customer Service (50/50)	1,391,789														
Warranty Program	-														
Meter Shop (50/50)	2,459,023							-	-	-	-	(48,000)	(295,000)	(593,000)	(737,000)
Automotive Maintenance	-														
Total	74,515,100							-	-	-	-	(48,000)	(295,000)	(593,000)	(737,000)

Cost Center/Expense Class	Escalation Reference	Historical					Study Period							
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							4.03%	4.03%	4.03%	4.03%	4.04%	4.05%	4.07%	4.07%
Queen Lane Treatment Plant							3.94%	3.94%	3.94%	3.94%	3.94%	3.95%	3.97%	3.98%
Belmont Treatment Plant							3.95%	3.95%	3.95%	3.95%	3.96%	3.97%	3.99%	3.99%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							2.27%	2.27%	2.27%	2.27%	2.27%	2.28%	2.29%	2.29%
Distribution							19.01%	19.01%	19.01%	19.01%	19.02%	19.08%	19.16%	19.20%
Pumping (b)							3.34%	3.34%	3.34%	3.34%	3.35%	3.36%	3.37%	3.38%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NEWPCP							8.67%	8.67%	8.67%	8.67%	8.68%	8.71%	8.74%	8.76%
SWWPCP							8.76%	8.76%	8.76%	8.76%	8.77%	8.80%	8.84%	8.85%
SEWPCP							4.85%	4.85%	4.85%	4.85%	4.86%	4.87%	4.89%	4.90%
Industrial Waste							1.57%	1.57%	1.57%	1.57%	1.57%	1.58%	1.58%	1.58%
Sewer Maintenance							12.56%	12.56%	12.56%	12.56%	12.57%	12.61%	12.66%	12.69%
Inlet Cleaning							6.21%	6.21%	6.21%	6.21%	6.21%	6.23%	6.26%	6.27%
Interceptors/Flow Control							5.33%	5.33%	5.33%	5.33%	5.34%	5.35%	5.38%	5.39%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							1.20%	1.20%	1.20%	1.20%	1.20%	1.20%	1.21%	1.21%
Allocated Costs														
Treatment Headquarters (50/50)							0.57%	0.57%	0.57%	0.57%	0.57%	0.57%	0.57%	0.58%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							6.26%	6.26%	6.26%	6.26%	6.27%	6.29%	6.31%	6.33%
Materials Management (50/50)							2.29%	2.29%	2.29%	2.29%	2.29%	2.30%	2.31%	2.31%
Customer Service (50/50)							1.87%	1.87%	1.87%	1.87%	1.87%	1.88%	1.88%	1.89%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							3.30%	3.30%	3.30%	3.30%	3.24%	2.92%	2.52%	2.33%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Power														Direct O&M - 10	
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	125,000														
Queen Lane Treatment Pla	80,000														
Belmont Treatment Plant	65,000														
Conveyance Headquarters	-														
Load Control	1,300,000														
Distribution	-														
Pumping (b)	-														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	200,000														
NEWPCP	400,000														
SWWPCP	725,000														
SEWPCP	210,000														
Industrial Waste	-														
Sewer Maintenance	100,000														
Inlet Cleaning	-														
Interceptors/Flow Control	700,000														
Data & Flow Control	-														
Collector System Support	-														
Allocated Costs															
Treatment Headquarters (	-														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	23,940,000														
Materials Management (5	-														
Customer Service (50/50)	-														
Warranty Program	-														
Meter Shop (50/50)	-														
Automotive Maintenance	-														
Total	27,845,000							-	-	-	-	-	-	-	-

Cost Center/Expense Class	Escalation Reference	Historical					Study Period							
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%
Queen Lane Treatment Plant							0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%
Belmont Treatment Plant							0.23%	0.23%	0.23%	0.23%	0.23%	0.23%	0.23%	0.23%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							4.67%	4.67%	4.67%	4.67%	4.67%	4.67%	4.67%	4.67%
Distribution							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pumping (b)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%
NEWPCP							1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%
SWWPCP							2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%
SEWPCP							0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%
Industrial Waste							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Maintenance							0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%
Inlet Cleaning							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Interceptors/Flow Control							2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Allocated Costs														
Treatment Headquarters (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							85.98%	85.98%	85.98%	85.98%	85.98%	85.98%	85.98%	85.98%
Materials Management (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Customer Service (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Class 200 Excl. Power														Direct O&M - 11	
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	1,421,000														
Queen Lane Treatment Pla	974,000														
Belmont Treatment Plant	483,000														
Conveyance Headquarters	-														
Load Control	1,386,000														
Distribution	1,146,000														
Pumping (b)	418,000														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	24,635,000														
NEWPCP	10,545,000														
SWWPCP	2,868,000														
SEWPCP	979,000														
Industrial Waste	62,000														
Sewer Maintenance	3,005,300														
Inlet Cleaning	45,400														
Interceptors/Flow Control	3,593,000														
Data & Flow Control	-														
Collector System Support	8,200														
Allocated Costs															
Treatment Headquarters (	263,000														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	7,078,800														
Materials Management (5	225,000														
Customer Service (50/50)	3,705,000														
Warranty Program	-														
Meter Shop (50/50)	2,225,000							-	-	-	-	(139,000)	(639,000)	(1,347,000)	(1,698,000)
Automotive Maintenance	-														
Total	65,065,700							-	-	-	-	(139,000)	(639,000)	(1,347,000)	(1,698,000)

Cost Center/Expense Class	Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							2.18%	2.18%	2.18%	2.18%	2.19%	2.21%	2.23%	2.24%
Queen Lane Treatment Plant							1.50%	1.50%	1.50%	1.50%	1.50%	1.51%	1.53%	1.54%
Belmont Treatment Plant							0.74%	0.74%	0.74%	0.74%	0.74%	0.75%	0.76%	0.76%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							2.13%	2.13%	2.13%	2.13%	2.13%	2.15%	2.18%	2.19%
Distribution							1.76%	1.76%	1.76%	1.76%	1.77%	1.78%	1.80%	1.81%
Pumping (b)							0.64%	0.64%	0.64%	0.64%	0.64%	0.65%	0.66%	0.66%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							37.86%	37.86%	37.86%	37.86%	37.94%	38.24%	38.66%	38.88%
NEWPCP							16.21%	16.21%	16.21%	16.21%	16.24%	16.37%	16.55%	16.64%
SWWPCP							4.41%	4.41%	4.41%	4.41%	4.42%	4.45%	4.50%	4.53%
SEWPCP							1.50%	1.50%	1.50%	1.50%	1.51%	1.52%	1.54%	1.54%
Industrial Waste							0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
Sewer Maintenance							4.62%	4.62%	4.62%	4.62%	4.63%	4.66%	4.72%	4.74%
Inlet Cleaning							0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
Interceptors/Flow Control							5.52%	5.52%	5.52%	5.52%	5.53%	5.58%	5.64%	5.67%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Allocated Costs														
Treatment Headquarters (50/50)							0.40%	0.40%	0.40%	0.40%	0.41%	0.41%	0.41%	0.42%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							10.88%	10.88%	10.88%	10.88%	10.90%	10.99%	11.11%	11.17%
Materials Management (50/50)							0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.36%
Customer Service (50/50)							5.69%	5.69%	5.69%	5.69%	5.71%	5.75%	5.81%	5.85%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							3.42%	3.42%	3.42%	3.42%	3.21%	2.46%	1.38%	0.83%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Chemicals															Direct O&M - 12
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	9,406,400														
Queen Lane Treatment Pla	5,306,000														
Belmont Treatment Plant	4,575,000														
Conveyance Headquarters	-														
Load Control	-														
Distribution	34,000														
Pumping (b)	3,000														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	-														
NEWPCP	778,000														
SWWPCP	465,000														
SEWPCP	450,000														
Industrial Waste	3,100														
Sewer Maintenance	10,300														
Inlet Cleaning	-														
Interceptors/Flow Control	1,503,000														
Data & Flow Control	-														
Collector System Support	-														
Allocated Costs															
Treatment Headquarters (	2,000														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	-														
Materials Management (5	40,000														
Customer Service (50/50)	-														
Warranty Program	-														
Meter Shop (50/50)	-							-	-	-	-	217,000	331,000	338,000	345,000
Automotive Maintenance	-														
Total	22,575,800							-	-	-	-	217,000	331,000	338,000	345,000

Cost Center/Expense Class	Escalation Reference	Historical					Study Period							
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							41.67%	41.67%	41.67%	41.67%	41.27%	41.06%	41.05%	41.04%
Queen Lane Treatment Plant							23.50%	23.50%	23.50%	23.50%	23.28%	23.16%	23.16%	23.15%
Belmont Treatment Plant							20.27%	20.27%	20.27%	20.27%	20.07%	19.97%	19.97%	19.96%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Distribution							0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
Pumping (b)							0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NEWPCP							3.45%	3.45%	3.45%	3.45%	3.41%	3.40%	3.40%	3.39%
SWWPCP							2.06%	2.06%	2.06%	2.06%	2.04%	2.03%	2.03%	2.03%
SEWPCP							1.99%	1.99%	1.99%	1.99%	1.97%	1.96%	1.96%	1.96%
Industrial Waste							0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Sewer Maintenance							0.05%	0.05%	0.05%	0.05%	0.05%	0.04%	0.04%	0.04%
Inlet Cleaning							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Interceptors/Flow Control							6.66%	6.66%	6.66%	6.66%	6.59%	6.56%	6.56%	6.56%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Allocated Costs														
Treatment Headquarters (50/50)							0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Materials Management (50/50)							0.18%	0.18%	0.18%	0.18%	0.18%	0.17%	0.17%	0.17%
Customer Service (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							0.00%	0.00%	0.00%	0.00%	0.95%	1.44%	1.48%	1.51%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Class 300 Excl. Chemicals															Direct O&M - 13
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	1,292,000														
Queen Lane Treatment Pla	909,000														
Belmont Treatment Plant	579,000														
Conveyance Headquarters	-														
Load Control	131,000														
Distribution	296,000														
Pumping (b)	501,000														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	50,000														
NEWPCP	1,856,000														
SWWPCP	1,132,000														
SEWPCP	1,406,000														
Industrial Waste	46,700														
Sewer Maintenance	705,400														
Inlet Cleaning	116,200														
Interceptors/Flow Control	672,500														
Data & Flow Control	-														
Collector System Support	2,100														
Allocated Costs															
Treatment Headquarters (	8,100														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	786,100														
Materials Management (5	7,633,000														
Customer Service (50/50)	33,000														
Warranty Program	-														
Meter Shop (50/50)	131,000														
Automotive Maintenance	-														
Total	18,286,100							-	-	-	-	-	-	-	-

Cost Center/Expense Class	Escalation Reference	Historical					Study Period							
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%	7.07%
Queen Lane Treatment Plant							4.97%	4.97%	4.97%	4.97%	4.97%	4.97%	4.97%	4.97%
Belmont Treatment Plant							3.17%	3.17%	3.17%	3.17%	3.17%	3.17%	3.17%	3.17%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%
Distribution							1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%
Pumping (b)							2.74%	2.74%	2.74%	2.74%	2.74%	2.74%	2.74%	2.74%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%
NEWPCP							10.15%	10.15%	10.15%	10.15%	10.15%	10.15%	10.15%	10.15%
SWWPCP							6.19%	6.19%	6.19%	6.19%	6.19%	6.19%	6.19%	6.19%
SEWPCP							7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%
Industrial Waste							0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%
Sewer Maintenance							3.86%	3.86%	3.86%	3.86%	3.86%	3.86%	3.86%	3.86%
Inlet Cleaning							0.64%	0.64%	0.64%	0.64%	0.64%	0.64%	0.64%	0.64%
Interceptors/Flow Control							3.68%	3.68%	3.68%	3.68%	3.68%	3.68%	3.68%	3.68%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Allocated Costs														
Treatment Headquarters (50/50)							0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							4.30%	4.30%	4.30%	4.30%	4.30%	4.30%	4.30%	4.30%
Materials Management (50/50)							41.74%	41.74%	41.74%	41.74%	41.74%	41.74%	41.74%	41.74%
Customer Service (50/50)							0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Detailed Allocation of Operations Class 400															Direct O&M - 14
								Adjustments							
Water Direct Costs															
Baxter Treatment Plant	558,000														
Queen Lane Treatment Pla	35,000														
Belmont Treatment Plant	47,000														
Conveyance Headquarters	-														
Load Control	30,000														
Distribution	278,000														
Pumping (b)	41,000														
Emergency & Support Ser	-														
Sewer Direct Costs															
Biosolids Engr Services	-														
Biosolids Utilization	-														
Biosolids Processing	-														
NEWPCP	212,000														
SWWPCP	189,000														
SEWPCP	169,000														
Industrial Waste	5,000														
Sewer Maintenance	48,500														
Inlet Cleaning	29,500														
Interceptors/Flow Control	13,000														
Data & Flow Control	-														
Collector System Support	-														
Allocated Costs															
Treatment Headquarters (	5,000														
Machine Shops (50/50)	-														
Building Maintenance (50,	-														
Security (50/50)	-														
Operations Admin/Delinq	108,000														
Materials Management (5	2,000														
Customer Service (50/50)	17,000														
Warranty Program	-														
Meter Shop (50/50)	11,000														
Automotive Maintenance	-														
Total	1,798,000							-	-	-	-	-	-	-	-

Cost Center/Expense Class	Escalation Reference	Historical					Study Period							
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
							Distribution based on Adjusted Costs							
Water Direct Costs														
Baxter Treatment Plant							31.03%	31.03%	31.03%	31.03%	31.03%	31.03%	31.03%	31.03%
Queen Lane Treatment Plant							1.95%	1.95%	1.95%	1.95%	1.95%	1.95%	1.95%	1.95%
Belmont Treatment Plant							2.61%	2.61%	2.61%	2.61%	2.61%	2.61%	2.61%	2.61%
Conveyance Headquarters							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Load Control							1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%
Distribution							15.46%	15.46%	15.46%	15.46%	15.46%	15.46%	15.46%	15.46%
Pumping (b)							2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%
Emergency & Support Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sewer Direct Costs														
Biosolids Engr Services							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Utilization							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Biosolids Processing							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NEWPCP							11.79%	11.79%	11.79%	11.79%	11.79%	11.79%	11.79%	11.79%
SWWPCP							10.51%	10.51%	10.51%	10.51%	10.51%	10.51%	10.51%	10.51%
SEWPCP							9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%	9.40%
Industrial Waste							0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
Sewer Maintenance							2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%
Inlet Cleaning							1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%	1.64%
Interceptors/Flow Control							0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%
Data & Flow Control							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Collector System Support							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Allocated Costs														
Treatment Headquarters (50/50)							0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
Machine Shops (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Building Maintenance (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Security (50/50)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operations Admin/Delinquencies/Plumbing. (50/50) (c)							6.01%	6.01%	6.01%	6.01%	6.01%	6.01%	6.01%	6.01%
Materials Management (50/50)							0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
Customer Service (50/50)							0.95%	0.95%	0.95%	0.95%	0.95%	0.95%	0.95%	0.95%
Warranty Program							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meter Shop (50/50)							0.61%	0.61%	0.61%	0.61%	0.61%	0.61%	0.61%	0.61%
Automotive Maintenance (35/65)							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
PWD Projected Direct O&M Budget														Direct O&M - 15	
Human Resources and Administration															
100	Salaries & Wages	Labor	$ 7,492,200	$ 7,512,500	$ 7,533,950	$ 7,726,550	$ 7,860,450	$ 8,673,039	$ 8,815,500	$ 9,079,965	$ 9,352,364	$ 10,030,935	$ 10,331,923	$ 10,641,581	$ 10,961,168
200	Services	Other 200	2,597,500	2,568,800	3,969,095	2,999,990	4,130,600	5,846,000	5,222,100	5,326,542	5,433,073	5,623,230	5,820,043	6,023,745	6,234,576
300	Materials and Supplies	Other 300	799,500	809,000	778,565	799,164	771,700	1,215,550	1,141,850	1,164,687	1,187,981	1,211,740	1,235,975	1,260,695	1,285,909
400	Equipment	Other 400	124,000	156,000	142,700	49,000	82,100	420,100	634,600	648,879	663,478	678,407	693,671	709,278	725,237
500	Contributions	General	10,000	100,000	100,000	100,000	100,000	100,000	100,000	102,000	104,040	107,161	110,376	113,687	117,098
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Human Resources and Administration			$ 11,023,200	$ 11,146,300	$ 12,524,310	$ 11,674,704	$ 12,944,850	$ 16,254,689	$ 15,914,050	$ 16,322,073	$ 16,740,936	$ 17,651,473	$ 18,191,988	$ 18,748,986	$ 19,323,988
Finance															
100	Salaries & Wages	Labor	$ 1,784,500	$ 1,929,500	$ 1,602,950	$ 2,006,100	$ 2,181,400	$ 2,472,925	$ 2,550,200	$ 2,626,706	$ 2,705,507	$ 2,846,672	$ 2,932,273	$ 3,020,381	$ 3,111,072
200	Services	Other 200	10,945,000	12,501,800	7,241,405	13,768,110	7,491,000	7,322,500	7,297,500	6,621,450	7,592,319	9,773,050	10,071,082	10,378,740	10,697,361
2xx	SMIP/GARP	Constant	-	-	5,050,000	5,175,000	5,200,000	10,250,000	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies	Constant	419,500	702,000	752,735	806,436	816,400	436,200	86,200	86,200	86,200	86,200	86,200	86,200	86,200
400	Equipment	Other 300	517,000	244,000	599,800	610,800	560,800	10,800	37,800	38,556	39,327	40,114	40,916	41,734	42,569
500	Contributions	Other 400	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	9,500,000	10,630,000	10,948,900	12,605,000	13,243,100	14,000,000	10,537,000	10,747,740	10,962,695	11,291,576	11,630,323	11,979,233	12,338,610
Subtotal Finance			$ 23,166,000	$ 26,007,300	$ 26,195,790	$ 34,971,446	$ 29,492,700	$ 34,492,425	$ 31,958,700	$ 31,570,652	$ 32,836,048	$ 39,037,612	$ 39,760,793	$ 40,506,287	$ 41,275,811
Planning and Engineering															
100	Salaries & Wages	Labor	$ 1,450,250	$ 1,449,595	$ 1,198,100	$ 1,215,300	$ 1,268,860	$ 1,231,738	$ 1,225,000	$ 1,261,750	$ 1,299,603	$ 1,868,591	$ 1,924,748	$ 1,982,111	$ 2,041,714
200	Services	Other 200	542,650	528,000	488,000	732,500	498,500	492,900	497,500	507,450	517,599	535,715	554,465	573,871	593,957
300	Materials and Supplies	Other 300	143,500	147,000	146,000	148,100	177,300	198,000	187,500	191,250	195,075	198,977	202,956	207,015	211,155
400	Equipment	Other 400	184,000	228,000	79,000	111,500	220,000	59,000	59,000	60,328	61,685	63,073	64,492	65,943	67,427
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning and Engineering			$ 2,320,400	$ 2,352,595	$ 1,911,100	$ 2,207,400	$ 2,164,660	$ 1,981,638	$ 1,969,000	$ 2,020,778	$ 2,073,961	$ 2,666,355	$ 2,746,661	$ 2,828,940	$ 2,914,253
Operations															
100	Salaries & Wages	Labor	$ 68,803,000	$ 68,805,000	$ 69,949,000	$ 70,297,400	$ 69,343,900	$ 71,357,193	$ 74,515,100	$ 76,750,553	$ 79,053,070	$ 82,136,662	$ 84,355,402	$ 86,596,424	$ 89,068,926
200	Services	Other 200	50,841,500	49,453,000	53,255,000	57,556,100	64,948,600	63,381,100	65,065,700	66,367,014	67,694,354	70,555,657	72,431,885	74,280,941	76,576,829
220	Power	Energy	20,195,000	26,266,000	27,128,000	29,362,900	26,994,900	25,714,000	27,845,000	27,845,000	27,845,000	28,541,125	29,254,653	29,986,019	30,735,670
300	Materials and Supplies	Other 300	15,451,000	15,358,000	16,332,000	17,255,800	17,240,200	17,855,400	18,286,100	18,651,822	19,024,858	20,192,356	20,709,463	21,127,332	21,556,119
307	Chemicals	Chemicals	29,225,000	23,845,000	22,502,000	23,537,400	23,435,500	23,668,950	22,575,800	23,320,801	24,090,388	24,885,371	25,706,588	26,554,905	27,431,217
400	Equipment	Other 400	1,748,000	1,330,000	2,033,000	1,527,800	1,980,700	1,577,800	1,798,000	1,838,455	1,879,820	2,052,116	2,100,364	2,149,584	2,199,800
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operations			$186,263,500	$185,057,000	$191,199,000	$199,537,400	$203,943,800	$203,554,443	$210,085,700	$214,773,645	$219,587,490	$228,363,286	$234,558,354	$240,695,205	$247,568,561
Planning & Environmental Services															
100	Salaries & Wages	Labor	$ 8,775,750	$ 9,500,405	$ 9,353,800	$ 10,316,700	$ 10,944,400	$ 12,569,537	$ 13,024,700	$ 13,415,441	$ 13,817,904	$ 15,380,441	$ 16,022,415	$ 16,503,197	$ 16,998,173
200	Services	Other 200	15,750,500	16,637,700	18,102,800	19,579,700	19,299,800	22,374,200	25,254,200	25,759,284	26,274,470	28,194,076	29,145,869	30,130,974	31,150,558
300	Materials and Supplies	Other 300	1,387,500	1,342,500	1,298,500	1,362,100	1,179,600	1,349,600	1,408,100	1,436,262	1,464,987	1,494,287	1,524,173	1,554,656	1,585,749
400	Equipment	Other 400	2,733,542	2,315,160	783,400	930,500	886,400	583,650	853,450	872,653	892,287	912,364	932,892	953,882	975,344
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Planning & Environmental Services			$ 28,647,292	$ 29,795,765	$ 29,538,500	$ 32,189,000	$ 32,310,200	$ 36,876,987	$ 40,540,450	$ 41,483,640	$ 42,449,648	$ 45,981,168	$ 47,625,348	$ 49,142,709	$ 50,709,825

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021	2022
Public Affairs															
100	Salaries & Wages	Labor	$ 2,169,300	$ 2,198,000	$ 2,203,200	$ 2,301,900	$ 2,424,900	$ 2,755,277	$ 2,831,100	$ 2,916,033	$ 3,003,514	$ 3,199,619	$ 3,295,428	$ 3,394,021	$ 3,495,481
200	Services	Other 200	2,563,277	2,923,000	3,874,500	7,645,200	7,767,700	8,712,700	9,013,200	9,193,464	9,377,333	9,705,540	10,045,234	10,396,817	10,760,706
300	Materials and Supplies	Other 300	324,900	334,300	320,800	320,800	371,800	372,800	376,300	383,826	391,503	399,333	407,319	415,466	423,775
400	Equipment	Other 400	41,300	12,100	12,500	15,500	15,500	15,500	15,500	15,849	16,205	16,570	16,943	17,324	17,714
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Affairs			$ 5,098,777	$ 5,467,400	$ 6,411,000	$ 10,283,400	$ 10,579,900	$ 11,856,277	$ 12,236,100	$ 12,509,172	$ 12,788,555	$ 13,321,062	$ 13,764,924	$ 14,223,627	$ 14,697,676
PWD Operating and Maintenance Expenses Summary															
100	Salaries & Wages		$ 90,475,000	$ 91,395,000	$ 91,841,000	$ 93,863,950	$ 94,023,910	$ 99,059,709	$102,961,600	$106,050,448	$109,231,961	$115,462,920	$118,862,188	$122,137,714	$125,676,535
200	Services		83,240,427	84,612,300	86,930,800	102,281,600	104,136,200	108,129,400	112,350,200	113,775,204	116,889,148	124,387,268	128,068,578	131,785,088	136,013,986
220	Power		20,195,000	26,266,000	27,128,000	29,362,900	26,994,900	25,714,000	27,845,000	27,845,000	27,845,000	28,541,125	29,254,653	29,986,019	30,735,670
2xx	SMIP/GARP		-	-	5,050,000	5,175,000	5,200,000	10,250,000	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies		18,525,900	18,692,800	19,628,600	20,692,400	20,557,000	21,427,550	21,486,050	21,914,047	22,350,604	23,582,892	24,166,086	24,651,364	25,148,907
307	Chemicals		29,225,000	23,845,000	22,502,000	23,537,400	23,435,500	23,668,950	22,575,800	23,320,801	24,090,388	24,885,371	25,706,588	26,554,905	27,431,217
400	Equipment		5,347,842	4,285,260	3,650,400	3,245,100	3,745,500	2,666,850	3,398,350	3,474,718	3,552,803	3,762,643	3,849,277	3,937,746	4,028,091
500	Contributions		10,000	100,000	100,000	100,000	100,000	100,000	100,000	102,000	104,040	107,161	110,376	113,687	117,098
800	Transfers		9,500,000	10,630,000	10,948,900	12,605,000	13,243,100	14,000,000	10,537,000	10,747,740	10,962,695	11,291,576	11,630,323	11,979,233	12,338,610
Total PWD Operating and Maintenance Expenses Summary			############	############	############	############	############	############	############	############	############	############	############	############	############

GRAPH DATA		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Salaries & Wages	100	83,359,415	82,504,470	82,374,874	85,257,975	89,595,130	98,442,849	98,082,015	101,024,475	104,055,209	110,130,865	113,370,171	116,480,937	119,850,055
Services	200	71,064,487	76,053,146	83,015,593	86,645,730	87,621,629	95,337,422	97,587,297	98,717,043	101,529,824	108,490,368	111,615,285	114,755,930	118,388,808
Power	220	20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045	24,808,121
Materials and Supplies	300	15,268,705	15,175,712	18,027,143	18,713,545	16,672,141	16,700,350	18,188,975	18,552,754	18,923,809	20,089,285	20,604,331	21,020,098	21,446,740
Chemicals	307	21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041	26,938,616
Equipment	400	1,617,958	1,564,000	2,082,059	1,804,839	2,419,659	1,849,016	2,366,736	2,419,988	2,474,438	2,660,112	2,722,040	2,785,248	2,849,766
Contributions	500	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers	800	9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Insert New Year of Data

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Budget								Actual							
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009	
														Direct O&M - 1	
$ 8,815,500	$ 8,673,039	$ 7,860,450	$ 7,726,550	$ 7,533,950	$ 7,512,500	$ 7,492,200	$ 7,797,800	$ 8,502,816	$ 7,650,763	$ 6,911,366	$ 6,591,224	$ 6,782,159	$ 7,003,220	$ 7,354,463	
5,222,100	5,846,000	4,130,600	2,999,990	3,969,095	2,568,800	2,597,500	2,535,400	4,562,319	3,277,947	2,019,108	2,676,000	1,856,758	1,725,940	1,784,805	
1,141,850	1,215,550	771,700	799,164	778,565	809,000	799,500	810,900	725,233	632,835	575,822	474,539	579,242	550,431	669,285	
634,600	420,100	82,100	49,000	142,700	156,000	124,000	60,300	413,078	140,816	46,389	111,049	24,547	67,500	15,700	
100,000	100,000	100,000	100,000	100,000	100,000	10,000	100,000		-	-	-	-	-	-	
-	-	-	-	-	-	-	-		-	-	-	-	-	-	
$ 15,914,050	$ 16,254,689	$ 12,944,850	$ 11,674,704	$ 12,524,310	$ 11,146,300	$ 11,023,200	$ 11,304,400	$ 14,203,446	$ 11,702,361	$ 9,552,685	$ 9,852,812	$ 9,242,706	$ 9,347,091	$ 9,824,253	
$ 2,550,200	$ 2,472,925	$ 2,181,400	$ 2,006,100	$ 1,602,950	$ 1,929,500	$ 1,784,500	$ 1,897,200	$ 2,170,853	$ 1,849,144	$ 1,472,571	$ 1,388,706	$ 1,393,850	$ 1,186,788	$ 1,539,631	
7,297,500	7,322,500	7,491,000	13,768,110	7,241,405	12,501,800	10,945,000	6,151,100	4,811,153	4,366,100	5,577,954	9,206,767	10,311,521	5,044,204	3,991,350	
11,450,000	10,250,000	5,200,000	5,175,000	5,050,000				11,598,134	5,020,143	4,925,776	5,025,000				
86,200	436,200	816,400	806,436	752,735	702,000	419,500	374,100	23,023	124,596	383,299	598,960	661,729	458,592	381,579	
37,800	10,800	560,800	610,800	599,800	244,000	517,000	556,700	-	521,252	244,778	527,642	86,002	(53,111)	126,185	
-	-	-	-	-	-	-	-					-			
10,537,000	14,000,000	13,243,100	12,605,000	10,948,900	10,630,000	9,500,000	9,000,000	6,244,621	7,714,419	10,792,914	9,074,729	7,754,262	9,498,869	10,396,707	Includes 801 Payments to General Fund only
$ 31,958,700	$ 34,492,425	$ 29,492,700	$ 34,971,446	$ 26,195,790	$ 26,007,300	$ 23,166,000	$ 17,979,100	$ 24,847,784	$ 19,595,654	$ 23,397,293	$ 25,821,804	$ 20,207,364	$ 16,135,342	$ 16,435,452	
$ 1,225,000	$ 1,231,738	$ 1,268,860	$ 1,215,300	$ 1,198,100	$ 1,449,595	$ 1,450,250	$ 1,413,300	$ 1,199,514	$ 1,043,846	$ 1,057,108	$ 1,028,722	$ 1,449,595	$ 1,323,931	$ 1,241,614	
497,500	492,900	498,500	732,500	488,000	528,000	542,650	602,045	297,188	155,719	235,838	259,551	528,000	301,450	484,008	
187,500	198,000	177,300	148,100	146,000	147,000	143,500	148,500	102,067	105,252	191,888	133,233	147,000	134,435	136,425	
59,000	59,000	220,000	111,500	79,000	228,000	184,000	158,000	14,614	27,449	30,333	28,435	228,000	54,497	55,464	
-	-	-	-	-	-	-	-			-	-	-	-	-	
-	-	-	-	-	-	-	-			-	-	-	-	-	
$ 1,969,000	$ 1,981,638	$ 2,164,660	$ 2,207,400	$ 1,911,100	$ 2,352,595	$ 2,320,400	$ 2,321,845	$ 1,613,383	$ 1,332,266	$ 1,515,167	$ 1,449,941	$ 2,352,595	$ 1,814,313	$ 1,917,511	
$ 74,515,100	$ 71,357,193	$ 69,343,900	$ 70,297,400	$ 69,949,000	$ 68,805,000	$ 68,803,000	$ 72,230,000	$ 71,789,745	$ 65,710,338	$ 63,390,240	$ 62,092,417	$ 62,637,659	$ 63,510,492	$ 66,471,872	
65,065,700	63,381,100	64,948,600	57,556,100	53,255,000	49,453,000	50,841,500	51,709,700	55,277,653	55,165,835	53,779,374	49,900,039	44,989,464	46,195,838	44,110,812	
27,845,000	25,714,000	26,994,900	29,362,900	27,128,000	26,266,000	20,195,000	20,308,000	20,427,534	21,440,579	24,375,674	24,841,360	27,311,199	20,191,277	20,304,531	
18,286,100	17,855,400	17,240,200	17,255,800	16,332,000	15,358,000	15,451,000	15,411,750	14,703,881	14,625,464	16,475,057	15,651,859	12,662,984	12,986,710	12,492,066	
22,575,800	23,668,950	23,435,500	23,537,400	22,502,000	23,845,000	29,225,000	24,555,500	22,324,969	24,446,114	22,602,203	20,239,205	19,400,817	21,927,884	21,445,380	
1,798,000	1,577,800	1,980,700	1,527,800	2,033,000	1,330,000	1,748,000	1,877,585	1,219,613	1,172,215	994,870	1,356,406	549,906	953,855	641,703	
-	-	-	-	-	-	-	-			-	-	-	-	-	
-	-	-	-	-	-	-	-			-	-	-	-	-	
$ 210,085,700	$ 203,554,443	$ 203,943,800	$ 199,537,400	$ 191,199,000	$ 185,057,000	$ 186,263,500	$ 186,092,535	$185,743,395	$182,560,545	$181,617,418	$174,081,286	$167,552,029	$165,766,056	$165,466,364	
$ 13,024,700	$ 12,569,537	$ 10,944,400	$ 10,316,700	$ 9,353,800	$ 9,500,405	$ 8,775,750	$ 9,232,977	$ 12,135,854	$ 11,080,774	$ 10,315,992	$ 9,163,710	$ 8,437,905	$ 8,578,791	$ 8,321,353	
25,254,200	22,374,200	19,299,800	19,579,700	18,102,800	16,637,700	15,750,500	17,412,193	22,388,075	17,411,374	18,442,417	16,447,254	15,276,152	15,280,610	12,349,513	
1,408,100	1,349,600	1,179,600	1,362,100	1,298,500	1,342,500	1,387,500	1,229,350	989,788	1,015,983	867,520	962,010	903,646	908,893	1,165,525	
853,450	583,650	886,400	930,500	783,400	2,315,160	2,733,542	2,194,100	187,954	556,793	470,735	55,839	672,252	591,429	361,016	
$ 40,540,450	$ 36,876,987	$ 32,310,200	$ 32,189,000	$ 29,538,500	$ 29,795,765	$ 28,647,292	$ 30,068,620	$ 35,701,671	$ 30,064,924	$ 30,096,664	$ 26,628,813	$ 25,289,955	$ 25,359,723	$ 22,197,407	

Budget							
2016	2015	2014	2013	2012	2011	2010	2009
$ 2,831,100	$ 2,755,277	$ 2,424,900	$ 2,301,900	$ 2,203,200	$ 2,198,000	$ 2,169,300	$ 1,855,000
9,013,200	8,712,700	7,767,700	7,645,200	3,874,500	2,923,000	2,563,277	2,522,200
376,300	372,800	371,800	320,800	320,800	334,300	324,900	309,400
15,500	15,500	15,500	15,500	12,500	12,100	41,300	45,100
		-	-	-	-	-	-
		-	-	-	-	-	-
$ 12,236,100	$ 11,856,277	$ 10,579,900	$ 10,283,400	$ 6,411,000	$ 5,467,400	$ 5,098,777	$ 4,731,700
$ 102,961,600	$ 99,059,709	$ 94,023,910	$ 93,863,950	$ 91,841,000	$ 91,395,000	$ 90,475,000	$ 94,426,277
112,350,200	108,129,400	104,136,200	102,281,600	86,930,800	84,612,300	83,240,427	80,932,638
27,845,000	25,714,000	26,994,900	29,362,900	27,128,000	26,266,000	20,195,000	20,308,000
11,450,000	10,250,000	5,200,000	5,175,000	5,050,000	-	-	-
21,486,050	21,427,550	20,557,000	20,692,400	19,628,600	18,692,800	18,525,900	18,284,000
22,575,800	23,668,950	23,435,500	23,537,400	22,502,000	23,845,000	29,225,000	24,555,500
3,398,350	2,666,850	3,745,500	3,245,100	3,650,400	4,285,260	5,347,842	4,891,785
100,000	100,000	100,000	100,000	100,000	100,000	10,000	100,000
10,537,000	14,000,000	13,243,100	12,605,000	10,948,900	10,630,000	9,500,000	9,000,000
$ 312,704,000	**$ 305,016,459**	**$ 291,436,110**	**$ 290,863,350**	**$ 267,779,700**	**$ 259,826,360**	**$ 256,519,169**	**$ 252,498,200**
3.94%	5.36%	0.17%	2.20%	0.49%	1.02%	-4.18%	
3.90%	3.83%	1.81%	17.66%	2.74%	1.65%	2.85%	
8.29%	-4.74%	-8.06%	8.24%	3.28%	30.06%	-0.56%	
11.71%	97.12%	0.48%	2.48%				
0.27%	4.23%	-0.65%	5.42%	5.01%	0.90%	1.32%	
-4.62%	1.00%	-0.43%	4.60%	-5.63%	-18.41%	19.02%	
27.43%	-28.80%	15.42%	-11.10%	-14.81%	-19.87%	9.32%	
0.00%	0.00%	0.00%	0.00%	0.00%	900.00%	-90.00%	
-24.74%	5.72%	5.06%	15.13%	3.00%	11.89%	5.56%	
2.52%	4.66%	0.20%	8.62%	3.06%	1.29%	1.59%	
3.13%	2.55%	0.95%	1.23%	-0.92%			
3.18%	7.54%	7.17%	7.11%	2.41%			
-1.75%	-1.77%	0.92%	13.29%	10.13%			
30.31%	26.61%						
1.26%	2.97%	3.22%	3.76%	2.39%			
-1.38%	1.70%	-0.58%	-6.96%	-2.87%			
1.55%	-9.94%	-4.39%	-15.34%	-9.30%			
0.00%	0.00%	0.00%	115.44%	0.00%			
-5.80%	8.54%	7.60%	9.89%	6.75%			
2.44%	4.44%	3.90%	4.28%	1.98%			

Actual						
2015	2014	2013	2012	2011	2010	2009
$ 2,644,067	$ 2,260,265	$ 2,110,697	$ 2,110,095	$ 1,803,302	$ 1,756,193	$ 1,729,922
8,001,034	7,244,654	6,591,039	4,525,982	3,091,251	2,516,445	2,529,655
156,358	168,011	219,959	206,542	221,111	229,644	261,640
13,757	1,134	17,734	2,688	3,293	3,788	7,031
-	-	-	-	-	-	-
-	-	-	-	-	-	-
$ 10,815,216	$ 9,674,064	$ 8,939,429	$ 6,845,307	$ 5,118,957	$ 4,506,070	$ 4,528,248
$ 98,442,849	$ 89,595,130	$ 85,257,975	$ 82,374,874	$ 82,504,470	$ 83,359,415	$ 86,658,855
95,337,422	87,621,629	86,645,730	83,015,593	76,053,146	71,064,487	65,250,143
20,427,534	21,440,579	24,375,674	24,841,360	27,311,199	20,191,277	20,304,531
11,598,134	5,020,143	4,925,776	5,025,000	-	-	-
16,700,350	16,672,141	18,713,545	18,027,143	15,175,712	15,268,705	15,106,520
22,324,969	24,446,114	22,602,203	20,239,205	19,400,817	21,927,884	21,445,380
1,849,016	2,419,659	1,804,839	2,082,059	1,564,000	1,617,958	1,207,099
-	-	-	-	-	-	-
6,244,621	7,714,419	10,792,914	9,074,729	7,754,262	9,498,869	10,396,707
############	############	############	############	############	############	############
9.88%	5.09%	3.50%	-0.16%	-1.03%	-3.81%	
8.81%	1.13%	4.37%	9.15%	7.02%	8.91%	
-4.72%	-12.04%	-1.87%	-9.04%	35.26%	-0.56%	
131.03%	1.92%	-1.97%				
0.17%	-10.91%	3.81%	18.79%	-0.61%	1.07%	
-8.68%	8.16%	11.68%	4.32%	-11.52%	2.25%	
-23.58%	34.07%	-13.31%	33.12%	-3.33%	34.04%	
-19.05%	-28.52%	18.93%	17.03%	-18.37%	-8.64%	
7.06%	-0.07%	4.27%	6.49%	3.07%	1.16%	
6.12%	2.79%	0.75%	-1.68%			
4.72%	4.83%	6.83%	8.36%			
-6.31%	-7.75%	6.48%	6.95%			
32.16%						
-2.52%	3.18%	7.02%	6.07%			
3.32%	8.01%	1.01%	-1.91%			
-3.88%	15.66%	3.71%	19.93%			
-11.71%	-0.17%	4.35%	-4.43%			
3.71%	3.53%	4.60%	3.55%			

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 2

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 3

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 4

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 5

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 6
														Direct O&M - 7
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
30,000,000	22,000,000	22,000,000	20,000,000	20,000,000	17,000,000	17,000,000	15,000,000	19,351,000	37,436,342	31,148,000	20,802,000	22,225,000	22,707,000	18,720,000
(30,000,000)	(22,000,000)	(22,000,000)	(20,000,000)	(20,000,000)	(17,000,000)	(17,000,000)	(15,000,000)		(37,436,342)	(31,148,000)	(20,802,000)	(22,225,000)	(22,707,000)	(18,720,000)

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 8

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 9

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 10

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 11

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 12

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 13

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Direct O&M - 14

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														Direct O&M - 15

FUTURE REVISION - FORMULA CURRENTLY WORKS BUT MAY NOT ADJUS

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

T CORRECTLY TO INCORPORATE ADJUSTMENTS

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

PWD Cost of Service Rate Study
Cash Flow Analysis Model
Forecast of Inter Departmental Operating & Maintenance Expenses

O&M Adjustments:

TRUE	O&M Adj 1	Additional SMP Costs
TRUE	O&M Adj 2	General Fund Reimbursement (combined sewer outfall construction)
TRUE	O&M Adj 3	AMI
TRUE	O&M Adj 4	OOW Additional Staffing, and Class 200 Additions
TRUE	O&M Adj 5	Funding for Grants
TRUE	O&M Adj 6	HR & Admin Additional Staffing and Class 200 Revision
TRUE	O&M Adj 7	P&E Additional Staffing and Class 200 Costs
TRUE	O&M Adj 8	Finance Additional Staffing
TRUE	O&M Adj 9	Public Affairs Additional Staffing
TRUE	O&M Adj 10	Operations Add Package Adjustments
TRUE	O&M Adj 11	Affordability Program

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
PWD Inter Departmental O&M														Inter/Dept O&M - 1
Division of Technology														
100	Salaries & Wages	Labor	$ 4,080,157	$ 4,442,039	$ 3,994,808	$ 4,039,582	$ 4,621,214	$ 5,233,042	$ 5,114,671	$ 5,268,112	$ 5,426,155	$ 5,588,940	$ 5,756,608	$ 5,929,306
200	Services	Other 200	2,547,454	5,734,828	6,797,598	9,214,801	9,567,462	10,226,939	13,166,774	13,430,109	13,698,711	14,178,166	14,674,402	15,188,006
300	Materials and Supplies	Other 300	269,410	732,780	737,735	791,307	944,117	1,609,074	1,554,517	1,585,608	1,617,320	1,649,666	1,682,660	1,716,313
400	Equipment	Other 400	676	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Division of Technology			$ 6,897,697	$ 10,909,647	$ 11,530,141	$ 14,045,690	$ 15,132,793	$ 17,069,055	$ 19,835,962	$ 20,283,828	$ 20,742,186	$ 21,416,772	$ 22,113,669	$ 22,833,625
Mayor's Office of Transportation & Utilities														
100	Salaries & Wages	Labor	$ -	$ -	$ 56,160	$ 169,948	$ 208,176	$ 227,983	$ 196,326	$ 202,215	$ 208,282	$ 214,530	$ 220,966	$ 227,595
200	Services	Other 200	-	-	-	-	-	-	28,800	29,376	29,964	31,012	32,098	33,221
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ 56,160	$ 169,948	$ 208,176	$ 227,983	$ 225,126	$ 231,591	$ 238,245	$ 245,543	$ 253,064	$ 260,816
Police														
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property														
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Property Leases	3,613,895	2,500,266	3,725,560	3,739,360	3,786,428	3,959,919	4,042,633	4,005,055	4,195,582	4,275,707	4,357,599	4,444,751
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Property			$ 3,613,895	$ 2,500,266	$ 3,725,560	$ 3,739,360	$ 3,786,428	$ 3,959,919	$ 4,042,633	$ 4,005,055	$ 4,195,582	$ 4,275,707	$ 4,357,599	$ 4,444,751
Fleet Management														
100	Salaries & Wages	Labor	$ 1,969,686	$ 2,233,948	$ 2,387,074	$ 2,554,406	$ 2,521,284	$ 2,602,612	$ 2,694,544	$ 2,775,380	$ 2,858,641	$ 2,944,401	$ 3,032,733	$ 3,123,715
200	Services	Other 200	1,110,649	1,350,082	1,256,788	894,932	1,438,785	1,488,271	1,273,996	1,299,476	1,325,465	1,371,857	1,419,872	1,469,567
300	Materials and Supplies	Other 300	4,130,928	4,671,274	3,958,404	3,769,562	4,225,827	4,232,497	4,075,962	4,157,481	4,240,631	4,325,443	4,411,952	4,500,191
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Fleet Management			$ 7,211,263	$ 8,255,304	$ 7,602,266	$ 7,218,900	$ 8,185,896	$ 8,323,380	$ 8,044,502	$ 8,232,337	$ 8,424,738	$ 8,641,701	$ 8,864,557	$ 9,093,473
City Finance														
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits	Other Benefits	39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	57,660,823	59,983,857	62,983,761
191	Pension	Pension	20,744,208	32,719,112	38,770,167	35,507,147	38,305,052	40,861,335	38,822,195	39,761,757	40,420,756	41,164,576	41,751,803	43,004,357
190	Pension Obligations	Pension Obligations	6,749,386	9,449,462	9,843,048	20,452,252	22,450,403	11,415,451	20,845,197	20,845,197	20,845,197	20,845,197	20,845,197	20,845,197
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	4,896,811	5,383,670	3,046,915	5,090,210	6,036,098	3,840,767	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal City Finance			$ 72,364,781	$ 89,831,593	$ 90,055,332	$ 101,418,999	$ 107,835,896	$ 104,410,684	$ 114,014,519	$ 117,152,546	$ 120,176,056	$ 124,659,621	$ 127,569,882	$ 131,822,340
Revenue														
100	Salaries & Wages	Labor	$ 9,917,749	$ 9,557,122	$ 9,729,716	$ 10,020,393	$ 9,701,251	$ 10,013,594	$ 9,896,635	$ 10,193,534	$ 10,499,340	$ 10,814,320	$ 11,138,750	$ 11,472,912
200	Services	Other 200	7,007,095	3,371,322	3,677,818	4,020,068	4,133,603	4,241,117	4,494,166	4,584,049	4,675,730	4,839,381	5,008,759	5,184,065
300	Materials and Supplies	Other 300	752,772	650,423	525,300	561,421	688,157	630,784	538,628	549,401	560,389	571,596	583,028	594,689
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	243	170	315	170	481	1,273	1,203	1,203	1,203	1,203	1,203	1,203
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Revenue			$ 17,677,859	$ 13,579,037	$ 13,933,149	$ 14,602,052	$ 14,523,492	$ 14,886,768	$ 14,930,631	$ 15,328,186	$ 15,736,661	$ 16,226,500	$ 16,731,740	$ 17,252,869
Procurement														
100	Salaries & Wages	Labor	$ 69,028	$ 69,074	$ 45,856	$ 68,882	$ 62,746	$ 60,866	$ 69,141	$ 71,216	$ 73,352	$ 75,553	$ 77,819	$ 80,154
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Procurement			$ 69,028	$ 69,074	$ 45,856	$ 68,882	$ 62,746	$ 60,866	$ 69,141	$ 71,216	$ 73,352	$ 75,553	$ 77,819	$ 80,154
Law														
100	Salaries & Wages	Labor	$ 2,325,631	$ 2,476,451	$ 2,286,502	$ 2,281,362	$ 2,192,613	$ 2,137,491	$ 2,266,082	$ 2,334,064	$ 2,404,086	$ 2,476,209	$ 2,550,495	$ 2,627,010
200	Services	Other 200	744,333	657,417	672,341	543,724	670,808	309,631	508,054	518,215	528,580	547,080	566,228	586,046
300	Materials and Supplies	Other 300	45,764	43,010	33,976	36,392	16,663	8,002	20,352	20,759	21,175	21,598	22,030	22,471
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Law			$ 3,115,728	$ 3,176,878	$ 2,992,819	$ 2,861,478	$ 2,880,084	$ 2,455,124	$ 2,794,488	$ 2,873,039	$ 2,953,840	$ 3,044,887	$ 3,138,753	$ 3,235,526
PWD Inter Departmental Operating and Maintenance Expenses Summary														
100	Salaries & Wages		$ 18,362,251	$ 18,778,634	$ 18,500,116	$ 19,134,573	$ 19,307,284	$ 20,275,588	$ 20,237,399	$ 20,844,521	$ 21,469,857	$ 22,113,952	$ 22,777,371	$ 23,460,692
1xx	Benefits		39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	57,660,823	59,983,857	62,983,761
191	Pension		20,744,208	32,719,112	38,770,167	35,507,147	38,305,052	40,861,335	38,822,195	39,761,757	40,420,756	41,164,576	41,751,803	43,004,357
190	Pension Obligations		6,749,386	9,449,462	9,843,048	20,452,252	22,450,403	11,415,451	20,845,197	20,845,197	20,845,197	20,845,197	20,845,197	20,845,197
200	Services		15,023,426	13,613,915	16,130,105	18,412,885	19,597,086	20,225,877	23,514,423	23,866,281	24,454,032	25,243,203	26,058,957	26,905,656
220	Power		-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies		5,198,874	6,097,487	5,255,415	5,158,682	5,874,764	6,480,357	6,189,460	6,313,249	6,439,514	6,568,304	6,699,670	6,833,664
307	Chemicals		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		676	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		4,897,054	5,383,840	3,047,230	5,090,380	6,036,579	3,842,040	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Total PWD Inter Departmental Operating and Maintenance Expenses Summar			**$ 110,950,251**	**$ 128,321,799**	**$ 129,941,283**	**$ 144,125,309**	**$ 152,615,511**	**$ 151,393,779**	**$ 163,957,003**	**$ 168,177,800**	**$ 172,540,661**	**$ 178,586,283**	**$ 183,107,083**	**$ 189,023,554**
	Direct and Inter Departmental Class 100		**$ 101,721,666**	**$ 101,283,104**	**$ 100,874,990**	**$ 104,392,548**	**$ 108,902,414**	**$ 118,718,437**	**$ 118,319,413**	**$ 121,868,996**	**$ 125,525,066**	**$ 129,290,818**	**$ 133,169,542**	**$ 137,164,629**
	Penion & Benefits/Class 100 Ratio		**66.3%**	**83.4%**	**86.3%**	**92.3%**	**93.5%**	**84.7%**	**92.1%**	**92.0%**	**91.8%**	**92.6%**	**92.0%**	**92.5%**
	Benefits/Class 100 Ratio		**39.3%**	**41.7%**	**38.1%**	**38.7%**	**37.7%**	**40.7%**	**41.7%**	**42.3%**	**43.0%**	**44.6%**	**45.0%**	**45.9%**
	Pension/Class 100 Ratio		**20.4%**	**32.3%**	**38.4%**	**34.0%**	**35.2%**	**34.4%**	**32.8%**	**32.6%**	**32.2%**	**31.8%**	**31.4%**	**31.4%**
	Pension Obligations/Class 100 Ratio		**6.6%**	**9.3%**	**9.8%**	**19.6%**	**20.6%**	**9.6%**	**17.6%**	**17.1%**	**16.6%**	**16.1%**	**15.7%**	**15.2%**
PWD Inter Departmental Operating and Maintenance Expenses Summary - Annual Increase														
100	Salaries & Wages		-2.74%	2.27%	-1.48%	3.43%	0.90%	5.02%	-0.19%	3.00%	3.00%	3.00%	3.00%	3.00%
1xx	Benefits		1.60%	5.77%	-9.19%	5.14%	1.67%	17.66%	2.21%	4.45%	4.59%	6.94%	4.03%	5.00%
191	Pension		-35.11%	57.73%	18.49%	-8.42%	7.88%	6.67%	-4.99%	2.42%	1.66%	1.84%	1.43%	3.00%
190	Pension Obligations		5.57%	40.00%	4.17%	107.78%	9.77%	-49.15%	82.61%	0.00%	0.00%	0.00%	0.00%	0.00%
200	Services		1.72%	-9.38%	18.48%	14.15%	6.43%	3.21%	16.26%	1.50%	2.46%	3.23%	3.23%	3.25%
220	Power		0.00%											
300	Materials and Supplies		-5.82%	17.28%	-13.81%	-1.84%	13.88%	10.31%	-4.49%	2.00%	2.00%	2.00%	2.00%	2.00%

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
307	Chemicals		0.00%											
400	Equipment		-96.79%	-100.00%										
500	Contributions		-1.61%	9.94%	-43.40%	67.05%	18.59%	-36.35%	29.88%	0.00%	0.00%	0.00%	0.00%	0.00%
800	Transfers		0.00%											
Total PWD Inter Departmental Operating and Maintenance Expenses Summar			-8.97%	15.66%	1.26%	10.92%	5.89%	-0.80%	8.30%	2.57%	2.59%	3.50%	2.53%	3.23%
PWD Inter Departmental Operating and Maintenance Expenses Summary - 3 Year Average Increase														
100	Salaries & Wages				-0.67%	1.38%	0.93%	3.10%	1.89%	2.59%	1.93%	3.00%	3.00%	3.00%
1xx	Benefits				-0.81%	0.33%	-0.98%	7.95%	6.93%	7.90%	3.74%	5.32%	5.18%	5.31%
191	Pension				6.64%	19.62%	5.39%	1.77%	3.02%	1.25%	-0.36%	1.97%	1.64%	2.09%
190	Pension Obligations				15.47%	44.71%	33.44%	5.06%	0.64%	-2.44%	22.23%	0.00%	0.00%	0.00%
200	Services				2.98%	7.02%	12.91%	7.83%	8.49%	6.79%	6.53%	2.39%	2.97%	3.24%
220	Power				0.00%									
300	Materials and Supplies				-1.63%	-0.26%	-1.23%	7.23%	6.26%	2.43%	-0.21%	2.00%	2.00%	2.00%
307	Chemicals				0.00%									
400	Equipment				-100.00%	-100.00%								
500	Contributions				-15.09%	1.30%	3.89%	8.03%	-0.66%	-6.15%	9.11%	0.00%	0.00%	0.00%
800	Transfers				0.00%									
Total PWD Inter Departmental Operating and Maintenance Expenses Summary - 3 Year Average Increase					2.16%	9.11%	5.95%	5.23%	4.39%	3.29%	4.45%	2.89%	2.88%	3.09%

PWD Inter Departmental O&M Adjustments

InterDept O&M - 2

Division of Technology													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	General	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Property Leases	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	6,000	(23,000)	(66,000)			
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ 6,000	$ (23,000)	$ (66,000)			
City Finance													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits	Other Benefits	-	-	-	-	-	1,782,000	1,826,000	1,789,000			
191	Pension	Pension	-	-	-	-	-	1,526,000	1,523,000	1,464,000			
190	Pension Obligations	Pension Obligations	-	-	-	-	-	375,000	369,000	344,000			
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal City Finance			$ -	$ -	$ -	$ -	$ -	$ 3,683,000	$ 3,718,000	$ 3,597,000			
Revenue													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ 1,208,000	$ 1,244,000	$ 1,281,000			
200	Services	Other 200	-	-	-	-	-	118,000	120,000	122,000			
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ 1,326,000	$ 1,364,000	$ 1,403,000			
Procurement													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law													
100	Salaries & Wages	Labor	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies	Other 300	-	-	-	-	-	-	-	-	-	-	-
400	Equipment	Other 400	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	Constant	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	General	-	-	-	-	-	-	-	-	-	-	-
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustments Summary													
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ 1,208,000	$ 1,244,000	$ 1,281,000			
1xx	Benefits		-	-	-	-	-	1,782,000	1,826,000	1,789,000			
191	Pension		-	-	-	-	-	1,526,000	1,523,000	1,464,000			
190	Pension Obligations		-	-	-	-	-	375,000	369,000	344,000			
200	Services		-	-	-	-	-	118,000	120,000	122,000			
220	Power		-	-	-	-	-	-	-	-			
300	Materials and Supplies		-	-	-	-	-	6,000	(23,000)	(66,000)			
307	Chemicals		-	-	-	-	-	-	-	-			
400	Equipment		-	-	-	-	-	-	-	-			
500	Contributions		-	-	-	-	-	-	-	-			
800	Transfers		-	-	-	-	-	-	-	-			
Total PWD Inter Departmental O&M Adjustments Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,015,000**	**$ 5,059,000**	**$ 4,934,000**			

PWD Adjusted Inter Departmental O&M

InterDept O&M - 3

Division of Technology													
100	Salaries & Wages	$ 4,080,157	$ 4,442,039	$ 3,994,808	$ 4,039,582	$ 4,621,214	$ 5,233,042	$ 5,114,671	$ 5,268,112	$ 5,426,155	$ 5,588,940	$ 5,756,608	$ 5,929,306
200	Services	2,547,454	5,734,828	6,797,598	9,214,801	9,567,462	10,226,939	13,166,774	13,430,109	13,698,711	14,178,166	14,674,402	15,188,006
300	Materials and Supplies	269,410	732,780	737,735	791,307	944,117	1,609,074	1,554,517	1,585,608	1,617,320	1,649,666	1,682,660	1,716,313
400	Equipment	676	-	-	-	-	-	-	-	-	-	-	-
500	Contributions	-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers	-	-	-	-	-	-	-	-	-	-	-	-

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Subtotal Division of Technology			$ 6,897,697	$ 10,909,647	$ 11,530,141	$ 14,045,690	$ 15,132,793	$ 17,069,055	$ 19,835,962	$ 20,283,828	$ 20,742,186	$ 21,416,772	$ 22,113,669	$ 22,833,625
Mayor's Office of Transportation & Utilities														
100	Salaries & Wages		$ -	$ -	$ 56,160	$ 169,948	$ 208,176	$ 227,983	$ 196,326	$ 202,215	$ 208,282	$ 214,530	$ 220,966	$ 227,595
200	Services		-	-	-	-	-	-	28,800	29,376	29,964	31,012	32,098	33,221
300	Materials and Supplies		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ 56,160	$ 169,948	$ 208,176	$ 227,983	$ 225,126	$ 231,591	$ 238,245	$ 245,543	$ 253,064	$ 260,816
Police														
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property														
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		3,613,895	2,500,266	3,725,560	3,739,360	3,786,428	3,959,919	4,042,633	4,005,055	4,195,582	4,275,707	4,357,599	4,444,751
300	Materials and Supplies		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Public Property			$ 3,613,895	$ 2,500,266	$ 3,725,560	$ 3,739,360	$ 3,786,428	$ 3,959,919	$ 4,042,633	$ 4,005,055	$ 4,195,582	$ 4,275,707	$ 4,357,599	$ 4,444,751
Fleet Management														
100	Salaries & Wages		$ 1,969,686	$ 2,233,948	$ 2,387,074	$ 2,554,406	$ 2,521,284	$ 2,602,612	$ 2,694,544	$ 2,775,380	$ 2,858,641	$ 2,944,401	$ 3,032,733	$ 3,123,715
200	Services		1,110,649	1,350,082	1,256,788	894,932	1,438,785	1,488,271	1,273,996	1,299,476	1,325,465	1,371,857	1,419,872	1,469,567
300	Materials and Supplies		4,130,928	4,671,274	3,958,404	3,769,562	4,225,827	4,232,497	4,075,962	4,157,481	4,240,631	4,331,443	4,388,952	4,434,191
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Fleet Management			$ 7,211,263	$ 8,255,304	$ 7,602,266	$ 7,218,900	$ 8,185,896	$ 8,323,380	$ 8,044,502	$ 8,232,337	$ 8,424,738	$ 8,647,701	$ 8,841,557	$ 9,027,473
City Finance														
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	59,442,823	61,809,857	64,772,761
191	Pension		20,744,208	32,719,112	38,770,167	35,507,147	38,305,052	40,861,335	38,822,195	39,761,757	40,420,756	42,690,576	43,274,803	44,468,357
190	Pension Obligations		6,749,386	9,449,462	9,843,048	20,452,252	22,450,403	11,415,451	20,845,197	20,845,197	20,845,197	21,220,197	21,214,197	21,189,197
200	Services		-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		4,896,811	5,383,670	3,046,915	5,090,210	6,036,098	3,840,767	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal City Finance			$ 72,364,781	$ 89,831,593	$ 90,055,332	$ 101,418,999	$ 107,835,896	$ 104,410,684	$ 114,014,519	$ 117,152,546	$ 120,176,056	$ 128,342,621	$ 131,287,882	$ 135,419,340
Revenue														
100	Salaries & Wages		$ 9,917,749	$ 9,557,122	$ 9,729,716	$ 10,020,393	$ 9,701,251	$ 10,013,594	$ 9,896,635	$ 10,193,534	$ 10,499,340	$ 12,022,320	$ 12,382,750	$ 12,753,912
200	Services		7,007,095	3,371,322	3,677,818	4,020,068	4,133,603	4,241,117	4,494,166	4,584,049	4,675,730	4,957,381	5,128,759	5,306,065
300	Materials and Supplies		752,772	650,423	525,300	561,421	688,157	630,784	538,628	549,401	560,389	571,596	583,028	594,689
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		243	170	315	170	481	1,273	1,203	1,203	1,203	1,203	1,203	1,203
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Revenue			$ 17,677,859	$ 13,579,037	$ 13,933,149	$ 14,602,052	$ 14,523,492	$ 14,886,768	$ 14,930,631	$ 15,328,186	$ 15,736,661	$ 17,552,500	$ 18,095,740	$ 18,655,869
Procurement														
100	Salaries & Wages		$ 69,028	$ 69,074	$ 45,856	$ 68,882	$ 62,746	$ 60,866	$ 69,141	$ 71,216	$ 73,352	$ 75,553	$ 77,819	$ 80,154
200	Services		-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Procurement			$ 69,028	$ 69,074	$ 45,856	$ 68,882	$ 62,746	$ 60,866	$ 69,141	$ 71,216	$ 73,352	$ 75,553	$ 77,819	$ 80,154
Law														
100	Salaries & Wages		$ 2,325,631	$ 2,476,451	$ 2,286,502	$ 2,281,362	$ 2,192,613	$ 2,137,491	$ 2,266,082	$ 2,334,064	$ 2,404,086	$ 2,476,209	$ 2,550,495	$ 2,627,010
200	Services		744,333	657,417	672,341	543,724	670,808	309,631	508,054	518,215	528,580	547,080	566,228	586,046
300	Materials and Supplies		45,764	43,010	33,976	36,392	16,663	8,002	20,352	20,759	21,175	21,598	22,030	22,471
400	Equipment		-	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Law			$ 3,115,728	$ 3,176,878	$ 2,992,819	$ 2,861,478	$ 2,880,084	$ 2,455,124	$ 2,794,488	$ 2,873,039	$ 2,953,840	$ 3,044,887	$ 3,138,753	$ 3,235,526
PWD Inter Departmental Operating and Maintenance Expenses Summary														
100	Salaries & Wages		$ 18,362,251	$ 18,778,634	$ 18,500,116	$ 19,134,573	$ 19,307,284	$ 20,275,588	$ 20,237,399	$ 20,844,521	$ 21,469,857	$ 23,321,952	$ 24,021,371	$ 24,741,692
1xx	Benefits		39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	59,442,823	61,809,857	64,772,761
191	Pension		20,744,208	32,719,112	38,770,167	35,507,147	38,305,052	40,861,335	38,822,195	39,761,757	40,420,756	42,690,576	43,274,803	44,468,357
190	Pension Obligations		6,749,386	9,449,462	9,843,048	20,452,252	22,450,403	11,415,451	20,845,197	20,845,197	20,845,197	21,220,197	21,214,197	21,189,197
200	Services		15,023,426	13,613,915	16,130,105	18,412,885	19,597,086	20,225,877	23,514,423	23,866,281	24,454,032	25,361,203	26,178,957	27,027,656
220	Power		-	-	-	-	-	-	-	-	-	-	-	-
300	Materials and Supplies		5,198,874	6,097,487	5,255,415	5,158,682	5,874,764	6,480,357	6,189,460	6,313,249	6,439,514	6,574,304	6,676,670	6,767,664
307	Chemicals		-	-	-	-	-	-	-	-	-	-	-	-
400	Equipment		676	-	-	-	-	-	-	-	-	-	-	-
500	Contributions		4,897,054	5,383,840	3,047,230	5,090,380	6,036,579	3,842,040	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228
800	Transfers		-	-	-	-	-	-	-	-	-	-	-	-
Total PWD Inter Departmental Operating and Maintenance Expenses Summar			**$ 110,950,251**	**$ 128,321,799**	**$ 129,941,283**	**$ 144,125,309**	**$ 152,615,511**	**$ 151,393,779**	**$ 163,957,003**	**$ 168,177,800**	**$ 172,540,661**	**$ 183,601,283**	**$ 188,166,083**	**$ 193,957,554**
	Direct and Inter Departmental Class 100		**$ 101,721,666**	**$ 101,283,104**	**$ 100,874,990**	**$ 104,392,548**	**$ 108,902,414**	**$ 118,718,437**	**$ 118,319,413**	**$ 121,868,996**	**$ 125,525,066**	**$ 133,452,818**	**$ 137,391,542**	**$ 141,222,629**
	Penion & Benefits/Class 100 Ratio		**66.3%**	**83.4%**	**86.3%**	**92.3%**	**93.5%**	**84.7%**	**92.1%**	**92.0%**	**91.8%**	**92.4%**	**91.9%**	**92.4%**
	Benefits/Class 100 Ratio		**39.3%**	**41.7%**	**38.1%**	**38.7%**	**37.7%**	**40.7%**	**41.7%**	**42.3%**	**43.0%**	**44.5%**	**45.0%**	**45.9%**
	Pension/Class 100 Ratio		**20.4%**	**32.3%**	**38.4%**	**34.0%**	**35.2%**	**34.4%**	**32.8%**	**32.6%**	**32.2%**	**32.0%**	**31.5%**	**31.5%**
	Pension Obligations/Class 100 Ratio		**6.6%**	**9.3%**	**9.8%**	**19.6%**	**20.6%**	**9.6%**	**17.6%**	**17.1%**	**16.6%**	**15.9%**	**15.4%**	**15.0%**
PWD Inter Departmental Operating and Maintenance Expenses Summary - Annual Increase														
100	Salaries & Wages		-2.74%	2.27%	-1.48%	3.43%	0.90%	5.02%	-0.19%	3.00%	3.00%	8.63%	3.00%	3.00%
1xx	Benefits		1.60%	5.77%	-9.19%	5.14%	1.67%	17.66%	2.21%	4.45%	4.59%	10.24%	3.98%	4.79%
191	Pension		-35.11%	57.73%	18.49%	-8.42%	7.88%	6.67%	-4.99%	2.42%	1.66%	5.62%	1.37%	2.76%
190	Pension Obligations		5.57%	40.00%	4.17%	107.78%	9.77%	-49.15%	82.61%	0.00%	0.00%	1.80%	-0.03%	-0.12%
200	Services		1.72%	-9.38%	18.48%	14.15%	6.43%	3.21%	16.26%	1.50%	2.46%	3.71%	3.22%	3.24%
220	Power		0.00%											
300	Materials and Supplies		-5.82%	17.28%	-13.81%	-1.84%	13.88%	10.31%	-4.49%	2.00%	2.00%	2.09%	1.56%	1.36%
307	Chemicals		0.00%											
400	Equipment		-96.79%	-100.00%										
500	Contributions		-1.61%	9.94%	-43.40%	67.05%	18.59%	-36.35%	29.88%	0.00%	0.00%	0.00%	0.00%	0.00%
800	Transfers		0.00%											
Total PWD Inter Departmental Operating and Maintenance Expenses Summar			-8.97%	15.66%	1.26%	10.92%	5.89%	-0.80%	8.30%	2.57%	2.59%	6.41%	2.49%	3.08%

Water System Inter Departmental O&M

InterDept O&M - 4

Division of Technology														
100	Salaries & Wages							$ 3,043,492	$ 2,974,649	$ 3,063,888	$ 3,155,805	$ 3,250,479	$ 3,347,993	$ 3,448,433
200	Services							5,044,264	6,494,287	6,624,173	6,756,656	6,993,139	7,237,899	7,491,226
300	Materials and Supplies							842,997	814,415	830,703	847,317	864,263	881,549	899,180
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Division of Technology								$ 8,930,753	$ 10,283,351	$ 10,518,764	$ 10,759,778	$ 11,107,881	$ 11,467,441	$ 11,838,839
Mayor's Office of Transportation & Utilities														
100	Salaries & Wages							$ 82,074	$ 70,677	$ 72,798	$ 74,981	$ 77,231	$ 79,548	$ 81,934
200	Services							-	10,368	10,575	10,787	11,164	11,555	11,960
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Subtotal Mayor's Office of Transportation & Utilities								$ 82,074	$ 81,045	$ 83,373	$ 85,768	$ 88,395	$ 91,103	$ 93,894
Police														
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Police								$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property														
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services							1,425,571	1,455,348	1,441,820	1,510,409	1,539,255	1,568,736	1,600,110
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Public Property								$ 1,425,571	$ 1,455,348	$ 1,441,820	$ 1,510,409	$ 1,539,255	$ 1,568,736	$ 1,600,110
Fleet Management														
100	Salaries & Wages							$ 936,940	$ 970,036	$ 999,137	$ 1,029,111	$ 1,059,984	$ 1,091,784	$ 1,124,537
200	Services							535,778	458,639	467,811	477,168	493,868	511,154	529,044
300	Materials and Supplies							1,523,699	1,467,346	1,496,693	1,526,627	1,559,320	1,580,023	1,596,309
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Fleet Management								$ 2,996,417	$ 2,896,021	$ 2,963,641	$ 3,032,906	$ 3,113,172	$ 3,182,961	$ 3,249,890
City Finance														
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits							19,857,613	20,257,838	21,160,144	22,130,600	24,303,177	25,253,591	26,450,762
191	Pension							16,801,739	15,933,630	16,319,250	16,589,720	17,454,027	17,680,743	18,159,206
190	Pension Obligations							4,693,910	8,555,406	8,555,406	8,555,406	8,675,870	8,667,463	8,652,872
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							1,421,084	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939
800	Transfers							-	-	-	-	-	-	-
Subtotal City Finance								$ 42,774,346	$ 46,592,813	$ 47,880,739	$ 49,121,665	$ 52,279,013	$ 53,447,736	$ 55,108,779
Revenue														
100	Salaries & Wages							$ 3,344,540	$ 3,305,476	$ 3,404,640	$ 3,506,780	$ 4,015,455	$ 4,135,838	$ 4,259,807
200	Services							1,416,533	1,501,051	1,531,072	1,561,694	1,655,765	1,713,005	1,772,226
300	Materials and Supplies							210,682	179,902	183,500	187,170	190,913	194,731	198,626
400	Equipment							-	-	-	-	-	-	-
500	Contributions							425	402	402	402	402	402	402
800	Transfers							-	-	-	-	-	-	-
Subtotal Revenue								$ 4,972,180	$ 4,986,831	$ 5,119,614	$ 5,256,046	$ 5,862,535	$ 6,043,976	$ 6,231,061
Procurement														
100	Salaries & Wages							$ 21,912	$ 24,891	$ 25,638	$ 26,407	$ 27,199	$ 28,015	$ 28,855
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Procurement								$ 21,912	$ 24,891	$ 25,638	$ 26,407	$ 27,199	$ 28,015	$ 28,855
Law														
100	Salaries & Wages							$ 790,872	$ 838,450	$ 863,604	$ 889,512	$ 916,197	$ 943,683	$ 971,994
200	Services							114,563	187,980	191,740	195,574	202,420	209,504	216,837
300	Materials and Supplies							2,961	7,530	7,681	7,835	7,991	8,151	8,314
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Law								$ 908,396	$ 1,033,960	$ 1,063,025	$ 1,092,921	$ 1,126,608	$ 1,161,338	$ 1,197,145
Water System Operating and Maintenance Expenses Summary														
Salaries & W	100	Salaries & Wages						$ 8,219,830	$ 8,184,179	$ 8,429,705	$ 8,682,596	$ 9,346,545	$ 9,626,861	$ 9,915,560
Benefits	1xx	Benefits						19,857,613	20,257,838	21,160,144	22,130,600	24,303,177	25,253,591	26,450,762
Pension	191	Pension						16,801,739	15,933,630	16,319,250	16,589,720	17,454,027	17,680,743	18,159,206
Pension Obli	190	Pension Obligations						4,693,910	8,555,406	8,555,406	8,555,406	8,675,870	8,667,463	8,652,872
Power	200	Services						8,536,709	10,107,673	10,267,191	10,512,288	10,895,611	11,251,853	11,621,403
All Other 20(	220	Power						-	-	-	-	-	-	-
Chemicals	300	Materials and Supplies						2,580,339	2,469,193	2,518,577	2,568,949	2,622,487	2,664,454	2,702,429
All Other 30(	307	Chemicals						-	-	-	-	-	-	-
	400	Equipment						-	-	-	-	-	-	-
	500	Contributions						1,421,509	1,846,341	1,846,341	1,846,341	1,846,341	1,846,341	1,846,341
	800	Transfers						-	-	-	-	-	-	-
Total Water System Operating and Maintenance Expenses Summary								**$ 62,111,649**	**$ 67,354,260**	**$ 69,096,614**	**$ 70,885,900**	**$ 75,144,058**	**$ 76,991,306**	**$ 79,348,573**
Wastewater System Inter Departmental O&M														InterDept O&M - 5
Division of Technology														
100	Salaries & Wages							$ 2,189,550	$ 2,140,022	$ 2,204,224	$ 2,270,350	$ 2,338,461	$ 2,408,615	$ 2,480,873
200	Services							5,182,675	6,672,487	6,805,936	6,942,055	7,185,027	7,436,503	7,696,780
300	Materials and Supplies							766,077	740,102	754,905	770,003	785,403	801,111	817,133
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							0	0	0	0	0	0	0
Subtotal Division of Technology								$ 8,138,302	$ 9,552,611	$ 9,765,064	$ 9,982,408	$ 10,308,891	$ 10,646,228	$ 10,994,786
Mayor's Office of Transportation & Utilities														
100	Salaries & Wages							$ 145,909	$ 125,649	$ 129,417	$ 133,301	$ 137,299	$ 141,418	$ 145,661
200	Services							-	18,432	18,801	19,177	19,848	20,543	21,261
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Mayor's Office of Transportation & Utilities								$ 145,909	$ 144,081	$ 148,218	$ 152,477	$ 157,148	$ 161,961	$ 166,922
Police														
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Police								$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property														
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services							2,534,348	2,587,285	2,563,235	2,685,173	2,736,452	2,788,863	2,844,641
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Public Property								$ 2,534,348	$ 2,587,285	$ 2,563,235	$ 2,685,173	$ 2,736,452	$ 2,788,863	$ 2,844,641
Fleet Management														
100	Salaries & Wages							$ 1,665,672	$ 1,724,508	$ 1,776,243	$ 1,829,530	$ 1,884,417	$ 1,940,949	$ 1,999,178
200	Services							952,493	815,357	831,665	848,297	877,989	908,718	940,523
300	Materials and Supplies							2,708,798	2,608,616	2,660,788	2,714,004	2,772,123	2,808,929	2,837,882
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Fleet Management								$ 5,326,963	$ 5,148,481	$ 5,268,696	$ 5,391,832	$ 5,534,529	$ 5,658,596	$ 5,777,583
City Finance														

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
100	Salaries & Wages							$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits							28,435,518	29,100,264	30,396,423	31,790,478	35,139,646	36,556,266	38,321,999
191	Pension							24,059,596	22,888,565	23,442,507	23,831,036	25,236,549	25,594,060	26,309,151
190	Pension Obligations							6,721,541	12,289,791	12,289,791	12,289,791	12,544,327	12,546,734	12,536,325
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							2,419,683	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086
800	Transfers							-	-	-	-	-	-	-
Subtotal City Finance								$ 61,636,338	$ 67,421,706	$ 69,271,807	$ 71,054,391	$ 76,063,608	$ 77,840,146	$ 80,310,561
Revenue														
100	Salaries & Wages							$ 6,669,054	$ 6,591,159	$ 6,788,894	$ 6,992,560	$ 8,006,865	$ 8,246,912	$ 8,494,105
200	Services							2,824,584	2,993,115	3,052,977	3,114,036	3,301,616	3,415,754	3,533,839
300	Materials and Supplies							420,102	358,726	365,901	373,219	380,683	388,297	396,063
400	Equipment							-	-	-	-	-	-	-
500	Contributions							848	801	801	801	801	801	801
800	Transfers							-	-	-	-	-	-	-
Subtotal Revenue								$ 9,914,588	$ 9,943,800	$ 10,208,572	$ 10,480,615	$ 11,689,965	$ 12,051,764	$ 12,424,808
Procurement														
100	Salaries & Wages							$ 38,954	$ 44,250	$ 45,578	$ 46,945	$ 48,354	$ 49,804	$ 51,299
200	Services							-	-	-	-	-	-	-
300	Materials and Supplies							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Procurement								$ 38,954	$ 44,250	$ 45,578	$ 46,945	$ 48,354	$ 49,804	$ 51,299
Law														
100	Salaries & Wages							$ 1,346,619	$ 1,427,632	$ 1,470,460	$ 1,514,574	$ 1,560,012	$ 1,606,812	$ 1,655,016
200	Services							195,068	320,074	326,475	333,006	344,660	356,724	369,209
300	Materials and Supplies							5,041	12,822	13,078	13,340	13,607	13,879	14,157
400	Equipment							-	-	-	-	-	-	-
500	Contributions							-	-	-	-	-	-	-
800	Transfers							-	-	-	-	-	-	-
Subtotal Law								$ 1,546,728	$ 1,760,528	$ 1,810,014	$ 1,860,919	$ 1,918,279	$ 1,977,415	$ 2,038,381
Wastewater System Inter Departmental O&M Summary														
Salaries & W	100 Salaries & Wages							$ 12,055,758	$ 12,053,220	$ 12,414,816	$ 12,787,261	$ 13,975,407	$ 14,394,510	$ 14,826,132
Benefits	1xx Benefits							28,435,518	29,100,264	30,396,423	31,790,478	35,139,646	36,556,266	38,321,999
Pension	191 Pension							24,059,596	22,888,565	23,442,507	23,831,036	25,236,549	25,594,060	26,309,151
Pension Obli	190 Pension Obligations							6,721,541	12,289,791	12,289,791	12,289,791	12,544,327	12,546,734	12,536,325
Power	200 Services							11,689,168	13,406,750	13,599,090	13,941,744	14,465,592	14,927,104	15,406,253
All Other 20(	220 Power							-	-	-	-	-	-	-
Chemicals	300 Materials and Supplies							3,900,018	3,720,267	3,794,672	3,870,565	3,951,817	4,012,216	4,065,235
All Other 30(	307 Chemicals							-	-	-	-	-	-	-
	400 Equipment							-	-	-	-	-	-	-
	500 Contributions							2,420,531	3,143,887	3,143,887	3,143,887	3,143,887	3,143,887	3,143,887
	800 Transfers							-	-	-	-	-	-	-
Total Wastewater System Inter Departmental O&M Summary								**$ 89,282,130**	**$ 96,602,743**	**$ 99,081,186**	**$ 101,654,761**	**$ 108,457,225**	**$ 111,174,777**	**$ 114,608,981**
PWD Projected Inter Departmental O&M Budget														**InterDept O&M - 6**
Division of Technology														
100	Salaries & Wages	Labor						$ 5,816,911	$ 6,265,289	$ 6,453,248	$ 6,646,845	$ 6,846,250	$ 7,051,638	$ 7,263,187
200	Services	Other 200						11,551,218	14,706,497	15,000,627	15,300,639	15,836,162	16,390,428	16,964,092
300	Materials and Supplies	Other 300						1,817,650	2,025,150	2,065,653	2,106,966	2,149,105	2,192,087	2,235,929
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	General						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Division of Technology								$ 19,185,779	$ 22,996,936	$ 23,519,528	$ 24,054,451	$ 24,831,518	$ 25,634,153	$ 26,463,209
Mayor's Office of Transportation & Utilities														
100	Salaries & Wages	Labor						$ 230,886	$ 202,424	$ 208,497	$ 214,752	$ 221,194	$ 227,830	$ 234,665
200	Services	Other 200						-	30,000	30,600	31,212	32,304	33,435	34,605
300	Materials and Supplies	Other 300						-	-	-	-	-	-	-
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	General						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Mayor's Office of Transportation & Utilities								$ 230,886	$ 232,424	$ 239,097	$ 245,964	$ 253,499	$ 261,265	$ 269,270
Police														
100	Salaries & Wages	Labor						$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Other 200						-	-	-	-	-	-	-
300	Materials and Supplies	Other 300						-	-	-	-	-	-	-
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	General						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Police								$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property														
100	Salaries & Wages	Labor						$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services	Property Leases						3,959,919	4,042,633	4,005,055	4,195,582	4,275,707	4,357,599	4,444,751
300	Materials and Supplies	Other 300						-	-	-	-	-	-	-
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Public Property								$ 3,959,919	$ 4,042,633	$ 4,005,055	$ 4,195,582	$ 4,275,707	$ 4,357,599	$ 4,444,751
Fleet Management														
100	Salaries & Wages	Labor						$ 2,969,317	$ 2,969,317	$ 3,058,397	$ 3,150,148	$ 3,244,653	$ 3,341,992	$ 3,442,252
200	Services	Other 200						1,489,000	1,489,000	1,518,780	1,549,156	1,603,376	1,659,494	1,717,577
300	Materials and Supplies	Other 300						4,274,640	4,274,640	4,360,133	4,447,335	4,542,282	4,604,008	4,653,548
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Fleet Management								$ 8,732,957	$ 8,732,957	$ 8,937,309	$ 9,146,639	$ 9,390,311	$ 9,605,494	$ 9,813,377
City Finance														
100	Salaries & Wages	Labor						$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits	Other Benefits						53,120,209	53,115,262	55,481,075	58,025,574	63,831,990	66,375,854	69,567,112
191	Pension	Pension						42,000,000	46,529,000	47,655,080	48,444,900	50,862,380	51,563,180	53,005,385
190	Pension Obligations	Pension Obligations						11,700,000	12,100,000	12,100,000	12,100,000	12,475,000	12,469,000	12,444,000
200	Services	Other 200						-	-	-	-	-	-	-
300	Materials and Supplies	Other 300						-	-	-	-	-	-	-
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000
800	Transfers	General						-	-	-	-	-	-	-
Subtotal City Finance								$ 113,320,209	$ 118,244,262	$ 121,736,155	$ 125,070,474	$ 133,669,370	$ 136,908,034	$ 141,516,497
Revenue														
100	Salaries & Wages	Labor						$ 11,404,254	$ 11,138,839	$ 11,473,004	$ 11,817,194	$ 13,379,710	$ 13,780,861	$ 14,193,967
200	Services	Other 200						4,244,480	4,484,480	4,574,170	4,665,653	4,946,951	5,117,964	5,294,893
300	Materials and Supplies	Other 300						640,920	640,920	653,738	666,813	680,149	693,752	707,627
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						5,000	5,000	5,000	5,000	5,000	5,000	5,000
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Revenue								$ 16,294,654	$ 16,269,239	$ 16,705,912	$ 17,154,660	$ 19,011,810	$ 19,597,578	$ 20,201,488
Procurement														
100	Salaries & Wages	Labor						$ 77,383	$ 77,383	$ 79,704	$ 82,096	$ 84,558	$ 87,095	$ 89,708
200	Services	Other 200						-	-	-	-	-	-	-
300	Materials and Supplies	Other 300						-	-	-	-	-	-	-
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Procurement								$ 77,383	$ 77,383	$ 79,704	$ 82,096	$ 84,558	$ 87,095	$ 89,708
Law														

Cost Center/Expense Class		Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021
100	Salaries & Wages	Labor						$ 2,506,206	$ 2,506,206	$ 2,581,392	$ 2,658,834	$ 2,738,599	$ 2,820,757	$ 2,905,380
200	Services	Other 200						691,614	691,614	705,446	719,555	744,740	770,806	797,784
300	Materials and Supplies	Other 300						43,010	43,010	43,870	44,748	45,643	46,555	47,487
400	Equipment	Other 400						-	-	-	-	-	-	-
500	Contributions	Constant						-	-	-	-	-	-	-
800	Transfers	General						-	-	-	-	-	-	-
Subtotal Law								$ 3,240,830	$ 3,240,830	$ 3,330,709	$ 3,423,137	$ 3,528,981	$ 3,638,118	$ 3,750,650
PWD Inter Departmental Operating and Maintenance Expenses Summary														
100	Salaries & Wages							$ 23,004,957	$ 23,159,458	$ 23,854,242	$ 24,569,869	$ 26,514,965	$ 27,310,174	$ 28,129,159
1xx	Benefits							53,120,209	53,115,262	55,481,075	58,025,574	63,831,990	66,375,854	69,567,112
191	Pension							42,000,000	46,529,000	47,655,080	48,444,900	50,862,380	51,563,180	53,005,385
190	Pension Obligations							11,700,000	12,100,000	12,100,000	12,100,000	12,475,000	12,469,000	12,444,000
200	Services							21,936,231	25,444,224	25,834,678	26,461,797	27,439,240	28,329,725	29,253,702
220	Power							-	-	-	-	-	-	-
300	Materials and Supplies							6,776,220	6,983,720	7,123,394	7,265,862	7,417,180	7,536,403	7,644,591
307	Chemicals							-	-	-	-	-	-	-
400	Equipment							-	-	-	-	-	-	-
500	Contributions							6,505,000	6,505,000	6,505,000	6,505,000	6,505,000	6,505,000	6,505,000
800	Transfers							-	-	-	-	-	-	-
Total PWD Inter Departmental Operating and Maintenance Expenses Summary								**$ 165,042,617**	**$ 173,836,664**	**$ 178,553,469**	**$ 183,373,002**	**$ 195,045,754**	**$ 200,089,337**	**$ 206,548,949**
	Class 100 - Direct & Inter Departmental							**$ 122,064,666**	**$ 126,121,058**	**$ 129,904,690**	**$ 133,801,830**	**$ 141,977,885**	**$ 146,172,362**	**$ 150,266,873**
	Pension & Benefits/Class 100 Ratio							**87.5%**	**88.6%**	**88.7%**	**88.6%**	**89.6%**	**89.2%**	**89.9%**

Total PWD Projected O&M (Direct and Inter Departmental)

InterDept O&M - 7

PWD Operating and Maintenance Expenses Summary													
100	Salaries & Wages	$ 101,721,666	$ 101,283,104	$ 100,874,990	$ 104,392,548	$ 108,902,414	$ 118,718,437	$ 118,319,413	$ 121,868,996	$ 125,525,066	$ 133,452,818	$ 137,391,542	$ 141,222,629
1xx	Benefits	39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	59,442,823	61,809,857	64,772,761
191	Pension	20,744,208	32,719,112	38,770,167	35,507,147	38,305,052	40,861,335	38,822,195	39,761,757	40,420,756	42,690,576	43,274,803	44,468,357
190	Pension Obligations	6,749,386	9,449,462	9,843,048	20,452,252	22,450,403	11,415,451	20,845,197	20,845,197	20,845,197	21,220,197	21,214,197	21,189,197
200	Services	86,087,913	89,667,061	99,145,698	105,058,615	107,218,715	115,563,299	121,101,720	122,583,323	125,983,856	133,851,570	137,794,242	141,783,587
220	Power	20,191,277	27,311,199	24,841,360	24,375,674	21,440,579	20,427,534	22,474,933	22,474,933	22,474,933	23,036,807	23,612,727	24,203,045
2xx	SMIP/GARP	-	-	5,025,000	4,925,776	5,020,143	13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000
300	Materials and Supplies	20,467,579	21,273,199	23,282,558	23,872,227	22,546,905	23,180,707	24,378,435	24,866,003	25,363,323	26,663,590	27,281,002	27,787,762
307	Chemicals	21,927,884	19,400,817	20,239,205	22,602,203	24,446,114	22,324,969	22,170,391	22,902,014	23,657,780	24,438,487	25,244,957	26,078,041
400	Equipment	1,618,634	1,564,000	2,082,059	1,804,839	2,419,659	1,849,016	2,366,736	2,419,988	2,474,438	2,660,112	2,722,040	2,785,248
500	Contributions	4,897,054	5,383,840	3,047,230	5,090,380	6,036,579	3,842,040	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228
800	Transfers	9,498,869	7,754,262	9,074,729	10,792,914	7,714,419	6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993
Total PWD Operating and Maintenance Expenses Summary		**$ 333,878,846**	**$ 358,085,405**	**$ 374,621,246**	**$ 399,243,964**	**$ 407,545,325**	**$ 426,318,674**	**$ 442,822,489**	**$ 452,395,048**	**$ 463,916,217**	**$ 494,461,057**	**$ 507,559,859**	**$ 521,721,846**
	Total Pension & Benefits/Class 100 Ratio	**66.3%**	**83.4%**	**86.3%**	**92.3%**	**93.5%**	**84.7%**	**92.1%**	**92.0%**	**91.8%**	**92.4%**	**91.9%**	**92.4%**
	Benefits / Class 100 Ratio	**39.3%**	**41.7%**	**38.1%**	**38.7%**	**37.7%**	**40.7%**	**41.7%**	**42.3%**	**43.0%**	**44.5%**	**45.0%**	**45.9%**
	Pension / Class 100 Ratio	**20.4%**	**32.3%**	**38.4%**	**34.0%**	**35.2%**	**34.4%**	**32.8%**	**32.6%**	**32.2%**	**32.0%**	**31.5%**	**31.5%**
	Pension Obligation / Class 100 Ratio	**6.6%**	**9.3%**	**9.8%**	**19.6%**	**20.6%**	**9.6%**	**17.6%**	**17.1%**	**16.6%**	**15.9%**	**15.4%**	**15.0%**
PWD Operating and Maintenance Expenses Summary - Annual Increase													
100	Salaries & Wages		-0.43%	-0.40%	3.49%	4.32%	9.01%	-0.34%	3.00%	3.00%	6.32%	2.95%	2.79%
1xx	Benefits		5.77%	-9.19%	5.14%	1.67%	17.66%	2.21%	4.45%	4.59%	10.24%	3.98%	4.79%
191	Pension		57.73%	18.49%	-8.42%	7.88%	6.67%	-4.99%	2.42%	1.66%	5.62%	1.37%	2.76%
190	Pension Obligations		40.00%	4.17%	107.78%	9.77%	-49.15%	82.61%	0.00%	0.00%	1.80%	-0.03%	-0.12%
200	Services		4.16%	10.57%	5.96%	2.06%	7.78%	4.79%	1.22%	2.77%	6.25%	2.95%	2.90%
220	Power		35.26%	-9.04%	-1.87%	-12.04%	-4.72%	10.02%	0.00%	0.00%	2.50%	2.50%	2.50%
2xx	SMIP/GARP				-1.97%	1.92%	170.87%	-15.80%	0.00%	0.00%	31.00%	0.00%	0.00%
300	Materials and Supplies		3.94%	9.45%	2.53%	-5.55%	2.81%	5.17%	2.00%	2.00%	5.13%	2.32%	1.86%
307	Chemicals		-11.52%	4.32%	11.68%	8.16%	-8.68%	-0.69%	3.30%	3.30%	3.30%	3.30%	3.30%
400	Equipment		-3.38%	33.12%	-13.31%	34.07%	-23.58%	28.00%	2.25%	2.25%	7.50%	2.33%	2.32%
500	Contributions		9.94%	-43.40%	67.05%	18.59%	-36.35%	29.88%	0.00%	0.00%	0.00%	0.00%	0.00%
800	Transfers		-18.37%	17.03%	18.93%	-28.52%	-19.05%	4.81%	2.00%	2.00%	3.00%	3.00%	3.00%
Total PWD Operating and Maintenance Expenses Summary - Annual Increase			7.25%	4.62%	6.57%	2.08%	4.61%	3.87%	2.16%	2.55%	6.58%	2.65%	2.79%
PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase													
100	Salaries & Wages				0.87%	2.45%	5.58%	4.26%	3.82%	1.88%	4.09%	4.08%	4.01%
1xx	Benefits				0.33%	-0.98%	7.95%	6.93%	7.90%	3.74%	6.39%	6.23%	6.30%
191	Pension				19.62%	5.39%	1.77%	3.02%	1.25%	-0.36%	3.22%	2.86%	3.23%
190	Pension Obligations				44.71%	33.44%	5.06%	0.64%	-2.44%	22.23%	0.60%	0.59%	0.55%
200	Services				6.86%	6.14%	5.24%	4.85%	4.57%	2.92%	3.39%	3.98%	4.02%
220	Power				6.48%	-7.75%	-6.31%	-2.67%	1.58%	3.24%	0.83%	1.66%	2.50%
2xx	SMIP/GARP						39.35%	32.47%	31.63%	-5.57%	9.42%	9.42%	9.42%
300	Materials and Supplies				5.26%	1.96%	-0.15%	0.70%	3.32%	3.04%	3.03%	3.14%	3.09%
307	Chemicals				1.01%	8.01%	3.32%	-0.64%	-2.15%	1.95%	3.30%	3.30%	3.30%
400	Equipment				3.70%	15.66%	-3.88%	9.46%	0.00%	10.20%	3.97%	4.00%	4.02%
500	Contributions				1.30%	3.89%	8.03%	-0.66%	-6.15%	9.11%	0.00%	0.00%	0.00%
800	Transfers				4.35%	-0.17%	-11.71%	-15.36%	-4.70%	2.93%	2.33%	2.67%	3.00%
Total PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase					6.14%	4.41%	4.40%	3.51%	3.54%	2.86%	3.75%	3.91%	3.99%

Cost Center/Expense Class	Escalation Reference	Historical					Study Period						
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021

Cost Center/Expense Class	Escalation Reference	Historical 2010	2011	2012	2013	2014	Study Period 2015	2016	2017	2018	2019	2020	2021

GRAPH DATA		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Salaries & Wages	100	18,362,251	18,778,634	18,500,116	19,134,573	19,307,284	20,275,588	20,237,399	20,844,521	21,469,857	23,321,952	24,021,371	24,741,692
Benefits	1xx	39,974,376	42,279,349	38,395,202	40,369,391	41,044,344	48,293,131	49,358,102	51,556,567	53,921,078	59,442,823	61,809,857	64,772,761
Services	200	15,023,426	13,613,915	16,130,105	18,412,885	19,597,086	20,225,877	23,514,423	23,866,281	24,454,032	25,361,203	26,178,957	27,027,656
Power	220	-	-	-	-	-	-	-	-	-	-	-	-
Materials and Supplies	300	5,198,874	6,097,487	5,255,415	5,158,682	5,874,764	6,480,357	6,189,460	6,313,249	6,439,514	6,574,304	6,676,670	6,767,664
Chemicals	307	-	-	-	-	-	-	-	-	-	-	-	-
Equipment	400	676	-	-	-	-	-	-	-	-	-	-	-
Contributions	500	4,897,054	5,383,840	3,047,230	5,090,380	6,036,579	3,842,040	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228	4,990,228
Transfers	800	-	-	-	-	-	-	-	-	-	-	-	-
		$ 16,779,160	$ 16,078,640	$ 16,779,011	$ 18,250,644	$ 16,171,237	$ 14,856,850	$ 14,883,907	$ 15,211,186	$ 15,545,898	$ 15,982,645	$ 16,396,705	$ 16,809,436

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Insert New Year of Data

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009
														InterDept O&M - 1
$ 6,265,289	$ 5,816,911	$ 5,601,271	$ 5,601,271	$ 5,149,616	$ 5,142,942	$ 4,585,799	$ 4,937,354	$ 5,233,042	$ 4,621,214	$ 4,039,582	$ 3,994,808	$ 4,442,039	$ 4,080,157	$ 4,371,771
14,706,497	11,551,218	10,814,511	10,035,811	10,457,725	10,457,725	3,061,980	4,524,200	10,226,939	9,567,462	9,214,801	6,797,598	5,734,828	2,547,454	2,921,299
2,025,150	1,817,650	1,205,350	1,334,050	1,254,358	1,254,358	331,850	331,850	1,609,074	944,117	791,307	737,735	732,780	269,410	289,475
-	-	-	-	-	-	282,500	317,000						676	21,086
-	-	-	-	-	-	-	-			-	-	-	-	-
-	-	-	-	-	-	-	-			-	-	-	-	-
$ 22,996,936	$ 19,185,779	$ 17,621,132	$ 16,971,132	$ 16,861,699	$ 16,855,025	$ 8,262,129	$ 10,110,404	$ 17,069,055	$ 15,132,793	$ 14,045,690	$ 11,530,141	$ 10,909,647	$ 6,897,697	$ 7,603,631
$ 202,424	$ 230,886	$ 224,100	$ 169,948	$ 56,160	$ -	$ -	$ -	$ 227,983	$ 208,176	$ 169,948	$ 56,160	$ -	$ -	$ -
30,000	-	86,400	66,400	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 232,424	$ 230,886	$ 310,500	$ 236,348	$ 56,160	$ -	$ -	$ -	$ 227,983	$ 208,176	$ 169,948	$ 56,160	$ -	$ -	$ -
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
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$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,042,633	3,959,919	3,786,428	3,739,360	3,739,360	2,500,266	4,532,615	3,613,895	3,959,919	3,786,428	3,739,360	3,725,560	2,500,266	3,613,895	3,613,445
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 4,042,633	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,739,360	$ 2,500,266	$ 4,532,615	$ 3,613,895	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,725,560	$ 2,500,266	$ 3,613,895	$ 3,613,445
$ 2,969,317	$ 2,969,317	$ 2,745,986	$ 2,745,986	$ 2,745,986	$ 2,745,986	$ 2,745,986	$ 2,745,986	$ 2,602,612	$ 2,521,284	$ 2,554,406	$ 2,387,074	$ 2,233,948	$ 1,969,686	$ 2,038,356
1,489,000	1,489,000	1,489,000	1,489,000	1,489,000	1,489,000	1,500,000	1,500,000	1,488,271	1,438,785	894,932	1,256,788	1,350,082	1,110,649	919,421
4,274,640	4,274,640	4,274,640	4,274,640	4,274,640	4,274,640	4,296,640	4,296,640	4,232,497	4,225,827	3,769,562	3,958,404	4,671,274	4,130,928	4,231,794
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 8,732,957	$ 8,732,957	$ 8,509,626	$ 8,509,626	$ 8,509,626	$ 8,509,626	$ 8,542,626	$ 8,542,626	$ 8,323,380	$ 8,185,896	$ 7,218,900	$ 7,602,266	$ 8,255,304	$ 7,211,263	$ 7,189,571
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 374,965	$ -	$ -	$ -	$ -	$ -	$ -	$ 107,022
53,115,262	53,120,209	43,330,000	43,130,000	43,130,000	40,480,000	40,420,000	36,371,000	48,293,131	41,044,344	40,369,391	38,395,202	42,279,349	39,974,376	39,345,771
46,529,000	42,000,000	48,800,000	46,638,000	43,106,000	31,500,000	31,586,000	30,101,000	40,861,335	38,305,052	35,507,147	38,770,167	32,719,112	20,744,208	31,970,418
12,100,000	11,700,000	10,400,000	9,430,000	9,566,000	8,800,000	8,400,000	7,334,000	11,415,451	22,450,403	20,452,252	9,843,048	9,449,462	6,749,386	6,393,510
-	-	-	-	-	-	-	-			-	-	-	-	-
-	-	-	-	-	-	-	-			-	-	-	-	-
-	-	-	-	-	-	-	-						-	-
6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	3,840,767	6,036,098	5,090,210	3,046,915	5,383,670	4,896,811	4,975,801
-	-	-	-	-	-	-	-						-	-
$ 118,244,262	$ 113,320,209	$ 109,030,000	$ 105,698,000	$ 102,302,000	$ 87,280,000	$ 86,906,000	$ 80,680,965	$ 104,410,684	$ 107,835,896	$ 101,418,999	$ 90,055,332	$ 89,831,593	$ 72,364,781	$ 82,792,522
$ 11,138,839	$ 11,404,254	$ 11,188,570	$ 10,874,716	$ 11,092,316	$ 10,649,066	$ 10,990,857	$ 10,876,074	$ 10,013,594	$ 9,701,251	$ 10,020,393	$ 9,729,716	$ 9,557,122	$ 9,917,749	$ 10,015,900
4,484,480	4,244,480	4,100,780	4,022,815	3,852,510	3,578,000	9,873,851	10,071,700	4,241,117	4,133,603	4,020,068	3,677,818	3,371,322	7,007,095	6,570,460
640,920	640,920	788,120	808,425	902,800	913,980	1,288,839	1,251,300	630,784	688,157	561,421	525,300	650,423	752,772	952,679
	-	-	-	-	-	-	-	-	-	-	-			-
5,000	5,000	1,500	1,500	3,000	3,000	3,000	3,000	1,273	481	170	315	170	243	1,476
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 16,269,239	$ 16,294,654	$ 16,078,970	$ 15,707,456	$ 15,850,626	$ 15,144,046	$ 22,156,547	$ 22,202,074	$ 14,886,768	$ 14,523,492	$ 14,602,052	$ 13,933,149	$ 13,579,037	$ 17,677,859	$ 17,540,515
								x						
$ 77,383	$ 77,383	$ 69,028	$ 69,028	$ 69,028	$ 69,228	$ 69,028	$ 67,559	$ 60,866	$ 62,746	$ 68,882	$ 45,856	$ 69,074	$ 69,028	$ 65,625
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 77,383	$ 77,383	$ 69,028	$ 69,028	$ 69,028	$ 69,228	$ 69,028	$ 67,559	$ 60,866	$ 62,746	$ 68,882	$ 45,856	$ 69,074	$ 69,028	$ 65,625
$ 2,506,206	$ 2,506,206	$ 2,432,087	$ 2,373,754	$ 2,305,324	$ 2,516,764	$ 2,526,409	$ 2,577,266	$ 2,137,491	$ 2,192,613	$ 2,281,362	$ 2,286,502	$ 2,476,451	$ 2,325,631	$ 2,281,057
691,614	691,614	691,614	691,614	691,614	691,614	747,691	747,691	309,631	670,808	543,724	672,341	657,417	744,333	744,138
43,010	43,010	43,010	43,010	43,010	43,010	46,497	46,497	8,002	16,663	36,392	33,976	43,010	45,764	46,368
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 3,240,830	$ 3,240,830	$ 3,166,711	$ 3,108,378	$ 3,039,948	$ 3,251,388	$ 3,320,597	$ 3,371,454	$ 2,455,124	$ 2,880,084	$ 2,861,478	$ 2,992,819	$ 3,176,878	$ 3,115,728	$ 3,071,563
$ 23,159,458	$ 23,004,957	$ 22,261,042	$ 21,834,703	$ 21,418,430	$ 21,123,986	$ 20,918,079	$ 21,579,204	$ 20,275,588	$ 19,307,284	$ 19,134,573	$ 18,500,116	$ 18,778,634	$ 18,362,251	$ 18,879,731
53,115,262	53,120,209	43,330,000	43,130,000	43,130,000	40,480,000	40,420,000	36,371,000	48,293,131	41,044,344	40,369,391	38,395,202	42,279,349	39,974,376	39,345,771
46,529,000	42,000,000	48,800,000	46,638,000	43,106,000	31,500,000	31,586,000	30,101,000	40,861,335	38,305,052	35,507,147	38,770,167	32,719,112	20,744,208	31,970,418	1.0539456
12,100,000	11,700,000	10,400,000	9,430,000	9,566,000	8,800,000	8,400,000	7,334,000	11,415,451	22,450,403	20,452,252	9,843,048	9,449,462	6,749,386	6,393,510
25,444,224	21,936,231	20,968,733	20,045,000	20,230,209	18,716,605	19,716,137	20,457,486	20,225,877	19,597,086	18,412,885	16,130,105	13,613,915	15,023,426	14,768,763
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6,983,720	6,776,220	6,311,120	6,460,125	6,474,808	6,485,988	5,963,826	5,926,287	6,480,357	5,874,764	5,158,682	5,255,415	6,097,487	5,198,874	5,520,316
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	282,500	317,000	-	-	-	-	-	676	21,086
6,505,000	6,505,000	6,501,500	6,501,500	6,503,000	6,503,000	6,503,000	6,503,000	3,842,040	6,036,579	5,090,380	3,047,230	5,383,840	4,897,054	4,977,277
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 173,836,664	**$ 165,042,617**	**$ 158,572,395**	**$ 154,039,328**	**$ 150,428,447**	**$ 133,609,579**	**$ 133,789,542**	**$ 128,588,977**	**$ 151,393,779**	**$ 152,615,511**	**$ 144,125,309**	**$ 129,941,283**	**$ 128,321,799**	**$ 110,950,251**	**$ 121,876,872**
$ 126,121,058	**$ 122,064,666**	**$ 116,284,952**	**$ 115,698,653**	**$ 113,259,430**	**$ 112,518,986**	**$ 111,393,079**	**$ 116,005,481**	**$ 118,718,437**	**$ 108,902,414**	**$ 104,392,548**	**$ 100,874,990**	**$ 101,283,104**	**$ 101,721,666**	**$ 105,538,586**
88.6%	**87.5%**	**88.2%**	**85.7%**	**84.6%**	**71.8%**	**72.2%**	**63.6%**	**84.7%**	**93.5%**	**92.3%**	**86.3%**	**83.4%**	**66.3%**	**73.6%**
42.1%	**43.5%**	**37.3%**	**37.3%**	**38.1%**	**36.0%**	**36.3%**	**31.4%**	**40.7%**	**37.7%**	**38.7%**	**38.1%**	**41.7%**	**39.3%**	**37.3%**
36.9%	**34.4%**	**42.0%**	**40.3%**	**38.1%**	**28.0%**	**28.4%**	**25.9%**	**34.4%**	**35.2%**	**34.0%**	**38.4%**	**32.3%**	**20.4%**	**30.3%**
9.6%	**9.6%**	**8.9%**	**8.2%**	**8.4%**	**7.8%**	**7.5%**	**6.3%**	**9.6%**	**20.6%**	**19.6%**	**9.8%**	**9.3%**	**6.6%**	**6.1%**
														Five Year Av
0.67%	3.34%	1.95%	1.94%	1.39%	0.98%	-3.06%		5.02%	0.90%	3.43%	-1.48%	2.27%	-2.74%	2.00%
-0.01%	22.59%	0.46%	0.00%	6.55%	0.15%	11.13%		17.66%	1.67%	5.14%	-9.19%	5.77%	1.60%	3.85%
10.78%	-13.93%	4.64%	8.19%	36.84%	-0.27%	4.93%		6.67%	7.88%	-8.42%	18.49%	57.73%	-35.11%	14.52%
3.42%	12.50%	10.29%	-1.42%	8.70%	4.76%	14.54%		-49.15%	9.77%	107.78%	4.17%	40.00%	5.57%	11.08%
15.99%	4.61%	4.61%	-0.92%	8.09%	-5.07%	-3.62%		3.21%	6.43%	14.15%	18.48%	-9.38%	1.72%	6.13%
3.06%	7.37%	-2.31%	-0.23%	-0.17%	8.76%	0.63%		10.31%	13.88%	-1.84%	-13.81%	17.28%	-5.82%	4.51%

Budget								Actual							
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009	
					-100.00%	-10.88%						-100.00%	-96.79%		-100.00%
0.00%	0.05%	0.00%	-0.02%	0.00%	0.00%	0.00%		-36.35%	18.59%	67.05%	-43.40%	9.94%	-1.61%		-4.74%
5.33%	4.08%	2.94%	2.40%	12.59%	-0.13%	4.04%		-0.80%	5.89%	10.92%	1.26%	15.66%	-8.97%		6.41%
1.98%	2.41%	1.76%	1.44%	-0.25%				3.10%	0.93%	1.38%	-0.67%				
7.19%	7.19%	2.29%	2.19%	5.85%				7.95%	-0.98%	0.33%	-0.81%				
-0.08%	-0.86%	15.71%	13.87%	12.72%				1.77%	5.39%	19.62%	6.64%				#DIV/0!
8.67%	6.94%	5.73%	3.93%	9.26%				5.06%	33.44%	44.71%	15.47%				
8.27%	2.74%	3.86%	0.55%	-0.37%				7.83%	12.91%	7.02%	2.98%				
2.63%	1.53%	-0.91%	2.70%	2.99%				7.23%	-1.23%	-0.26%	-1.63%				
			-100.00%	-100.00%						-100.00%	-100.00%				
0.02%	0.01%	-0.01%	-0.01%	0.00%				8.03%	3.89%	1.30%	-15.09%				
4.11%	3.14%	5.88%	4.81%	5.37%				5.23%	5.95%	9.11%	2.16%				

InterDept O&M - 2

InterDept O&M - 3

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Five Year Av
2.00%
3.85%
14.52%
11.08%
6.13%

4.51%

-100.00%
-4.74%

6.41%

InterDept O&M - 4

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

InterDept O&M - 5

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

InterDept O&M - 6

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

InterDept O&M - 7

Five Year Av
3.60%
5.59%
2.75%
0.33%
3.20%
1.49%
5.55%
2.65%
3.30%

Five Year Av
3.14%
3.85%
14.52%
11.08%
6.07%
0.23%
2.52%
0.36%
2.70%
-4.74%
-8.05%
5.01%

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Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

Budget								Actual						
2016	2015	2014	2013	2012	2011	2010	2009	2015	2014	2013	2012	2011	2010	2009

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CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

O&M Adjustments:

Include	O&M Adj #	Description
TRUE	1	Additional SMIP Costs
TRUE	2	General Fund Reimbursement (combined sewer outfall construction)
TRUE	3	AMI
TRUE	4	OOW Additional Staffing, and Class 200 Additions
TRUE	5	Funding for Grants
TRUE	6	HR & Admin Additional Staffing and Class 200 Revision
TRUE	7	P&E Additional Staffing and Class 200 Costs
TRUE	8	Finance Additional Staffing
TRUE	9	Public Affairs Additional Staffing
TRUE	10	Operations Add Package Adjustments
TRUE	11	Affordability Program

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Direct O&M									
O&M Adj 1	Additional SMIP Costs								O&M Adjustments - 1
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP		2,000,000		0	0	3,550,000	3,550,000	3,550,000
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ 2,000,000	$ -	$ 0	$ 0	$ 3,550,000	$ 3,550,000	$ 3,550,000
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 1 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		2,000,000	-	0	0	3,550,000	3,550,000	3,550,000
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 1 Summary			**$ 2,000,000**	**$ -**	**$ 0**	**$ 0**	**$ 3,550,000**	**$ 3,550,000**	**$ 3,550,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 2	**General Fund Reimbursement (combined sewer outfall construction)**								**O&M Adjustments - 2**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers				-	-			
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 2 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 2 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 3	**AMI**								**O&M Adjustments - 3**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages					$ -	$ (48,000)	$ (295,000)	$ (593,000)
200	Services					-	(139,000)	(639,000)	(1,347,000)
220	Power								
300	Materials and Supplies					-	217,000	331,000	338,000
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ 30,000	$ (603,000)	$ (1,602,000)
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 3 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ (48,000)	$ (295,000)	$ (593,000)
200	Services		-	-	-	-	(139,000)	(639,000)	(1,347,000)
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	217,000	331,000	338,000
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 3 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 30,000**	**$ (603,000)**	**$ (1,602,000)**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 4	**OOW Additional Staffing, and Class 200 Additions**								**O&M Adjustments - 4**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages				$ -	$ -	$ 1,148,000	$ 1,363,000	$ 1,404,000
200	Services				-	-	1,000,000	1,000,000	1,000,000
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ 2,148,000	$ 2,363,000	$ 2,404,000

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 4 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 1,148,000	$ 1,363,000	$ 1,404,000
200	Services		-	-	-	-	1,000,000	1,000,000	1,000,000
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 4 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,148,000**	**$ 2,363,000**	**$ 2,404,000**

Cost Center/Expense Class			Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 5	**Funding for Grants**									**O&M Adjustments - 5**
Human Resources and Administration										
100	Salaries & Wages									
200	Services									
300	Materials and Supplies									
400	Equipment									
500	Contributions									
800	Transfers									
Subtotal Human Resources and Administration				$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance										
100	Salaries & Wages									
200	Services	NOTE: Includes Affordability Program Grant Adjustment \			0	0	0	1,270,000	1,270,000	1,270,000
2xx	SMIP/GARP									
300	Materials and Supplies									
400	Equipment									
500	Contributions									
800	Transfers									
Subtotal Finance				$ -	$ 0	$ 0	$ 0	$ 1,270,000	$ 1,270,000	$ 1,270,000
Planning and Engineering										
100	Salaries & Wages									
200	Services									
300	Materials and Supplies									
400	Equipment									
500	Contributions									
800	Transfers									
Subtotal Planning and Engineering				$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations										
100	Salaries & Wages									
200	Services									
220	Power									
300	Materials and Supplies									
307	Chemicals									
400	Equipment									
500	Contributions									
800	Transfers									
Subtotal Operations				$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services										
100	Salaries & Wages									
200	Services									
300	Materials and Supplies									
400	Equipment									
500	Contributions									
800	Transfers									
Subtotal Planning & Environmental Services				$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 5 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		-	0	0	0	1,270,000	1,270,000	1,270,000
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 5 Summary			**$ -**	**$ 0**	**$ 0**	**$ 0**	**$ 1,270,000**	**$ 1,270,000**	**$ 1,270,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 6	**HR & Admin Additional Staffing and Class 200 Revision**								**O&M Adjustments - 6**
Human Resources and Administration									
100	Salaries & Wages				$ -	$ -	$ 398,000	$ 410,000	$ 422,000
200	Services				-	-	-	-	-
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ 398,000	$ 410,000	$ 422,000
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 6 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 398,000	$ 410,000	$ 422,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 6 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 398,000**	**$ 410,000**	**$ 422,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 7	**P&E Additional Staffing and Class 200 Costs**								**O&M Adjustments - 7**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages				$ -	$ -	$ 530,000	$ 546,000	$ 562,000
200	Services				-	-	-	-	-
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ 530,000	$ 546,000	$ 562,000
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 7 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 530,000	$ 546,000	$ 562,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 7 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 530,000**	**$ 546,000**	**$ 562,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 8	**Finance Additional Staffing**								**O&M Adjustments - 8**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages				$ -	$ -	$ 60,000	$ 62,000	$ 64,000
200	Services				(822,000)				
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ (822,000)	$ -	$ 60,000	$ 62,000	$ 64,000
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 8 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 60,000	$ 62,000	$ 64,000
200	Services		-	-	(822,000)	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 8 Summary			**$ -**	**$ -**	**$ (822,000)**	**$ -**	**$ 60,000**	**$ 62,000**	**$ 64,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 9	**Public Affairs Additional Staffing**								**O&M Adjustments - 9**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages				$ -	$ -	$ 106,000	$ 109,000	$ 112,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ 106,000	$ 109,000	$ 112,000
PWD O&M Adjustment 9 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 106,000	$ 109,000	$ 112,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 9 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 106,000**	**$ 109,000**	**$ 112,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 10	**Operations Add Package Adjustments**								**O&M Adjustments - 10**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services								
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages						$ 760,000	$ 783,000	$ 806,000
200	Services				-	-	631,000	555,000	574,000
220	Power								
300	Materials and Supplies				-	-	570,000	585,000	600,000
307	Chemicals								
400	Equipment				-	-	130,000	135,000	140,000
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ 2,091,000	$ 2,058,000	$ 2,120,000
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 10 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 760,000	$ 783,000	$ 806,000
200	Services		-	-	-	-	631,000	555,000	574,000
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	570,000	585,000	600,000
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	130,000	135,000	140,000
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 10 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,091,000**	**$ 2,058,000**	**$ 2,120,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 11	**Affordability Program**								**O&M Adjustments - 11**
Human Resources and Administration									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Human Resources and Administration			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Finance									
100	Salaries & Wages								
200	Services	NOTE: BASIS2 Costs Only. Grant Adjustment Included With Adj 5 (Grants)			-	-	645,000	668,000	691,000
2xx	SMIP/GARP								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Finance			$ -	$ -	$ -	$ -	$ 645,000	$ 668,000	$ 691,000
Planning and Engineering									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning and Engineering			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operations									
100	Salaries & Wages								
200	Services								
220	Power								
300	Materials and Supplies								
307	Chemicals								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Operations			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Planning & Environmental Services									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Planning & Environmental Services			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
Public Affairs									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Affairs			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD O&M Adjustment 11 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
200	Services		-	-	-	-	645,000	668,000	691,000
220	Power		-	-	-	-	-	-	-
2xx	SMIP/GARP		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD O&M Adjustment 11 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 645,000**	**$ 668,000**	**$ 691,000**
Total Adjustments			$ 2,000,000	$ 0	$ (822,000)	$ 0	$ 10,828,000	$ 10,433,000	$ 9,593,000

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
Inter Departmental O&M									
O&M Adj 1	Additional SMIP Costs								O&M Adjustments - 12
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

		Historical	Study Period						
Cost Center/Expense Class		**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**
City Finance									
100	Salaries & Wages								
1xx	Benefits								
191	Pension								
190	Pension Obligations								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 1 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	-	-	-
191	Pension		-	-	-	-	-	-	-
190	Pension Obligations		-	-	-	-	-	-	-
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 1 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 2	**General Fund Reimbursement (combined sewer outfall construction)**								**O&M Adjustments - 13**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits								
191	Pension								
190	Pension Obligations								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 2 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	-	-	-
191	Pension		-	-	-	-	-	-	-
190	Pension Obligations		-	-	-	-	-	-	-
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 2 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 3	**AMI**								**O&M Adjustments - 14**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies					-	6,000	(23,000)	(66,000)
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ 6,000	$ (23,000)	$ (66,000)

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits					-	(21,000)	(128,000)	(261,000)
191	Pension					-	(18,000)	(107,000)	(214,000)
190	Pension Obligations					-	(4,000)	(26,000)	(50,000)
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ (43,000)	$ (261,000)	$ (525,000)
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 3 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	(21,000)	(128,000)	(261,000)
191	Pension		-	-	-	-	(18,000)	(107,000)	(214,000)
190	Pension Obligations		-	-	-	-	(4,000)	(26,000)	(50,000)
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	6,000	(23,000)	(66,000)
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 3 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ (37,000)**	**$ (284,000)**	**$ (591,000)**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 4	OOW Additional Staffing, and Class 200 Additions								O&M Adjustments - 15
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	492,000	590,000	619,000
191	Pension				-	-	421,000	492,000	507,000
190	Pension Obligations				-	-	103,000	119,000	119,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 1,016,000	$ 1,201,000	$ 1,245,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 4 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	492,000	590,000	619,000
191	Pension		-	-	-	-	421,000	492,000	507,000
190	Pension Obligations		-	-	-	-	103,000	119,000	119,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 4 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,016,000**	**$ 1,201,000**	**$ 1,245,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 5	**Funding for Grants**								**O&M Adjustments - 16**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits								
191	Pension								
190	Pension Obligations								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 5 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	-	-	-
191	Pension		-	-	-	-	-	-	-
190	Pension Obligations		-	-	-	-	-	-	-
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 5 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 6	**HR & Admin Additional Staffing and Class 200 Revision**								**O&M Adjustments - 17**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	170,000	177,000	186,000
191	Pension				-	-	146,000	148,000	152,000
190	Pension Obligations				-	-	36,000	36,000	36,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 352,000	$ 361,000	$ 374,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 6 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	170,000	177,000	186,000
191	Pension		-	-	-	-	146,000	148,000	152,000
190	Pension Obligations		-	-	-	-	36,000	36,000	36,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 6 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 352,000**	**$ 361,000**	**$ 374,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 7	**P&E Additional Staffing and Class 200 Costs**								**O&M Adjustments - 18**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	227,000	236,000	248,000
191	Pension				-	-	194,000	197,000	203,000
190	Pension Obligations				-	-	48,000	48,000	48,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 469,000	$ 481,000	$ 499,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 7 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	227,000	236,000	248,000
191	Pension		-	-	-	-	194,000	197,000	203,000
190	Pension Obligations		-	-	-	-	48,000	48,000	48,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 7 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 469,000**	**$ 481,000**	**$ 499,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 8	**Finance Additional Staffing**								**O&M Adjustments - 19**
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	26,000	27,000	28,000
191	Pension				-	-	22,000	22,000	23,000
190	Pension Obligations				-	-	5,000	5,000	5,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 53,000	$ 54,000	$ 56,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 8 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	26,000	27,000	28,000
191	Pension		-	-	-	-	22,000	22,000	23,000
190	Pension Obligations		-	-	-	-	5,000	5,000	5,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 8 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 53,000**	**$ 54,000**	**$ 56,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 9	**Public Affairs Additional Staffing**								O&M Adjustments - 20
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	45,000	47,000	49,000
191	Pension				-	-	39,000	39,000	40,000
190	Pension Obligations				-	-	10,000	10,000	9,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 94,000	$ 96,000	$ 98,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 9 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	45,000	47,000	49,000
191	Pension		-	-	-	-	39,000	39,000	40,000
190	Pension Obligations		-	-	-	-	10,000	10,000	9,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 9 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 94,000**	**$ 96,000**	**$ 98,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 10	**Operations Add Package Adjustments**								O&M Adjustments - 21
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits						326,000	339,000	355,000
191	Pension						279,000	283,000	291,000
190	Pension Obligations						68,000	68,000	68,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 673,000	$ 690,000	$ 714,000
Revenue									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 8 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ -	$ -	$ -
1xx	Benefits		-	-	-	-	326,000	339,000	355,000
191	Pension		-	-	-	-	279,000	283,000	291,000
190	Pension Obligations		-	-	-	-	68,000	68,000	68,000
200	Services		-	-	-	-	-	-	-
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 8 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 673,000**	**$ 690,000**	**$ 714,000**

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
O&M Adj 11	**Affordability Program**								O&M Adjustments - 22
Division of Technology									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Division of Technology			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Mayor's Office of Transportation & Utilities									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Mayor's Office of Transportation & Utilities			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Police									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Police			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Public Property									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Public Property			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fleet Management									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Fleet Management			$ -	$ -	$ -	$ -	$ -	$ -	$ -

Cost Center/Expense Class		Historical 2014	Study Period 2015	2016	2017	2018	2019	2020	2021
City Finance									
100	Salaries & Wages								
1xx	Benefits				-	-	517,000	538,000	565,000
191	Pension				-	-	443,000	449,000	462,000
190	Pension Obligations				-	-	109,000	109,000	109,000
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal City Finance			$ -	$ -	$ -	$ -	$ 1,069,000	$ 1,096,000	$ 1,136,000
Revenue									
100	Salaries & Wages				$ -	$ -	$ 1,208,000	$ 1,244,000	$ 1,281,000
200	Services				-	-	118,000	120,000	122,000
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Revenue			$ -	$ -	$ -	$ -	$ 1,326,000	$ 1,364,000	$ 1,403,000
Procurement									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Procurement			$ -	$ -	$ -	$ -	$ -	$ -	$ -
Law									
100	Salaries & Wages								
200	Services								
300	Materials and Supplies								
400	Equipment								
500	Contributions								
800	Transfers								
Subtotal Law			$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWD Inter Departmental O&M Adjustment 11 Summary									
100	Salaries & Wages		$ -	$ -	$ -	$ -	$ 1,208,000	$ 1,244,000	$ 1,281,000
1xx	Benefits		-	-	-	-	517,000	538,000	565,000
191	Pension		-	-	-	-	443,000	449,000	462,000
190	Pension Obligations		-	-	-	-	109,000	109,000	109,000
200	Services		-	-	-	-	118,000	120,000	122,000
220	Power		-	-	-	-	-	-	-
300	Materials and Supplies		-	-	-	-	-	-	-
307	Chemicals		-	-	-	-	-	-	-
400	Equipment		-	-	-	-	-	-	-
500	Contributions		-	-	-	-	-	-	-
800	Transfers		-	-	-	-	-	-	-
Total PWD Inter Departmental O&M Adjustment 11 Summary			**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,395,000**	**$ 2,460,000**	**$ 2,539,000**
Total Adjustments			$ -	$ -	$ -	$ -	$ 5,015,000	$ 5,059,000	$ 4,934,000
			$ 2,000,000	$ 0	$ (822,000)	$ 0	$ 15,843,000	$ 15,492,000	

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Insert New Year of Data

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O&M Graph Toggle

Water Utility
Wastewater Utility
Combined Utility

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Source: Email from PWD 8/21/2015
Source: Email from PWD 8/21/2015

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

Budget								Actual					
2016	2015	2014	2013	2012	2011	2010	2009	2014	2013	2012	2011	2010	2009

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Combined Utility

Debt Service Summary	Projected 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Existing Revenue Bonds	$ 192,927,209	$ 198,601,576	$ 181,580,348	$ 182,768,787	$ 133,274,435	$ 122,357,550	$ 122,544,700	$ 111,448,600	$ 112,165,750	$ 87,679,150	$ 87,741,400	$ 87,745,488	$ 87,809,200	$ 72,431,200	$ 86,061,950
Existing PENNVSEST Loans	12,343,152	12,343,152	12,343,152	12,926,712	13,120,389	13,074,007	13,074,371	13,074,007	13,074,007	13,074,007	12,710,848	9,946,618	7,058,350	7,058,350	2,474,802
Existing G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proposed Revenue Bonds	-	9,768,625	13,791,000	27,291,000	49,512,434	67,726,835	85,290,723	103,830,382	123,345,812	142,210,729	162,376,674	182,867,876	204,334,849	226,452,337	248,569,825
Proposed PENNVEST Loans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proposed G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**$205,270,361**	**$220,713,353**	**$207,714,501**	**$222,986,499**	**$195,907,257**	**$203,158,393**	**$220,909,794**	**$228,352,989**	**$248,585,570**	**$242,963,886**	**$262,828,922**	**$280,559,981**	**$299,202,399**	**$ 305,941,887**	**$337,106,577**

Existing Debt Service

Revenue Bond Debt Service

DS - 1a

Revenue Bonds	Series 1995			Series 1997B VRB			Series 1998 Refunding			Series 2001A&B Refunding		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	50.68%	49.32%		48.00%	52.00%		41.00%	59.00%		43.00%	57.00%	
Fiscal Year												
2014	$ -	$ -	$ -	$ 1,574,629	$ 1,705,848	$ 3,280,477	$ 15,997,495	$ 23,020,786	$ 39,018,281	$ -	$ -	$ -
2015	-	-		1,806,794	1,957,360	3,764,155	15,999,494	23,023,662	39,023,156	-	-	
2016	-	-		2,507,760	2,716,740	5,224,500	-	-		-	-	
2017	-	-		2,550,960	2,763,540	5,314,500	-	-		-	-	
2018	-	-		2,544,480	2,756,520	5,301,000	-	-		-	-	
2019	-	-		2,583,360	2,798,640	5,382,000	-	-		-	-	
2020	-	-		2,619,360	2,837,640	5,457,000	-	-		-	-	
2021	-	-		2,652,480	2,873,520	5,526,000	-	-		-	-	
2022	-	-		2,682,720	2,906,280	5,589,000	-	-		-	-	
2023	-	-		2,710,080	2,935,920	5,646,000	-	-		-	-	
2024	-	-		2,734,560	2,962,440	5,697,000	-	-		-	-	
2025	-	-		2,756,160	2,985,840	5,742,000	-	-		-	-	
2026	-	-		2,821,680	3,056,820	5,878,500	-	-		-	-	
2027	-	-		2,836,080	3,072,420	5,908,500	-	-		-	-	
2028	-	-		2,894,400	3,135,600	6,030,000	-	-		-	-	
2029	-	-		-	-		-	-		-	-	
2030	-	-		-	-		-	-		-	-	
2031	-	-		-	-		-	-		-	-	
2032	-	-		-	-		-	-		-	-	
2033	-	-		-	-		-	-		-	-	
2034	-	-		-	-		-	-		-	-	
2035	-	-		-	-		-	-		-	-	
2036	-	-		-	-		-	-		-	-	
2037	-	-		-	-		-	-		-	-	
2038	-	-		-	-		-	-		-	-	
2039	-	-		-	-		-	-		-	-	
2040	-	-		-	-		-	-		-	-	
2041	-	-		-	-		-	-		-	-	
2042	-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-	
Total Existing Debt	**$ -**	**$ -**	**$ -**	**$ 38,275,503**	**$ 41,465,128**	**$ 79,740,632**	**$ 31,996,989**	**$ 46,044,448**	**$ 78,041,438**	**$ -**	**$ -**	**$ -**

DS - 1b

Revenue Bonds	Series 2005A			Series 2005B			Series 2007A Refunding		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	49.67%	50.33%		49.67%	50.33%		32.00%	68.00%	
Fiscal Year									
2014	$ 8,070,580	$ 8,177,820	$ 16,248,400	$ 9,039,295	$ 9,159,406	$ 18,198,701	$ 4,761,384	$ 10,117,941	$ 14,879,325
2015	5,592,407	5,666,718	11,259,125	9,052,934	9,173,226	18,226,160	2,096,384	4,454,816	6,551,200
2016	2,957,973	2,997,277	5,955,250	9,082,039	9,202,718	18,284,757	1,338,704	2,844,746	4,183,450
2017	-	-		9,117,866	9,239,022	18,356,888	4,283,984	9,103,466	13,387,450
2018	-	-		9,154,436	9,276,078	18,430,514	4,284,264	9,104,061	13,388,325
2019	-	-		83,812	84,925	168,737	4,283,024	9,101,426	13,384,450
2020	-	-		-	-		861,984	1,831,716	2,693,700
2021	-	-		-	-		861,984	1,831,716	2,693,700
2022	-	-		-	-		861,984	1,831,716	2,693,700
2023	-	-		-	-		861,984	1,831,716	2,693,700
2024	-	-		-	-		5,040,992	10,712,108	15,753,100
2025	-	-		-	-		5,044,108	10,718,730	15,762,838
2026	-	-		-	-		5,039,788	10,709,550	15,749,338
2027	-	-		-	-		5,043,600	10,717,650	15,761,250
2028	-	-		-	-		850,720	1,807,780	2,658,500
2029	-	-		-	-		-	-	
2030	-	-		-	-		-	-	
2031	-	-		-	-		-	-	
2032	-	-		-	-		-	-	
2033	-	-		-	-		-	-	
2034	-	-		-	-		-	-	
2035	-	-		-	-		-	-	
2036	-	-		-	-		-	-	
2037	-	-		-	-		-	-	
2038	-	-		-	-		-	-	
2039	-	-		-	-		-	-	
2040	-	-		-	-		-	-	
2041	-	-		-	-		-	-	
2042	-	-		-	-		-	-	
2043	-	-		-	-		-	-	
2044	-	-		-	-		-	-	
2045	-	-		-	-		-	-	
2046	-	-		-	-		-	-	
Total Existing Debt	**$ 16,620,960**	**$ 16,841,815**	**$ 33,462,775**	**$ 45,530,382**	**$ 46,135,376**	**$ 91,665,757**	**$ 45,514,888**	**$ 96,719,137**	**$ 142,234,025**

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Existing Debt Service

Revenue Bond Debt Service

DS - 1c

Revenue Bonds	Series 2007B Refunding			Series 2009A			Series 2010A Refunding			Series 2010C		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	32.00%	68.00%		37.00%	63.00%		46.00%	54.00%		20.00%	80.00%	
Fiscal Year												
2014	$ 2,293,656	$ 4,874,019	$ 7,167,675	$ 2,698,794	$ 4,595,244	$ 7,294,038	$ 28,188,701	$ 33,091,084	$ 61,279,785	$ 1,804,450	$ 7,217,800	$ 9,022,250
2015	2,293,784	4,874,291	7,168,075	2,698,794	4,595,244	7,294,038	28,196,958	33,100,777	61,297,735	1,804,450	7,217,800	9,022,250
2016	2,293,784	4,874,291	7,168,075	2,698,794	4,595,244	7,294,038	50,476,828	59,255,407	109,732,235	1,804,450	7,217,800	9,022,250
2017	2,293,656	4,874,019	7,167,675	4,228,744	7,200,294	11,429,038	17,220,329	20,215,169	37,435,498	7,999,225	31,996,900	39,996,125
2018	2,293,400	4,873,475	7,166,875	4,229,498	7,201,577	11,431,075	17,223,871	20,219,327	37,443,198	7,999,275	31,997,100	39,996,375
2019	2,293,016	4,872,659	7,165,675	4,229,410	7,201,428	11,430,838	17,228,672	20,224,963	37,453,635	1,737,010	6,948,040	8,685,050
2020	2,293,592	4,873,883	7,167,475	4,230,386	7,203,089	11,433,475	-	-		1,737,495	6,949,980	8,687,475
2021	4,641,272	9,862,703	14,503,975	4,229,072	7,200,853	11,429,925	-	-		1,737,370	6,949,480	8,686,850
2022	2,163,352	4,597,123	6,760,475	4,228,952	7,200,648	11,429,600	-	-		1,737,245	6,948,980	8,686,225
2023	4,760,632	10,116,343	14,876,975	4,229,442	7,201,483	11,430,925	-	-		1,737,420	6,949,680	8,687,100
2024	4,771,628	10,139,710	14,911,338	4,229,424	7,201,451	11,430,875	-	-		1,737,033	6,948,130	8,685,163
2025	4,776,728	10,150,547	14,927,275	4,229,225	7,201,113	11,430,338	-	-		1,737,370	6,949,480	8,686,850
2026	1,721,072	3,657,278	5,378,350	4,229,609	7,201,766	11,431,375	-	-		1,736,865	6,947,460	8,684,325
2027	1,721,320	3,657,805	5,379,125	4,230,534	7,203,341	11,433,875	-	-		1,736,820	6,947,280	8,684,100
2028	1,721,424	3,658,026	5,379,450	4,229,054	7,200,821	11,429,875	-	-		1,737,255	6,949,020	8,686,275
2029	1,721,384	3,657,941	5,379,325	4,229,045	7,200,806	11,429,850	-	-		1,737,285	6,949,140	8,686,425
2030	13,032,084	27,693,179	40,725,263	4,229,609	7,201,766	11,431,375	-	-		1,737,390	6,949,560	8,686,950
2031	13,035,066	27,699,515	40,734,581	4,229,803	7,202,097	11,431,900	-	-		1,736,930	6,947,720	8,684,650
2032	13,037,246	27,704,148	40,741,394	4,229,239	7,201,136	11,430,375	-	-		1,737,480	6,949,920	8,687,400
2033	-	-		4,229,378	7,201,373	11,430,750	-	-		1,737,475	6,949,900	8,687,375
2034	-	-		4,229,734	7,201,979	11,431,713	-	-		1,736,670	6,946,680	8,683,350
2035	-	-		4,229,822	7,202,129	11,431,950	-	-		1,736,916	6,947,665	8,684,581
2036	-	-		4,229,156	7,200,995	11,430,150	-	-		1,737,039	6,948,155	8,685,194
2037	-	-		-	-		-	-		1,736,625	6,946,500	8,683,125
2038	-	-		-	-		-	-		1,737,475	6,949,900	8,687,375
2039	-	-		-	-		-	-		1,736,675	6,946,700	8,683,375
2040	-	-		-	-		-	-		1,737,050	6,948,200	8,685,250
2041	-	-		-	-		-	-		1,737,375	6,949,500	8,686,875
2042	-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-	
Total Existing Debt	**$ 83,158,096**	**$ 176,710,954**	**$ 259,869,050**	**$ 92,685,513**	**$ 157,815,874**	**$ 250,501,388**	**$ 158,535,359**	**$ 186,106,726**	**$ 344,642,085**	**$61,366,118**	**$245,464,470**	**$306,830,588**

DS - 1d

Revenue Bonds	Series 2011A			Series 2011B			Series 2012		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	20.00%	80.00%		20.00%	80.00%		20.44%	79.56%	
Fiscal Year									
2014	$ 1,347,400	$ 5,389,600	$ 6,737,000	$ 492,100	$ 1,968,400	$ 2,460,500	$ 1,229,991	$ 4,787,284	$ 6,017,275
2015	1,347,400	5,389,600	6,737,000	492,100	1,968,400	2,460,500	1,231,499	4,793,151	6,024,650
2016	1,347,400	5,389,600	6,737,000	492,100	1,968,400	2,460,500	664,384	2,585,866	3,250,250
2017	1,347,400	5,389,600	6,737,000	1,592,925	6,371,700	7,964,625	664,384	2,585,866	3,250,250
2018	1,347,400	5,389,600	6,737,000	1,845,950	7,383,800	9,229,750	664,384	2,585,866	3,250,250
2019	1,347,400	5,389,600	6,737,000	1,888,225	7,552,900	9,441,125	664,384	2,585,866	3,250,250
2020	1,347,400	5,389,600	6,737,000	1,881,550	7,526,200	9,407,750	664,384	2,585,866	3,250,250
2021	1,347,400	5,389,600	6,737,000	540,350	2,161,400	2,701,750	664,384	2,585,866	3,250,250
2022	1,347,400	5,389,600	6,737,000	1,957,675	7,830,700	9,788,375	664,384	2,585,866	3,250,250
2023	1,347,400	5,389,600	6,737,000	467,125	1,868,500	2,335,625	664,384	2,585,866	3,250,250
2024	1,347,400	5,389,600	6,737,000	467,975	1,871,900	2,339,875	664,384	2,585,866	3,250,250
2025	1,347,400	5,389,600	6,737,000	467,825	1,871,300	2,339,125	664,384	2,585,866	3,250,250
2026	1,347,400	5,389,600	6,737,000	467,650	1,870,600	2,338,250	2,595,598	10,102,402	12,698,000
2027	1,347,400	5,389,600	6,737,000	467,400	1,869,600	2,337,000	2,602,190	10,128,060	12,730,250
2028	1,347,400	5,389,600	6,737,000	-	-		2,592,404	10,089,971	12,682,375
2029	1,347,400	5,389,600	6,737,000	-	-		7,207,497	28,052,503	35,260,000
2030	1,347,400	5,389,600	6,737,000	-	-		-	-	
2031	1,347,400	5,389,600	6,737,000	-	-		-	-	
2032	1,347,400	5,389,600	6,737,000	-	-		-	-	
2033	3,797,400	15,189,600	18,987,000	-	-		-	-	
2034	3,797,500	15,190,000	18,987,500	-	-		-	-	
2035	3,797,535	15,190,140	18,987,675	-	-		-	-	
2036	3,798,200	15,192,800	18,991,000	-	-		-	-	
2037	3,798,150	15,192,600	18,990,750	-	-		-	-	
2038	3,797,350	15,189,400	18,986,750	-	-		-	-	
2039	3,798,150	15,192,600	18,990,750	-	-		-	-	
2040	3,798,100	15,192,400	18,990,500	-	-		-	-	
2041	3,797,850	15,191,400	18,989,250	-	-		-	-	
2042	-	-		-	-		-	-	
2043	-	-		-	-		-	-	
2044	-	-		-	-		-	-	
2045	-	-		-	-		-	-	
2046	-	-		-	-		-	-	
Total Existing Debt	**$59,780,835**	**$239,123,340**	**$298,904,175**	**$13,520,950**	**$54,083,800**	**$67,604,750**	**$24,103,015**	**$93,812,035**	**$117,915,050**

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Existing Debt Service

Revenue Bond Debt Service

DS - 1e

Revenue Bonds	Series 2013A			Series 2014A			Series 2015B Refunding		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	19.38%	80.62%		19.38%	80.62%		37.73%	62.27%	
Fiscal Year									
2014	$ -	$ -		$ -	$ -		$ -	$ -	
2015	1,641,454	6,830,246	8,471,700	1,090,362	4,537,103	5,627,465	-	-	
2016	1,641,454	6,830,246	8,471,700	1,161,333	4,832,417	5,993,750	1,820,105	3,003,716	4,823,821
2017	2,305,072	9,591,628	11,896,700	2,293,020	9,541,480	11,834,500	2,569,559	4,240,541	6,810,100
2018	2,278,527	9,481,173	11,759,700	2,291,107	9,533,518	11,824,625	2,569,559	4,240,541	6,810,100
2019	2,245,347	9,343,103	11,588,450	2,281,904	9,495,221	11,777,125	2,569,559	4,240,541	6,810,100
2020	7,524,990	31,312,210	38,837,200	2,280,572	9,489,678	11,770,250	6,382,667	10,533,308	16,915,975
2021	7,427,521	30,906,629	38,334,150	2,278,925	9,482,825	11,761,750	6,383,941	10,535,409	16,919,350
2022	5,393,311	22,442,089	27,835,400	2,278,242	9,479,983	11,758,225	6,384,318	10,536,032	16,920,350
2023	5,394,038	22,445,112	27,839,150	2,276,900	9,474,400	11,751,300	6,383,327	10,534,398	16,917,725
2024	496,503	2,065,997	2,562,500	2,274,798	9,465,652	11,740,450	1,724,938	2,846,662	4,571,600
2025	496,503	2,065,997	2,562,500	2,273,088	9,458,537	11,731,625	1,724,938	2,846,662	4,571,600
2026	496,503	2,065,997	2,562,500	2,270,109	9,446,141	11,716,250	1,724,938	2,846,662	4,571,600
2027	496,503	2,065,997	2,562,500	2,267,735	9,436,265	11,704,000	1,724,938	2,846,662	4,571,600
2028	496,503	2,065,997	2,562,500	2,265,725	9,427,900	11,693,625	1,724,938	2,846,662	4,571,600
2029	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,473,666	9,033,184	14,506,850
2030	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,467,204	9,022,521	14,489,725
2031	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,462,252	9,014,348	14,476,600
2032	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,456,404	9,004,696	14,461,100
2033	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,451,027	8,995,823	14,446,850
2034	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,443,716	8,983,759	14,427,475
2035	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,439,387	8,976,613	14,416,000
2036	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	5,430,407	8,961,793	14,392,200
2037	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	-	-	
2038	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	-	-	
2039	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	-	-	
2040	496,503	2,065,997	2,562,500	290,636	1,209,364	1,500,000	-	-	
2041	3,565,618	14,836,882	18,402,500	290,636	1,209,364	1,500,000	-	-	
2042	3,566,238	14,839,462	18,405,700	2,086,257	8,681,118	10,767,375	-	-	
2043	3,565,547	14,836,584	18,402,131	2,085,797	8,679,203	10,765,000	-	-	
2044	-	-		2,086,306	8,681,319	10,767,625	-	-	
2045	-	-		-	-		-	-	
2046	-	-		-	-		-	-	
Total Existing Debt	$54,989,668	$ 228,817,313	$283,806,981	$39,620,445	$164,864,495	$204,484,940	$87,311,785	$144,090,536	$231,402,321

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TOTAL REVENUE BONDS						
Water	Wastewater	Total P&I				
$ 77,498,475	$ 114,105,231	$ 191,603,706	$ 203,398,325.19	203,398,325.19	(0.00)	Comes from email from Dave 6/20/15
75,344,814	117,582,395	192,927,209	205,270,360.78	204,933,360.78	337,000.00	Missy's file
80,287,106	118,314,470	198,601,576	220,713,352.84	219,020,173.60	#########	
58,467,125	123,113,224	181,580,348	207,714,500.50	206,129,863.22	#########	
58,726,152	124,042,635	182,768,787	209,486,498.72	208,012,759.73	#########	
43,435,122	89,839,313	133,274,435	160,185,823.66	158,828,925.12	#########	
31,824,379	90,533,171	122,357,550	149,222,557.44	147,988,370.79	#########	
32,764,698	89,780,002	122,544,700	149,410,071.44	148,304,496.96	#########	
29,699,582	81,749,018	111,448,600	138,313,607.44	137,342,586.18	971,021.26	
30,832,732	81,333,018	112,165,750	139,030,757.44	138,200,430.44	830,327.00	
25,489,633	62,189,517	87,679,150	114,544,157.44	113,859,777.89	684,379.55	
25,517,728	62,223,672	87,741,400	114,243,248.07	113,711,056.43	532,191.64	
24,451,211	63,294,276	87,745,488	111,483,105.43	111,111,465.85	371,639.58	
24,474,520	63,334,680	87,809,200	108,658,550.20	108,453,827.19	204,723.01	
19,859,823	52,571,377	72,431,200	93,280,550.20	93,251,089.70	29,460.50	
22,503,415	63,558,535	86,061,950	102,327,751.60	102,327,751.60	-	
26,600,826	59,531,987	86,132,813	101,750,371.26	101,750,371.26	-	
26,598,590	59,528,641	86,127,231	101,744,790.01	101,744,790.01	-	
26,594,907	59,524,861	86,119,769	101,737,327.51	101,737,327.51	-	
16,002,418	41,612,057	57,614,475	71,537,800.95	71,537,800.95	-	
15,994,759	41,597,779	57,592,538	71,383,537.50	71,383,537.50	-	
15,990,798	41,591,908	57,582,706	71,373,706.25			
15,981,940	41,579,104	57,561,044	71,352,043.75			
6,321,914	25,414,461	31,736,375				
6,321,964	25,414,661	31,736,625				
6,321,964	25,414,661	31,736,625				
6,322,289	25,415,961	31,738,250				
9,391,479	38,187,146	47,578,625				
5,652,496	23,520,579	29,173,075				
5,651,344	23,515,787	29,167,131				
2,086,306	8,681,319	10,767,625				
-	-	-				
-	-	-				

Existing Debt Service

Parity PENNVEST Debt Service

DS - 2a

	Series 1999			Series 2009B			Series 2009C			Series 2009D		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	100.00%	0.00%		100.00%	0.00%		100.00%	0.00%		0.00%	100.00%	
Fiscal Year	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
2014	$ 90,665	$ -	$ 90,665	$ 2,411,341	$ -	$ 2,411,341	$ 3,220,002	$ -	$ 3,220,002	$ -	$ 4,911,276	$ 4,911,276
2015	90,665	-	90,665	2,411,341	-	2,411,341	3,220,002	-	3,220,002	-	4,911,276	4,911,276
2016	90,665	-	90,665	2,411,341	-	2,411,341	3,220,002	-	3,220,002	-	4,911,276	4,911,276
2017	90,665	-	90,665	2,411,341	-	2,411,341	3,220,002	-	3,220,002	-	4,911,276	4,911,276
2018	90,665	-	90,665	2,534,763	-	2,534,763	3,439,753	-	3,439,753	-	5,151,663	5,151,663
2019	75,554	-	75,554	2,575,904	-	2,575,904	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2020	-	-		2,575,904	-	2,575,904	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2021	-	-		2,575,904	-	2,575,904	3,440,117	-	3,440,117	-	5,231,791	5,231,791
2022	-	-		2,575,904	-	2,575,904	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2023	-	-		2,575,904	-	2,575,904	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2024	-	-		2,575,904	-	2,575,904	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2025	-	-		2,212,745	-	2,212,745	3,439,753	-	3,439,753	-	5,231,791	5,231,791
2026	-	-		-	-		2,888,268	-	2,888,268	-	5,231,791	5,231,791
2027	-	-		-	-		-	-		-	5,231,791	5,231,791
2028	-	-		-	-		-	-		-	5,231,791	5,231,791
2029	-	-		-	-		-	-		-	648,243	648,243
2030	-	-		-	-		-	-		-	-	
2031	-	-		-	-		-	-		-	-	
2032	-	-		-	-		-	-		-	-	
2033	-	-		-	-		-	-		-	-	
2034	-	-		-	-		-	-		-	-	
2035	-	-		-	-		0	-	0	-	0	0
2036	-	-		-	-		-	-		-	-	
2037	-	-		-	-		-	-		-	-	
2038	-	-		-	-		-	-		-	-	
2039	-	-		-	-		-	-		-	-	
2040	-	-		-	-		-	-		-	-	
2041	-	-		-	-		-	-		-	-	
2042	-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-	
Total Existing Debt	**$ 528,879**	**$ -**	**$ 528,879**	**$ 29,848,294**	**$ -**	**$ 29,848,294**	**$ 43,286,668**	**$ -**	**$ 43,286,668**	**$ -**	**$ 77,762,925**	**$ 77,762,925**

DS - 2b

	Series 2010B			Series xxxx			Series xxxx		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	0.00%	100.00%		49.67%	50.33%		32.00%	68.00%	
Fiscal Year	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
2014	$ -	$ 1,161,335	$ 1,161,335	$ -	$ -	$ -	$ -	$ -	$ -
2015	-	1,709,868	1,709,868	-	-		-	-	
2016	-	1,709,868	1,709,868	-	-		-	-	
2017	-	1,709,868	1,709,868	-	-		-	-	
2018	-	1,709,868	1,709,868	-	-		-	-	
2019	-	1,797,386	1,797,386	-	-		-	-	
2020	-	1,826,559	1,826,559	-	-		-	-	
2021	-	1,826,559	1,826,559	-	-		-	-	
2022	-	1,826,559	1,826,559	-	-		-	-	
2023	-	1,826,559	1,826,559	-	-		-	-	
2024	-	1,826,559	1,826,559	-	-		-	-	
2025	-	1,826,559	1,826,559	-	-		-	-	
2026	-	1,826,559	1,826,559	-	-		-	-	
2027	-	1,826,559	1,826,559	-	-		-	-	
2028	-	1,826,559	1,826,559	-	-		-	-	
2029	-	1,826,559	1,826,559	-	-		-	-	
2030	-	1,826,559	1,826,559	-	-		-	-	
2031	-	1,826,559	1,826,559	-	-		-	-	
2032	-	1,826,559	1,826,559	-	-		-	-	
2033	-	132,326	132,326	-	-		-	-	
2034	-	-		-	-		-	-	
2035	-	-		-	-		-	-	
2036	-	-		-	-		-	-	
2037	-	0	0	-	-		-	-	
2038	-	-		-	-		-	-	
2039	-	-		-	-		-	-	
2040	-	-		-	-		-	-	
2041	-	-		-	-		-	-	
2042	-	-		-	-		-	-	
2043	-	-		-	-		-	-	
2044	-	-		-	-		-	-	
2045	-	-		-	-		-	-	
2046	-	-		-	-		-	-	
Total Existing Debt	**$ -**	**$ 33,675,782**	**$ 33,675,782**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Existing Debt Service

Parity PENNVEST Debt Service

	DS - 2c												DS - 2d								
	Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	32.00%	68.00%		37.00%	63.00%		46.00%	54.00%		20.00%	80.00%		20.00%	80.00%		20.00%	80.00%		20.00%	80.00%	
Fiscal Year	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
2014	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
2015	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2016	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2017	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2018	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2019	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2020	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2021	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2022	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2023	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2024	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2025	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2026	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2027	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2028	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2029	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2030	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2031	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2032	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2033	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2034	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2035	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2036	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2037	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2038	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2039	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2040	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2041	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2042	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
Total Existing Debt	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Existing Debt Service

Parity PENNVEST Debt Service

DS - 2e

	Series xxxx		
	Water	Wastewater	Total P&I
Allocation	20.00%	80.00%	
Fiscal Year	Water	Wastewater	Total P&I
2014	$ -	$ -	
2015	-	-	
2016	-	-	
2017	-	-	
2018	-	-	
2019	-	-	
2020	-	-	
2021	-	-	
2022	-	-	
2023	-	-	
2024	-	-	
2025	-	-	
2026	-	-	
2027	-	-	
2028	-	-	
2029	-	-	
2030	-	-	
2031	-	-	
2032	-	-	
2033	-	-	
2034	-	-	
2035	-	-	
2036	-	-	
2037	-	-	
2038	-	-	
2039	-	-	
2040	-	-	
2041	-	-	
2042	-	-	
2043	-	-	
2044	-	-	
2045	-	-	
2046	-	-	
Total Existing Debt	$ -	$ -	$ -

DS - 2f

	TOTAL PENNVEST REVENUE BONDS		
	Water	Wastewater	Total P&I
2014	$ 5,722,008	$ 6,072,611	$ 11,794,619
2015	5,722,008	6,621,144	12,343,152
2016	5,722,008	6,621,144	12,343,152
2017	5,722,008	6,621,144	12,343,152
2018	6,065,181	6,861,531	12,926,712
2019	6,091,211	7,029,177	13,120,389
2020	6,015,657	7,058,350	13,074,007
2021	6,016,021	7,058,350	13,074,371
2022	6,015,657	7,058,350	13,074,007
2023	6,015,657	7,058,350	13,074,007
2024	6,015,657	7,058,350	13,074,007
2025	5,652,498	7,058,350	12,710,848
2026	2,888,268	7,058,350	9,946,618
2027	-	7,058,350	7,058,350
2028	-	7,058,350	7,058,350
2029	-	2,474,802	2,474,802
2030	-	1,826,559	1,826,559
2031	-	1,826,559	1,826,559
2032	-	1,826,559	1,826,559
2033	-	132,326	132,326
2034	-	-	-
2035	0	0	0
2036	-	-	-
2037	-	0	0
2038	-	-	-
2039	-	-	-
2040	-	-	-
2041	-	-	-
2042	-	-	-
2043	-	-	-
2044	-	-	-
2045	-	-	-
2046	-	-	-

Existing Debt Service

G.O. Bond Debt Service

DS - 3a

G.O. Bonds	Series 2012 Refunding			Series 2012 Refunding			Series xxxx			Series xxxx			Series xxxx		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%	
Fiscal Year															
2014	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2015	-	-		-	-		-	-		-	-		-	-	
2016	-	-		-	-		-	-		-	-		-	-	
2017	-	-		-	-		-	-		-	-		-	-	
2018	-	-		-	-		-	-		-	-		-	-	
2019	-	-		-	-		-	-		-	-		-	-	
2020	-	-		-	-		-	-		-	-		-	-	
2021	-	-		-	-		-	-		-	-		-	-	
2022	-	-		-	-		-	-		-	-		-	-	
2023	-	-		-	-		-	-		-	-		-	-	
2024	-	-		-	-		-	-		-	-		-	-	
2025	-	-		-	-		-	-		-	-		-	-	
2026	-	-		-	-		-	-		-	-		-	-	
2027	-	-		-	-		-	-		-	-		-	-	
2028	-	-		-	-		-	-		-	-		-	-	
2029	-	-		-	-		-	-		-	-		-	-	
2030	-	-		-	-		-	-		-	-		-	-	
2031	-	-		-	-		-	-		-	-		-	-	
2032	-	-		-	-		-	-		-	-		-	-	
2033	-	-		-	-		-	-		-	-		-	-	
2034	-	-		-	-		-	-		-	-		-	-	
2035	-	-		-	-		-	-		-	-		-	-	
2036	-	-		-	-		-	-		-	-		-	-	
2037	-	-		-	-		-	-		-	-		-	-	
2038	-	-		-	-		-	-		-	-		-	-	
2039	-	-		-	-		-	-		-	-		-	-	
2040	-	-		-	-		-	-		-	-		-	-	
2041	-	-		-	-		-	-		-	-		-	-	
2042	-	-		-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-		-	-	
Total Existing Debt	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

DS - 3b

G.O. Bonds	Series xxxx			Series xxxx		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	50.68%	49.32%		50.68%	49.32%	
Fiscal Year						
2014	$ -	$ -	$ -	$ -	$ -	$ -
2015	-	-		-	-	
2016	-	-		-	-	
2017	-	-		-	-	
2018	-	-		-	-	
2019	-	-		-	-	
2020	-	-		-	-	
2021	-	-		-	-	
2022	-	-		-	-	
2023	-	-		-	-	
2024	-	-		-	-	
2025	-	-		-	-	
2026	-	-		-	-	
2027	-	-		-	-	
2028	-	-		-	-	
2029	-	-		-	-	
2030	-	-		-	-	
2031	-	-		-	-	
2032	-	-		-	-	
2033	-	-		-	-	
2034	-	-		-	-	
2035	-	-		-	-	
2036	-	-		-	-	
2037	-	-		-	-	
2038	-	-		-	-	
2039	-	-		-	-	
2040	-	-		-	-	
2041	-	-		-	-	
2042	-	-		-	-	
2043	-	-		-	-	
2044	-	-		-	-	
2045	-	-		-	-	
2046	-	-		-	-	
Total Existing Debt	$ -	$ -	$ -	$ -	$ -	$ -

Proposed Debt Service

Proposed Revenue Bonds

DS - 4 DS - 4

Capital Financing Assumptions	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Future Revenue Bonds															
Issuance Amount	$ 308,638,000	$ -	$ 270,000,000	$ 275,000,000	$ 280,000,000	$ 270,000,000	$ 285,000,000	$ 300,000,000	$ 290,000,000	$ 310,000,000	$ 315,000,000	$ 330,000,000	$ 340,000,000	$ 340,000,000	$ 345,000,000
Annual Payment	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745
Debt Service Reserve Requirement	7,051,848	-	2,273,146	-	-	17,563,887	8,160,345	19,515,431	-	14,243,352	17,731,059	18,642,418	15,786,689	22,117,488	21,865,365
Term (yrs)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Interest Rate	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Costs	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%
Month of Sale (July=1)	7	12	7	7	7	7	7	7	7	7	7	7	7	7	7
Capitalized Interest term (yrs)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Only Period (years)	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Water Allocation	42.00%	0.00%	43.00%	41.09%	44.64%	38.89%	36.84%	38.33%	36.21%	35.48%	26.35%	28.79%	24.12%	17.94%	25.51%
Wastewater Allocation	58.00%	100.00%	57.00%	58.91%	55.36%	61.11%	63.16%	61.67%	63.79%	64.52%	73.65%	71.21%	75.88%	82.06%	74.49%

Future Revenue Bonds Schedules	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029	Total	Water	Wastewater
2015	$ -															$ -	$ -	$ -
2016	15,431,900	$ -														15,431,900	6,481,398	8,950,502
2017	15,431,900	-	$ -													15,431,900	6,481,398	8,950,502
2018	15,431,900	-	13,500,000	$ -												28,931,900	12,286,398	16,645,502
2019	21,077,463	-	17,832,289	17,889,145	$ -											56,798,897	23,871,231	32,927,666
2020	21,077,463	-	17,832,289	17,889,145	18,214,402	$ -										75,013,299	32,002,660	43,010,638
2021	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	$ -									92,577,186	38,833,061	53,744,125
2022	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	$ -								111,116,845	45,663,462	65,453,383
2023	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	$ -							130,632,276	53,144,377	77,487,899
2024	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	$ -						149,497,192	59,974,777	89,522,414
2025	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	$ -					169,663,137	67,130,435	102,532,701
2026	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	$ -				190,154,339	72,529,704	117,624,634
2027	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	$ -			211,621,312	78,709,591	132,911,722
2028	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	$ -		233,738,800	84,043,808	149,694,992
2029	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	$ -	255,856,288	88,011,946	167,844,342
2030	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2031	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2032	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2033	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2034	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2035	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2036	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2037	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2038	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2039	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561
2040	21,077,463	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	278,299,033	93,736,472	184,562,561

Existing Debt Service

G.O. Bond Debt Service

	DS - 3c												DS - 3d								
G.O. Bonds	Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx			Series xxxx		
	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I	Water	Wastewater	Total P&I
Allocation	50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%		50.68%	49.32%	
Fiscal Year																					
2014	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2015	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2016	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2017	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2018	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2019	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2020	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2021	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2022	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2023	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2024	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2025	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2026	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2027	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2028	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2029	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2030	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2031	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2032	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2033	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2034	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2035	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2036	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2037	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2038	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2039	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2040	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2041	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2042	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2043	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2044	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2045	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
2046	-	-		-	-		-	-		-	-		-	-		-	-		-	-	
Total Existing Debt	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Proposed Debt Service

Proposed Revenue Bonds

Capital Financing Assumptions
Future Revenue Bonds
Issuance Amount
Annual Payment
Debt Service Reserve Requirement

Term (yrs)
Interest Rate
Issuance Costs
Month of Sale (July=1)
Capitalized Interest term (yrs)
Interest Only Period (years)
Water Allocation
Wastewater Allocation

Future Revenue Bonds Schedules

2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040

Existing Debt Service

G.O. Bond Debt Service

DS - 3e

G.O. Bonds	Series xxxx		
	Water	Wastewater	Total P&I
Allocation	50.68%	49.32%	
Fiscal Year			
2014	$ -	$ -	$ -
2015	-	-	
2016	-	-	
2017	-	-	
2018	-	-	
2019	-	-	
2020	-	-	
2021	-	-	
2022	-	-	
2023	-	-	
2024	-	-	
2025	-	-	
2026	-	-	
2027	-	-	
2028	-	-	
2029	-	-	
2030	-	-	
2031	-	-	
2032	-	-	
2033	-	-	
2034	-	-	
2035	-	-	
2036	-	-	
2037	-	-	
2038	-	-	
2039	-	-	
2040	-	-	
2041	-	-	
2042	-	-	
2043	-	-	
2044	-	-	
2045	-	-	
2046	-	-	
Total Existing Debt	$ -	$ -	$ -

DS - 3f

TOTAL G.O. BONDS		
Water	Wastewater	Total P&I
$ -	$ -	$ -
-	-	-
-	-	-
-	-

Existing Debt Service

INPUT	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029	Total	Water	Wastewater
2015	-															$ -	$ -	$ -
2016	9,768,625															9,768,625	4,102,823	5,665,803
2017	13,791,000	-														13,791,000	5,792,220	7,998,780
2018	13,791,000	-		-												13,791,000	5,792,220	7,998,780
2019	13,791,000	-														13,791,000	5,792,220	7,998,780
2020	13,791,000	-				-										13,791,000	5,792,220	7,998,780
2021	13,791,000	-				-	-									13,791,000	5,792,220	7,998,780
2022	13,791,000	-				-	-	-								13,791,000	5,792,220	7,998,780
2023	13,791,000	-				-	-	-	-							13,791,000	5,792,220	7,998,780
2024	13,791,000	-				-	-	-	-	-						13,791,000	5,792,220	7,998,780
2025	13,791,000	-				-	-	-	-	-	-					13,791,000	5,792,220	7,998,780
2026	13,791,000	-				-	-	-	-	-	-	-				13,791,000	5,792,220	7,998,780
2027	13,791,000	-				-	-	-	-	-	-	-	-			13,791,000	5,792,220	7,998,780
2028	13,791,000	-				-	-	-	-	-	-	-	-	-		13,791,000	5,792,220	7,998,780
2029	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2030	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2031	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2032	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2033	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2034	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2035	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2036	13,791,000	-				-	-	-	-	-	-	-	-	-	-	13,791,000	5,792,220	7,998,780
2037	35,046,000	-				-	-	-	-	-	-	-	-	-	-	35,046,000	14,719,320	20,326,680
2038	35,043,125	-				-	-	-	-	-	-	-	-	-	-	35,043,125	14,718,113	20,325,013
2039	35,043,000	-				-	-	-	-	-	-	-	-	-	-	35,043,000	14,718,060	20,324,940
2040	35,047,500	-				-	-	-	-	-	-	-	-	-	-	35,047,500	14,719,950	20,327,550
2041	35,043,625	-				-	-	-	-	-	-	-	-	-	-	35,043,625	14,718,323	20,325,303
2042	35,043,250	-				-	-	-	-	-	-	-	-	-	-	35,043,250	14,718,165	20,325,085
2043	35,042,875	-				-	-	-	-	-	-	-	-	-	-	35,042,875	14,718,008	20,324,868
2044	35,043,875	-				-	-	-	-	-	-	-	-	-	-	35,043,875	14,718,428	20,325,448
2045	35,042,500	-				-	-	-	-	-	-	-	-	-	-	35,042,500	14,717,850	20,324,650
2046	35,044,750	-				-	-	-	-	-	-	-	-	-	-	35,044,750	14,718,795	20,325,955
2047	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-
2048	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-
Total Proposed Revenue Bonds	**$636,029,125**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**			

Existing Debt Service

INPUT

	2015
	2016
	2017
	2018
	2019
	2020
	2021
	2022
	2023
	2024
	2025
	2026
	2027
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	2043
	2044
	2045
	2046
	2047
	2048
Total Proposed Revenue Bonds	

Existing Debt Service

INPUT

	2015
	2016
	2017
	2018
	2019
	2020
	2021
	2022
	2023
	2024
	2025
	2026
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	2047
	2048
Total Proposed Revenue Bonds	

Existing Debt Service

USE	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029	Total	Water	Wastewater
2015	$ -															$ -	$ -	$ -
2016	9,768,625	$ -														9,768,625	4,102,823	5,665,803
2017	13,791,000	-	$ -													13,791,000	5,792,220	7,998,780
2018	13,791,000	-	13,500,000	$ -												27,291,000	11,597,220	15,693,780
2019	13,791,000	-	17,832,289	17,889,145	$ -											49,512,434	20,810,916	28,701,517
2020	13,791,000	-	17,832,289	17,889,145	18,214,402	$ -										67,726,835	28,942,346	38,784,490
2021	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	$ -									85,290,723	35,772,747	49,517,976
2022	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	$ -								103,830,382	42,603,147	61,227,235
2023	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	$ -							123,345,812	50,084,062	73,261,750
2024	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	$ -						142,210,729	56,914,463	85,296,266
2025	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	$ -					162,376,674	64,070,121	98,306,553
2026	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	$ -				182,867,876	69,469,390	113,398,486
2027	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	$ -			204,334,849	75,649,276	128,685,573
2028	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	$ -		226,452,337	80,983,494	145,468,843
2029	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	$ -	248,569,825	84,951,631	163,618,194
2030	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2031	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2032	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2033	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2034	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2035	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2036	13,791,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	271,012,570	90,676,158	180,336,412
2037	35,046,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,267,570	99,603,258	192,664,312
2038	35,043,125	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,264,695	99,602,050	192,662,645
2039	35,043,000	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,264,570	99,601,998	192,662,572
2040	35,047,500	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,269,070	99,603,888	192,665,182
2041	35,043,625	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,265,195	99,602,260	192,662,935
2042	35,043,250	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,264,820	99,602,103	192,662,717
2043	35,042,875	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,264,445	99,601,945	192,662,500
2044	35,043,875	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,265,445	99,602,365	192,663,080
2045	35,042,500	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,264,070	99,601,788	192,662,282
2046	35,044,750	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	292,266,320	99,602,733	192,663,587
2047	-	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	257,221,570	84,883,938	172,337,632
2048	-	-	17,832,289	17,889,145	18,214,402	17,563,887	18,539,659	19,515,431	18,864,916	20,165,945	20,491,202	21,466,974	22,117,488	22,117,488	22,442,745	257,221,570	84,883,938	172,337,632
Total Proposed Revenue Bonds	**$636,029,125**	**$ -**	**$548,468,670**	**$536,674,339**	**$528,217,653**	**$491,788,849**	**$500,570,793**	**$507,401,194**	**$471,622,904**	**$483,982,677**	**$471,297,647**	**$472,273,419**	**$464,467,246**	**$442,349,759**	**$426,412,157**		max	

Existing Debt Service

USE

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Total Proposed Revenue Bonds	

Existing Debt Service

USE

	2015
	2016
	2017
	2018
	2019
	2020
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Total Proposed Revenue Bonds	

Existing Debt Service

Future State Revolving Fund

DS - 5 DS - 5

Issuance Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Payment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term (yrs)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Interest Rate	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Issuance Costs	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Water Allocation	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Wastewater Allocation	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%

Future State Revolving Fund Schedules

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Proposed SRF Loans	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

Existing Debt Service

Future State Revolving Fund

Issuance Amount
Annual Payment

Term (yrs)
Interest Rate
Issuance Costs
Water Allocation
Wastewater Allocation

Future State Revolving Fund Schedules

2015
2016
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Total Proposed SRF Loans

Existing Debt Service

Future State Revolving Fund

Issuance Amount
Annual Payment

Term (yrs)
Interest Rate
Issuance Costs
Water Allocation
Wastewater Allocation

Future State Revolving Fund Schedules

2015
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Total Proposed SRF Loans

Existing Debt Service

Future G.O. Bonds

DS - 6 DS - 6

Issuance Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Payment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term (yrs)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Rate	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Issuance Costs	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Water Allocation	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Wastewater Allocation	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%

Future G.O. Bonds Schedules	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029	Total
2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Proposed G.O. Bonds	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	

Existing Debt Service

Future G.O. Bonds

Issuance Amount
Annual Payment

Term (yrs)
Interest Rate
Issuance Costs
Water Allocation
Wastewater Allocation

Future G.O. Bonds Schedules

2015
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Total Proposed G.O. Bonds

Existing Debt Service

Future G.O. Bonds

Issuance Amount
Annual Payment

Term (yrs)
Interest Rate
Issuance Costs
Water Allocation
Wastewater Allocation

Future G.O. Bonds Schedules

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Total Proposed G.O. Bonds

Existing Debt Service
Existing & Proposed Debt Service

PWD Debt Service DS - 7

Debt Service Summary

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Existing Debt Service															
Revenue Bonds	$ 192,927,209	$ 198,601,576	$ 181,580,348	$ 182,768,787	$ 133,274,435	$ 122,357,550	$ 122,544,700	$ 111,448,600	$ 112,165,750	$ 87,679,150	$ 87,741,400	$ 87,745,488	$ 87,809,200	$ 72,431,200	$ 86,061,950
Parity PENNVEST	12,343,152	12,343,152	12,343,152	12,926,712	13,120,389	13,074,007	13,074,371	13,074,007	13,074,007	13,074,007	12,710,848	9,946,618	7,058,350	7,058,350	2,474,802
Subtotal Senior Debt	$ 205,270,361	$ 210,944,728	$ 193,923,501	$ 195,695,499	$ 146,394,824	$ 135,431,557	$ 135,619,071	$ 124,522,607	$ 125,239,757	$ 100,753,157	$ 100,452,248	$ 97,692,105	$ 94,867,550	$ 79,489,550	$ 88,536,752
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Existing Debt Service	$ 205,270,361	$ 210,944,728	$ 193,923,501	$ 195,695,499	$ 146,394,824	$ 135,431,557	$ 135,619,071	$ 124,522,607	$ 125,239,757	$ 100,753,157	$ 100,452,248	$ 97,692,105	$ 94,867,550	$ 79,489,550	$ 88,536,752
Proposed Debt Service															
Revenue Bonds	$ -	$ 9,768,625	$ 13,791,000	$ 27,291,000	$ 49,512,434	$ 67,726,835	$ 85,290,723	$ 103,830,382	$ 123,345,812	$ 142,210,729	$ 162,376,674	$ 182,867,876	$ 204,334,849	$ 226,452,337	$ 248,569,825
Parity PENNVEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Senior Debt	$ -	$ 9,768,625	$ 13,791,000	$ 27,291,000	$ 49,512,434	$ 67,726,835	$ 85,290,723	$ 103,830,382	$ 123,345,812	$ 142,210,729	$ 162,376,674	$ 182,867,876	$ 204,334,849	$ 226,452,337	$ 248,569,825
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service	$ -	$ 9,768,625	$ 13,791,000	$ 27,291,000	$ 49,512,434	$ 67,726,835	$ 85,290,723	$ 103,830,382	$ 123,345,812	$ 142,210,729	$ 162,376,674	$ 182,867,876	$ 204,334,849	$ 226,452,337	$ 248,569,825
Total Debt Service	$ 205,270,361	$ 220,713,353	$ 207,714,501	$ 222,986,499	$ 195,907,257	$ 203,158,393	$ 220,909,794	$ 228,352,989	$ 248,585,570	$ 242,963,886	$ 262,828,922	$ 280,559,981	$ 299,202,399	$ 305,941,887	$ 337,106,577

Existing Debt Service
Existing & Proposed Debt Service
PWD Debt Service
Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service
Existing & Proposed Debt Service
PWD Debt Service
Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029
2015	$ 205,270,361	$ 205,270,361														
2016	210,944,728	220,713,353	220,713,353													
2017	193,923,501	207,714,501	207,714,501	207,714,501												
2018	195,695,499	209,486,499	209,486,499	222,986,499	222,986,499											
2019	146,394,824	160,185,824	160,185,824	178,018,113	195,907,257	195,907,257										
2020	135,431,557	149,222,557	149,222,557	167,054,846	184,943,991	203,158,393	203,158,393									
2021	135,619,071	149,410,071	149,410,071	167,242,360	185,131,505	203,345,907	220,909,794	220,909,794								
2022	124,522,607	138,313,607	138,313,607	156,145,896	174,035,041	192,249,443	209,813,330	228,352,989	228,352,989							
2023	125,239,757	139,030,757	139,030,757	156,863,046	174,752,191	192,966,593	210,530,480	229,070,139	248,585,570	248,585,570						
2024	100,753,157	114,544,157	114,544,157	132,376,446	150,265,591	168,479,993	186,043,880	204,583,539	224,098,970	242,963,886	242,963,886					
2025	100,452,248	114,243,248	114,243,248	132,075,537	149,964,682	168,179,084	185,742,971	204,282,630	223,798,061	242,662,977	262,828,922	262,828,922				
2026	97,692,105	111,483,105	111,483,105	129,315,394	147,204,539	165,418,941	182,982,828	201,522,487	221,037,918	239,902,834	260,068,779	280,559,981	280,559,981			
2027	94,867,550	108,658,550	108,658,550	126,490,839	144,379,984	162,594,386	180,158,273	198,697,932	218,213,363	237,078,279	257,244,224	277,735,426	299,202,399	299,202,399		
2028	79,489,550	93,280,550	93,280,550	111,112,839	129,001,984	147,216,386	164,780,273	183,319,932	202,835,363	221,700,279	241,866,224	262,357,426	283,824,399	305,941,887	305,941,887	
2029	88,536,752	102,327,752	102,327,752	120,160,041	138,049,185	156,263,587	173,827,475	192,367,134	211,882,564	230,747,480	250,913,425	271,404,627	292,871,601	314,989,089	337,106,577	337,106,577
2030	87,959,371	101,750,371	101,750,371	119,582,660	137,471,805	155,686,207	173,250,094	191,789,753	211,305,184	230,170,100	250,336,045	270,827,247	292,294,220	314,411,708	336,529,196	358,971,941
2031	87,953,790	101,744,790	101,744,790	119,577,079	137,466,224	155,680,625	173,244,513	191,784,172	211,299,602	230,164,519	250,330,464	270,821,666	292,288,639	314,406,127	336,523,615	358,966,360
2032	87,946,328	101,737,328	101,737,328	119,569,617	137,458,761	155,673,163	173,237,050	191,776,709	211,292,140	230,157,056	250,323,001	270,814,203	292,281,177	314,398,665	336,516,153	358,958,898
2033	57,746,801	71,537,801	71,537,801	89,370,090	107,259,235	125,473,636	143,037,524	161,577,183	181,092,613	199,957,530	220,123,474	240,614,677	262,081,650	284,199,138	306,316,626	328,759,371
2034	57,592,538	71,383,538	71,383,538	89,215,827	107,104,971	125,319,373	142,883,260	161,422,919	180,938,350	199,803,266	219,969,211	240,460,413	261,927,387	284,044,875	306,162,363	328,605,108
2035	57,582,706	71,373,706	71,373,706	89,205,995	107,095,140	125,309,542	142,873,429	161,413,088	180,928,519	199,793,435	219,959,380	240,450,582	261,917,555	284,035,043	306,152,531	328,595,276
2036	57,561,044	71,352,044	71,352,044	89,184,333	107,073,477	125,287,879	142,851,767	161,391,426	180,906,856	199,771,772	219,937,717	240,428,919	261,895,893	284,013,381	306,130,869	328,573,614
2037	31,736,375	66,782,375	66,782,375	84,614,664	102,503,809	120,718,210	138,282,098	156,821,757	176,337,187	195,202,104	215,368,049	235,859,251	257,326,224	279,443,712	301,561,200	324,003,945
2038	31,736,625	66,779,750	66,779,750	84,612,039	102,501,184	120,715,585	138,279,473	156,819,132	176,334,562	195,199,479	215,365,424	235,856,626	257,323,599	279,441,087	301,558,575	324,001,320
2039	31,736,625	66,779,625	66,779,625	84,611,914	102,501,059	120,715,460	138,279,348	156,819,007	176,334,437	195,199,354	215,365,299	235,856,501	257,323,474	279,440,962	301,558,450	324,001,195
2040	31,738,250	66,785,750	66,785,750	84,618,039	102,507,184	120,721,585	138,285,473	156,825,132	176,340,562	195,205,479	215,371,424	235,862,626	257,329,599	279,447,087	301,564,575	324,007,320
2041	47,578,625	82,622,250	82,622,250	100,454,539	118,343,684	136,558,085	154,121,973	172,661,632	192,177,062	211,041,979	231,207,924	251,699,126	273,166,099	295,283,587	317,401,075	339,843,820
2042	29,173,075	64,216,325	64,216,325	82,048,614	99,937,759	118,152,160	135,716,048	154,255,707	173,771,137	192,636,054	212,801,999	233,293,201	254,760,174	276,877,662	298,995,150	321,437,895
2043	29,167,131	64,210,006	64,210,006	82,042,295	99,931,440	118,145,842	135,709,729	154,249,388	173,764,819	192,629,735	212,795,680	233,286,882	254,753,855	276,871,343	298,988,831	321,431,576
2044	10,767,625	45,811,500	45,811,500	63,643,789	81,532,934	99,747,335	117,311,223	135,850,882	155,366,312	174,231,229	194,397,174	214,888,376	236,355,349	258,472,837	280,590,325	303,033,070
2045	-	35,042,500	35,042,500	52,874,789	70,763,934	88,978,335	106,542,223	125,081,882	144,597,312	163,462,229	183,628,174	204,119,376	225,586,349	247,703,837	269,821,325	292,264,070
2046	-	35,044,750	35,044,750	52,877,039	70,766,184	88,980,585	106,544,473	125,084,132	144,599,562	163,464,479	183,630,424	204,121,626	225,588,599	247,706,087	269,823,575	292,266,320
Max	$ 210,944,728	$ 220,713,353	$ 220,713,353	$ 222,986,499	$ 222,986,499	$ 203,345,907	$ 220,909,794	$ 229,070,139	$ 248,585,570	$ 248,585,570	$ 262,828,922	$ 280,559,981	$ 299,202,399	$ 314,989,089	$ 337,106,577	$ 358,971,941
Required DSR Deposit		$ 7,051,848	$ -	$ 2,273,146	$ -	$ -	$ 17,563,887	$ 8,160,345	$ 19,515,431	$ -	$ 14,243,352	$ 17,731,059	$ 18,642,418	$ 15,786,689	$ 22,117,488	$ 21,865,365
						$ (19,640,592)		$ 8,160,345								

Existing Debt Service

Cumulative Revenue Bond Debt Service

		Existing Debt
2015	$	205,270,361
2016		210,944,728
2017		193,923,501
2018		195,695,499
2019		146,394,824
2020		135,431,557
2021		135,619,071
2022		124,522,607
2023		125,239,757
2024		100,753,157
2025		100,452,248
2026		97,692,105
2027		94,867,550
2028		79,489,550
2029		88,536,752
2030		87,959,371
2031		87,953,790
2032		87,946,328
2033		57,746,801
2034		57,592,538
2035		57,582,706
2036		57,561,044
2037		31,736,375
2038		31,736,625
2039		31,736,625
2040		31,738,250
2041		47,578,625
2042		29,173,075
2043		29,167,131
2044		10,767,625
2045		-
2046		-

Max	$	210,944,728
Required DSR Deposit		

Existing Debt Service

Cumulative Revenue Bond Debt Service

		Existing Debt
2015	$	205,270,361
2016		210,944,728
2017		193,923,501
2018		195,695,499
2019		146,394,824
2020		135,431,557
2021		135,619,071
2022		124,522,607
2023		125,239,757
2024		100,753,157
2025		100,452,248
2026		97,692,105
2027		94,867,550
2028		79,489,550
2029		88,536,752
2030		87,959,371
2031		87,953,790
2032		87,946,328
2033		57,746,801
2034		57,592,538
2035		57,582,706
2036		57,561,044
2037		31,736,375
2038		31,736,625
2039		31,736,625
2040		31,738,250
2041		47,578,625
2042		29,173,075
2043		29,167,131
2044		10,767,625
2045		-
2046		-

Max	$	210,944,728
Required DSR Deposit		

Existing Debt Service

Water System Debt Service

DS - 8

DS - 8

Debt Service Summary

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Existing Debt Service															
Revenue Bonds	$ 75,344,814	$ 80,287,106	$ 58,467,125	$ 58,726,152	$ 43,435,122	$ 31,824,379	$ 32,764,698	$ 29,699,582	$ 30,832,732	$ 25,489,633	$ 25,517,728	$ 24,451,211	$ 24,474,520	$ 19,859,823	$ 22,503,415
Parity PENNVEST	5,722,008	5,722,008	5,722,008	6,065,181	6,091,211	6,015,657	6,016,021	6,015,657	6,015,657	6,015,657	5,652,498	2,888,268	-	-	-
Subtotal Senior Debt	$ 81,066,822	$ 86,009,114	$ 64,189,133	$ 64,791,333	$ 49,526,333	$ 37,840,036	$ 38,780,719	$ 35,715,240	$ 36,848,389	$ 31,505,290	$ 31,170,226	$ 27,339,479	$ 24,474,520	$ 19,859,823	$ 22,503,415
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Existing Debt Service	$ 81,066,822	$ 86,009,114	$ 64,189,133	$ 64,791,333	$ 49,526,333	$ 37,840,036	$ 38,780,719	$ 35,715,240	$ 36,848,389	$ 31,505,290	$ 31,170,226	$ 27,339,479	$ 24,474,520	$ 19,859,823	$ 22,503,415
Proposed Debt Service															
Revenue Bonds	$ -	$ 4,102,823	$ 5,792,220	$ 11,597,220	$ 20,810,916	$ 28,942,346	$ 35,772,747	$ 42,603,147	$ 50,084,062	$ 56,914,463	$ 64,070,121	$ 69,469,390	$ 75,649,276	$ 80,983,494	$ 84,951,631
Parity PENNVEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Senior Debt	$ -	$ 4,102,823	$ 5,792,220	$ 11,597,220	$ 20,810,916	$ 28,942,346	$ 35,772,747	$ 42,603,147	$ 50,084,062	$ 56,914,463	$ 64,070,121	$ 69,469,390	$ 75,649,276	$ 80,983,494	$ 84,951,631
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service	$ -	$ 4,102,823	$ 5,792,220	$ 11,597,220	$ 20,810,916	$ 28,942,346	$ 35,772,747	$ 42,603,147	$ 50,084,062	$ 56,914,463	$ 64,070,121	$ 69,469,390	$ 75,649,276	$ 80,983,494	$ 84,951,631
Total Debt Service	$ 81,066,822	$ 90,111,937	$ 69,981,353	$ 76,388,553	$ 70,337,250	$ 66,782,382	$ 74,553,465	$ 78,318,387	$ 86,932,451	$ 88,419,753	$ 95,240,346	$ 96,808,869	$ 100,123,796	$ 100,843,316	$ 107,455,046

Existing Debt Service

Water System Debt Service

Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service

Water System Debt Service

Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029
2015	81,066,822	81,066,822														
2016	86,009,114	92,490,512	92,490,512													
2017	64,189,133	70,670,531	70,670,531	70,670,531												
2018	64,791,333	71,272,731	71,272,731	77,077,731	77,077,731											
2019	49,526,333	58,378,868	58,378,868	66,046,752	73,397,564	73,397,564										
2020	37,840,036	46,692,571	46,692,571	54,360,455	61,711,267	69,842,697	69,842,697									
2021	38,780,719	47,633,253	47,633,253	55,301,138	62,651,950	70,783,379	77,613,780	77,613,780								
2022	35,715,240	44,567,774	44,567,774	52,235,658	59,586,471	67,717,900	74,548,301	81,378,701	81,378,701							
2023	36,848,389	45,700,924	45,700,924	53,368,808	60,719,620	68,851,050	75,681,450	82,511,851	89,992,766	89,992,766						
2024	31,505,290	40,357,825	40,357,825	48,025,709	55,376,521	63,507,951	70,338,351	77,168,752	84,649,667	91,480,068	91,480,068					
2025	31,170,226	40,022,760	40,022,760	47,690,644	55,041,457	63,172,886	70,003,287	76,833,687	84,314,602	91,145,003	98,300,661	98,300,661				
2026	27,339,479	36,192,013	36,192,013	43,859,898	51,210,710	59,342,139	66,172,540	73,002,941	80,483,856	87,314,256	94,469,914	99,869,183	99,869,183			
2027	24,474,520	33,327,054	33,327,054	40,994,939	48,345,751	56,477,180	63,307,581	70,137,982	77,618,897	84,449,297	91,604,955	97,004,224	103,184,111	103,184,111		
2028	19,859,823	28,712,357	28,712,357	36,380,241	43,731,053	51,862,483	58,692,884	65,523,284	73,004,199	79,834,600	86,990,258	92,389,527	98,569,413	103,903,631	103,903,631	
2029	22,503,415	31,355,949	31,355,949	39,023,834	46,374,646	54,506,075	61,336,476	68,166,877	75,647,792	82,478,192	89,633,850	95,033,119	101,213,006	106,547,223	110,515,361	110,515,361
2030	26,600,826	35,453,360	35,453,360	43,121,245	50,472,057	58,603,486	65,433,887	72,264,288	79,745,203	86,575,603	93,731,261	99,130,530	105,310,417	110,644,634	114,612,772	120,337,298
2031	26,598,590	35,451,124	35,451,124	43,119,009	50,469,821	58,601,250	65,431,651	72,262,052	79,742,967	86,573,367	93,729,025	99,128,294	105,308,181	110,642,398	114,610,536	120,335,062
2032	26,594,907	35,447,442	35,447,442	43,115,326	50,466,138	58,597,568	65,427,968	72,258,369	79,739,284	86,569,685	93,725,343	99,124,612	105,304,498	110,638,716	114,606,853	120,331,379
2033	16,002,418	24,854,953	24,854,953	32,522,837	39,873,649	48,005,079	54,835,479	61,665,880	69,146,795	75,977,196	83,132,854	88,532,123	94,712,009	100,046,227	104,014,364	109,738,890
2034	15,994,759	24,847,293	24,847,293	32,515,178	39,865,990	47,997,419	54,827,820	61,658,221	69,139,136	75,969,536	83,125,194	88,524,463	94,704,350	100,038,567	104,006,705	109,731,231
2035	15,990,798	24,843,333	24,843,333	32,511,217	39,862,029	47,993,459	54,823,859	61,654,260	69,135,175	75,965,576	83,121,234	88,520,503	94,700,389	100,034,607	104,002,744	109,727,271
2036	15,981,940	24,834,474	24,834,474	32,502,358	39,853,171	47,984,600	54,815,001	61,645,401	69,126,316	75,956,717	83,112,375	88,511,644	94,691,530	100,025,748	103,993,886	109,718,412
2037	6,321,914	15,174,448	15,174,448	22,842,333	30,193,145	38,324,574	45,154,975	51,985,376	59,466,291	66,296,691	73,452,349	78,851,618	85,031,505	90,365,722	94,333,860	100,058,386
2038	6,321,964	15,174,498	15,174,498	22,842,383	30,193,195	38,324,624	45,155,025	51,985,426	59,466,341	66,296,741	73,452,399	78,851,668	85,031,555	90,365,772	94,333,910	100,058,436
2039	6,321,964	15,174,498	15,174,498	22,842,383	30,193,195	38,324,624	45,155,025	51,985,426	59,466,341	66,296,741	73,452,399	78,851,668	85,031,555	90,365,772	94,333,910	100,058,436
2040	6,322,289	15,174,823	15,174,823	22,842,708	30,193,520	38,324,949	45,155,350	51,985,751	59,466,666	66,297,066	73,452,724	78,851,993	85,031,880	90,366,097	94,334,235	100,058,761
2041	9,391,479	18,244,014	18,244,014	25,911,898	33,262,710	41,394,140	48,224,540	55,054,941	62,535,856	69,366,257	76,521,914	81,921,184	88,101,070	93,435,288	97,403,425	103,127,951
2042	5,652,496	14,505,030	14,505,030	22,172,914	29,523,726	37,655,156	44,485,557	51,315,957	58,796,872	65,627,273	72,782,931	78,182,200	84,362,086	89,696,304	93,664,441	99,388,968
2043	5,651,344	14,503,878	14,503,878	22,171,763	29,522,575	37,654,004	44,484,405	51,314,806	58,795,721	65,626,121	72,781,779	78,181,048	84,360,935	89,695,152	93,663,290	99,387,816
2044	2,086,306	10,938,840	10,938,840	18,606,724	25,957,537	34,088,966	40,919,367	47,749,767	55,230,682	62,061,083	69,216,741	74,616,010	80,795,896	86,130,114	90,098,252	95,822,778
2045	-	8,852,534	8,852,534	16,520,419	23,871,231	32,002,660	38,833,061	45,663,462	53,144,377	59,974,777	67,130,435	72,529,704	78,709,591	84,043,808	88,011,946	93,736,472
2046	-	8,852,534	8,852,534	16,520,419	23,871,231	32,002,660	38,833,061	45,663,462	53,144,377	59,974,777	67,130,435	72,529,704	78,709,591	84,043,808	88,011,946	93,736,472
Max	$ 86,009,114	$ 92,490,512	$ 92,490,512	$ 77,077,731	$ 77,077,731	$ 73,397,564	$ 77,613,780	$ 82,511,851	$ 89,992,766	$ 91,480,068	$ 98,300,661	$ 99,869,183	$ 105,310,417	$ 110,644,634	$ 114,612,772	$ 120,337,298
Required DSR Deposit		$ 6,481,398	$ -	$ -	$ -	$ -	$ 4,216,216	$ 4,898,071	$ 7,480,915	$ 1,487,302	$ 6,820,593	$ 1,568,522	$ 5,441,233	$ 5,334,218	$ 3,968,138	$ 5,724,526

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt
2015	81,066,822
2016	86,009,114
2017	64,189,133
2018	64,791,333
2019	49,526,333
2020	37,840,036
2021	38,780,719
2022	35,715,240
2023	36,848,389
2024	31,505,290
2025	31,170,226
2026	27,339,479
2027	24,474,520
2028	19,859,823
2029	22,503,415
2030	26,600,826
2031	26,598,590
2032	26,594,907
2033	16,002,418
2034	15,994,759
2035	15,990,798
2036	15,981,940
2037	6,321,914
2038	6,321,964
2039	6,321,964
2040	6,322,289
2041	9,391,479
2042	5,652,496
2043	5,651,344
2044	2,086,306
2045	-
2046	-

Max	$	86,009,114
Required DSR Deposit		

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt
2015	81,066,822
2016	86,009,114
2017	64,189,133
2018	64,791,333
2019	49,526,333
2020	37,840,036
2021	38,780,719
2022	35,715,240
2023	36,848,389
2024	31,505,290
2025	31,170,226
2026	27,339,479
2027	24,474,520
2028	19,859,823
2029	22,503,415
2030	26,600,826
2031	26,598,590
2032	26,594,907
2033	16,002,418
2034	15,994,759
2035	15,990,798
2036	15,981,940
2037	6,321,914
2038	6,321,964
2039	6,321,964
2040	6,322,289
2041	9,391,479
2042	5,652,496
2043	5,651,344
2044	2,086,306
2045	-
2046	-

Max	$	86,009,114
Required DSR Deposit		

Existing Debt Service

Wastewater System Debt Service

DS - 9

DS - 9

Debt Service Summary

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Existing Debt Service															
Revenue Bonds	$ 117,582,395	$ 118,314,470	$ 123,113,224	$ 124,042,635	$ 89,839,313	$ 90,533,171	$ 89,780,002	$ 81,749,018	$ 81,333,018	$ 62,189,517	$ 62,223,672	$ 63,294,276	$ 63,334,680	$ 52,571,377	$ 63,558,535
Parity PENNVEST	6,621,144	6,621,144	6,621,144	6,861,531	7,029,177	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	2,474,802
Subtotal Senior Debt	$ 124,203,539	$ 124,935,614	$ 129,734,368	$ 130,904,166	$ 96,868,490	$ 97,591,521	$ 96,838,353	$ 88,807,368	$ 88,391,368	$ 69,247,867	$ 69,282,022	$ 70,352,626	$ 70,393,030	$ 59,629,728	$ 66,033,337
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Existing Debt Service	$ 124,203,539	$ 124,935,614	$ 129,734,368	$ 130,904,166	$ 96,868,490	$ 97,591,521	$ 96,838,353	$ 88,807,368	$ 88,391,368	$ 69,247,867	$ 69,282,022	$ 70,352,626	$ 70,393,030	$ 59,629,728	$ 66,033,337
Proposed Debt Service															
Revenue Bonds	$ -	$ 5,665,803	$ 7,998,780	$ 15,693,780	$ 28,701,517	$ 38,784,490	$ 49,517,976	$ 61,227,235	$ 73,261,750	$ 85,296,266	$ 98,306,553	$ 113,398,486	$ 128,685,573	$ 145,468,843	$ 163,618,194
Parity PENNVEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Senior Debt	$ -	$ 5,665,803	$ 7,998,780	$ 15,693,780	$ 28,701,517	$ 38,784,490	$ 49,517,976	$ 61,227,235	$ 73,261,750	$ 85,296,266	$ 98,306,553	$ 113,398,486	$ 128,685,573	$ 145,468,843	$ 163,618,194
G.O. Bonds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service	$ -	$ 5,665,803	$ 7,998,780	$ 15,693,780	$ 28,701,517	$ 38,784,490	$ 49,517,976	$ 61,227,235	$ 73,261,750	$ 85,296,266	$ 98,306,553	$ 113,398,486	$ 128,685,573	$ 145,468,843	$ 163,618,194
Total Debt Service	$ 124,203,539	$ 130,601,416	$ 137,733,148	$ 146,597,946	$ 125,570,008	$ 136,376,011	$ 146,356,329	$ 150,034,603	$ 161,653,118	$ 154,544,133	$ 167,588,575	$ 183,751,112	$ 199,078,603	$ 205,098,571	$ 229,651,530

Existing Debt Service

Wastewater System Debt Service

Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service

Wastewater System Debt Service

Debt Service Summary

Existing Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Existing Debt Service

Proposed Debt Service
Revenue Bonds
Parity PENNVEST

Subtotal Senior Debt

G.O. Bonds

Total Debt Service

Total Debt Service

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt	Series 2015	Series 2016	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021	Series 2022	Series 2023	Series 2024	Series 2025	Series 2026	Series 2027	Series 2028	Series 2029
2015	124,203,539	124,203,539														
2016	124,935,614	128,222,841	128,222,841													
2017	129,734,368	137,043,970	137,043,970	137,043,970												
2018	130,904,166	138,213,768	138,213,768	145,908,768	145,908,768											
2019	96,868,490	101,806,956	101,806,956	111,971,361	122,509,693	122,509,693										
2020	97,591,521	102,529,987	102,529,987	112,694,391	123,232,724	133,315,696	133,315,696									
2021	96,838,353	101,776,818	101,776,818	111,941,223	122,479,555	132,562,528	143,296,015	143,296,015								
2022	88,807,368	93,745,833	93,745,833	103,910,238	114,448,571	124,531,543	135,265,030	146,974,288	146,974,288							
2023	88,391,368	93,329,834	93,329,834	103,494,238	114,032,571	124,115,543	134,849,030	146,558,288	158,592,804	158,592,804						
2024	69,247,867	74,186,333	74,186,333	84,350,737	94,889,070	104,972,042	115,705,529	127,414,787	139,449,303	151,483,818	151,483,818					
2025	69,282,022	74,220,488	74,220,488	84,384,893	94,923,225	105,006,198	115,739,684	127,448,943	139,483,458	151,517,974	164,528,261	164,528,261				
2026	70,352,626	75,291,092	75,291,092	85,455,497	95,993,829	106,076,802	116,810,288	128,519,547	140,554,062	152,588,578	165,598,865	180,690,798	180,690,798			
2027	70,393,030	75,331,496	75,331,496	85,495,901	96,034,233	106,117,205	116,850,692	128,559,951	140,594,466	152,628,982	165,639,269	180,731,202	196,018,289	196,018,289		
2028	59,629,728	64,568,193	64,568,193	74,732,598	85,270,930	95,353,903	106,087,390	117,796,648	129,831,163	141,865,679	154,875,966	169,967,899	185,254,986	202,038,256	202,038,256	
2029	66,033,337	70,971,802	70,971,802	81,136,207	91,674,540	101,757,512	112,490,999	124,200,257	136,234,773	148,269,288	161,279,575	176,371,508	191,658,595	208,441,865	226,591,216	226,591,216
2030	61,358,545	66,297,011	66,297,011	76,461,416	86,999,748	97,082,720	107,816,207	119,525,466	131,559,981	143,594,497	156,604,784	171,696,717	186,983,804	203,767,074	221,916,424	238,634,643
2031	61,355,200	66,293,666	66,293,666	76,458,070	86,996,403	97,079,375	107,812,862	119,522,120	131,556,636	143,591,151	156,601,438	171,693,371	186,980,459	203,763,729	221,913,079	238,631,298
2032	61,351,420	66,289,886	66,289,886	76,454,290	86,992,623	97,075,595	107,809,082	119,518,341	131,552,856	143,587,371	156,597,659	171,689,591	186,976,679	203,759,949	221,909,299	238,627,518
2033	41,744,383	46,682,848	46,682,848	56,847,253	67,385,585	77,468,558	88,202,045	99,911,303	111,945,818	123,980,334	136,990,621	152,082,554	167,369,641	184,152,911	202,302,262	219,020,481
2034	41,597,779	46,536,244	46,536,244	56,700,649	67,238,981	77,321,954	88,055,441	99,764,699	111,799,214	123,833,730	136,844,017	151,935,950	167,223,037	184,006,307	202,155,658	218,873,877
2035	41,591,908	46,530,373	46,530,373	56,694,778	67,233,111	77,316,083	88,049,570	99,758,828	111,793,344	123,827,859	136,838,146	151,930,079	167,217,166	184,000,437	202,149,787	218,868,006
2036	41,579,104	46,517,570	46,517,570	56,681,974	67,220,307	77,303,279	88,036,766	99,746,024	111,780,540	123,815,055	136,825,342	151,917,275	167,204,362	183,987,633	202,136,983	218,855,202
2037	25,414,461	51,607,927	51,607,927	61,772,331	72,310,664	82,393,636	93,127,123	104,836,381	116,870,897	128,905,412	141,915,699	157,007,632	172,294,720	189,077,990	207,227,340	223,945,559
2038	25,414,661	51,605,252	51,605,252	61,769,656	72,307,989	82,390,961	93,124,448	104,833,706	116,868,222	128,902,737	141,913,024	157,004,957	172,292,045	189,075,315	207,224,665	223,942,884
2039	25,414,661	51,605,127	51,605,127	61,769,531	72,307,864	82,390,836	93,124,323	104,833,581	116,868,097	128,902,612	141,912,899	157,004,832	172,291,920	189,075,190	207,224,540	223,942,759
2040	25,415,961	51,610,927	51,610,927	61,775,331	72,313,664	82,396,636	93,130,123	104,839,381	116,873,897	128,908,412	141,918,699	157,010,632	172,297,720	189,080,990	207,230,340	223,948,559
2041	38,187,146	64,378,236	64,378,236	74,542,641	85,080,974	95,163,946	105,897,433	117,606,691	129,641,207	141,675,722	154,686,009	169,777,942	185,065,029	201,848,300	219,997,650	236,715,869
2042	23,520,579	49,711,295	49,711,295	59,875,700	70,414,032	80,497,005	91,230,491	102,939,750	114,974,265	127,008,781	140,019,068	155,111,001	170,398,088	187,181,358	205,330,709	222,048,927
2043	23,515,787	49,706,128	49,706,128	59,870,533	70,408,865	80,491,838	91,225,324	102,934,583	114,969,098	127,003,614	140,013,901	155,105,834	170,392,921	187,176,191	205,325,541	222,043,760
2044	8,681,319	34,872,660	34,872,660	45,037,065	55,575,397	65,658,369	76,391,856	88,101,115	100,135,630	112,170,146	125,180,433	140,272,366	155,559,453	172,342,723	190,492,073	207,210,292
2045	-	26,189,966	26,189,966	36,354,370	46,892,703	56,975,675	67,709,162	79,418,420	91,452,936	103,487,451	116,497,738	131,589,671	146,876,758	163,660,029	181,809,379	198,527,598
2046	-	35,044,750	35,044,750	52,877,039	70,766,184	88,980,585	106,544,473	125,084,132	144,599,562	163,464,479	183,630,424	204,121,626	225,588,599	247,706,087	269,823,575	292,266,320
Max $	130,904,166	$ 138,213,768	$ 138,213,768	$ 145,908,768	$ 145,908,768	$ 133,315,696	$ 143,296,015	$ 146,974,288	$ 158,592,804	$ 163,464,479	$ 183,630,424	$ 204,121,626	$ 225,588,599	$ 247,706,087	$ 269,823,575	$ 292,266,320
Required DSR Deposit		$ 7,309,602	$ -	$ 7,695,000	$ -	$ -	$ 9,980,318	$ 3,678,273	$ 11,618,516	$ 4,871,675	$ 20,165,945	$ 20,491,202	$ 21,466,974	$ 22,117,488	$ 22,117,488	$ 22,442,745

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt
2015	124,203,539
2016	124,935,614
2017	129,734,368
2018	130,904,166
2019	96,868,490
2020	97,591,521
2021	96,838,353
2022	88,807,368
2023	88,391,368
2024	69,247,867
2025	69,282,022
2026	70,352,626
2027	70,393,030
2028	59,629,728
2029	66,033,337
2030	61,358,545
2031	61,355,200
2032	61,351,420
2033	41,744,383
2034	41,597,779
2035	41,591,908
2036	41,579,104
2037	25,414,461
2038	25,414,661
2039	25,414,661
2040	25,415,961
2041	38,187,146
2042	23,520,579
2043	23,515,787
2044	8,681,319
2045	-
2046	-
Max	$ 130,904,166
Required DSR Deposit	

Existing Debt Service

Cumulative Revenue Bond Debt Service

	Existing Debt
2015	124,203,539
2016	124,935,614
2017	129,734,368
2018	130,904,166
2019	96,868,490
2020	97,591,521
2021	96,838,353
2022	88,807,368
2023	88,391,368
2024	69,247,867
2025	69,282,022
2026	70,352,626
2027	70,393,030
2028	59,629,728
2029	66,033,337
2030	61,358,545
2031	61,355,200
2032	61,351,420
2033	41,744,383
2034	41,597,779
2035	41,591,908
2036	41,579,104
2037	25,414,461
2038	25,414,661
2039	25,414,661
2040	25,415,961
2041	38,187,146
2042	23,520,579
2043	23,515,787
2044	8,681,319
2045	-
2046	-
Max $	130,904,166
Required DSR Deposit	

Scenario 1 | Scenario 2 | Scenario 3 | Scenario 4 | Scenario 5

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Active Choice:
Scenario - 4

CIP Summary	2015	2016	2017	2018	2019	2020	2021	2022
Water	$ 102,111,180	$ 110,991,800	$ 113,969,500	$ 139,170,500	$ 144,574,400	$ 150,190,100	$ 132,627,900	$ 137,755,300
Wastewater	158,241,820	173,049,200	186,415,500	193,686,900	201,243,100	209,096,500	235,109,700	238,708,900
Total	$ 260,353,000	$ 284,041,000	$ 300,385,000	$ 332,857,400	$ 345,817,500	$ 359,286,600	$ 367,737,600	$ 376,464,200

Project	Priority Ranking	2015	2016	2017	2018	2019	2020	2021	2022
Water Capital Projects - Uninflated									
Engineering and Administration		$ 12,251,180	$ 13,858,880	$ 15,789,500	$ 16,263,300	$ 16,750,900	$ 17,253,680	$ 17,771,180	$ 18,304,320
Water Treatment Plant		52,800,000	43,072,920	43,120,000	43,120,000	43,120,000	43,120,000	43,120,000	43,120,000
Pumping Station		-	-	-	-	-	-	-	-
Water Mains		-	-	-	-	-	-	-	-
Filtered Water Storage		-	-	-	-	-	-	-	-
Load Control Center Expansion		-	-	-	-	-	-	-	-
Distribution System		34,060,000	44,060,000	46,060,000	46,060,000	46,060,000	46,060,000	46,060,000	46,060,000
Large Meter Replacement		2,000,000	5,000,000	5,000,000	25,000,000	25,000,000	25,000,000	5,000,000	5,000,000
Vehicles		1,000,000	5,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Other		-	-	-	-	-	-	-	-
Total Water Capital Projects - Uninflated		**$ 102,111,180**	**$ 110,991,800**	**$ 113,969,500**	**$ 139,170,500**	**$ 144,574,400**	**$ 150,190,100**	**$ 132,627,900**	**$ 137,755,300**
Wastewater Capital Projects - Uninflated									
Engineering and Administration		$ 14,381,820	$ 16,269,120	$ 18,535,500	$ 19,091,700	$ 19,664,100	$ 20,254,320	$ 20,861,820	$ 21,487,680
Water Pollution Control Plant Improvements		72,200,000	66,820,080	66,880,000	66,880,000	66,880,000	66,880,000	66,880,000	66,880,000
Storm Flood Relief		-	15,000,000	15,000,000	10,000,000	10,000,000	10,000,000	15,000,000	15,000,000
Reconstruction of Old Sewers		30,660,000	34,960,000	35,000,000	35,000,000	35,000,000	35,000,000	35,260,000	30,660,000
Green Infrastructure		40,000,000	35,000,000	47,000,000	52,000,000	52,000,000	52,000,000	62,000,000	62,000,000
Vehicles		1,000,000	5,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Other		-	-	-	-	-	-	-	-
Consent Decree/Wet Weather Plan Projects		-	-	-	-	-	-	-	-
Total Wastewater Capital Projects - Uninflated		**$ 158,241,820**	**$ 173,049,200**	**$ 186,415,500**	**$ 193,686,900**	**$ 201,243,100**	**$ 209,096,500**	**$ 235,109,700**	**$ 238,708,900**
Total		**$ 260,353,000**	**$ 284,041,000**	**$ 300,385,000**	**$ 332,857,400**	**$ 345,817,500**	**$ 359,286,600**	**$ 367,737,600**	**$ 376,464,200**
Water Capital Projects - Inflated									
Engineering and Administration		$ 12,251,180	$ 13,858,880	$ 15,789,500	$ 16,263,300	$ 16,750,900	$ 17,253,700	$ 17,771,200	$ 18,304,300
Water Treatment Plant		52,800,000	43,072,920	43,120,000	44,844,800	46,638,600	48,504,100	50,444,300	52,462,100
Pumping Station		-	-	-	-	-	-	-	-
Water Mains		-	-	-	-	-	-	-	-
Filtered Water Storage		-	-	-	-	-	-	-	-
Load Control Center Expansion		-	-	-	-	-	-	-	-
Distribution System		34,060,000	44,060,000	46,060,000	47,902,400	49,818,500	51,811,200	53,883,700	56,039,000
Large Meter Replacement		2,000,000	5,000,000	5,000,000	26,000,000	27,040,000	28,121,600	5,849,300	6,083,300
Vehicles		1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600
Other		-	-	-	-	-	-	-	-
Total Water Capital Projects - Inflated		**$ 102,111,180**	**$ 110,991,800**	**$ 113,969,500**	**$ 139,170,500**	**$ 144,574,400**	**$ 150,190,100**	**$ 132,627,900**	**$ 137,755,300**
Wastewater Capital Projects - Inflated									
Engineering and Administration		$ 14,381,820	$ 16,269,120	$ 18,535,500	$ 19,091,700	$ 19,664,100	$ 20,254,300	$ 20,861,800	$ 21,487,700
Water Pollution Control Plant Improvements		72,200,000	66,820,080	66,880,000	69,555,200	72,337,400	75,230,900	78,240,100	81,369,700
Storm Flood Relief		-	15,000,000	15,000,000	10,400,000	10,816,000	11,248,600	17,547,900	18,249,800
Reconstruction of Old Sewers		30,660,000	34,960,000	35,000,000	36,400,000	37,856,000	39,370,200	41,249,200	37,302,600
Green Infrastructure		40,000,000	35,000,000	47,000,000	54,080,000	56,243,200	58,493,000	72,531,300	75,432,500
Vehicles		1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600
Other		-	-	-	-	-	-	-	-
Consent Decree/Wet Weather Plan Projects		-	-	-	-	-	-	-	-
Total Wastewater Capital Projects - Inflated		**$ 158,241,820**	**$ 173,049,200**	**$ 186,415,500**	**$ 193,686,900**	**$ 201,243,100**	**$ 209,096,500**	**$ 235,109,700**	**$ 238,708,900**
Total		**$ 260,353,000**	**$ 284,041,000**	**$ 300,385,000**	**$ 332,857,400**	**$ 345,817,500**	**$ 359,286,600**	**$ 367,737,600**	**$ 376,464,200**
Water CIP Summary by Priority Level - Inflated									
Level 1 Priority	1	$ 12,251,180	$ 13,858,880	$ 15,789,500	$ 37,063,300	$ 38,382,900	$ 39,751,000	$ 17,771,200	$ 18,304,300
Level 2 Priority	2	54,800,000	48,072,920	48,120,000	50,044,800	52,046,600	54,128,400	56,293,600	58,545,400
Level 3 Priority	3	1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600
Level 4 Priority	4	34,060,000	44,060,000	46,060,000	47,902,400	49,818,500	51,811,200	53,883,700	56,039,000
Level 5 Priority	5	-	-	-	-	-	-	-	-
Wastewater CIP Summary by Priority Level - Inflated									
Level 1 Priority	1	$ 46,000,000	$ 71,300,000	$ 82,340,000	$ 85,633,600	$ 89,058,900	$ 92,621,400	$ 114,178,200	$ 113,148,700
Level 2 Priority	2	14,381,820	16,269,120	18,535,500	19,091,700	19,664,100	20,254,300	20,861,800	21,487,700
Level 3 Priority	3	67,200,000	54,820,080	54,880,000	57,075,200	59,358,200	61,732,500	64,201,800	66,769,900
Level 4 Priority	4	30,660,000	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	37,302,600
Level 5 Priority	5	-	-	-	-	-	-	-	-
Total CIP		$ 260,353,000	$ 284,041,000	$ 300,385,000	$ 332,857,400	$ 345,817,500	$ 359,286,600	$ 367,737,600	$ 376,464,200

Totals for Scenario	Priority Selected								
Water System	5	$ 102,111,180	$ 110,991,800	$ 113,969,500	$ 139,170,500	$ 144,574,400	$ 150,190,100	$ 132,627,900	$ 137,755,300
Wastewater System	5	158,241,820	173,049,200	186,415,500	193,686,900	201,243,100	209,096,500	235,109,700	238,708,900
Combined System	5	260,353,000	284,041,000	300,385,000	332,857,400	345,817,500	359,286,600	367,737,600	376,464,200
Total Net Funding Requirement		174,108,714	242,552,674	282,000,000	300,000,000	300,000,000	300,000,000	300,000,000	339,000,000
Estimated Monthly Spending		14,509,060	20,212,723	23,500,000	25,000,000	25,000,000	25,000,000	25,000,000	28,250,000
Allocation of CIP Spending by Utility									
Water System		$ 68,285,928	$ 94,779,831	$ 106,994,021	$ 125,432,543	$ 125,419,679	$ 125,406,931	$ 108,197,720	$ 124,046,448
Wastewater System		105,822,786	147,772,843	175,005,979	174,567,457	174,580,321	174,593,069	191,802,280	214,953,552
Combined System		174,108,714	242,552,674	282,000,000	300,000,000	300,000,000	300,000,000	300,000,000	339,000,000

Scenario Comparison - Scenario - 4 Active

Scenario 1 - AMI								
Water	$ 102,111,180	$ 110,991,800	$ 110,548,480	$ 128,927,700	$ 129,529,940	$ 130,156,560	$ 113,008,480	$ 96,852,250
Wastewater	158,241,820	173,049,200	184,702,520	182,582,300	183,289,060	184,024,440	202,889,520	177,676,990
Total	$ 260,353,000	$ 284,041,000	$ 295,251,000	$ 311,510,000	$ 312,819,000	$ 314,181,000	$ 315,898,000	$ 274,529,240
Scenario 2 - Approved Budget								
Water	$ 102,111,180	$ 110,991,800	$ 109,548,480	$ 110,129,460	$ 110,729,940	$ 111,356,560	$ 112,008,480	$ 125,852,250
Wastewater	158,241,820	173,049,200	183,702,520	189,380,540	190,089,060	190,824,440	191,889,520	226,676,990
Total	$ 260,353,000	$ 284,041,000	$ 293,251,000	$ 299,510,000	$ 300,819,000	$ 302,181,000	$ 303,898,000	$ 352,529,240
Scenario 3 - AMI and Increased Main Replacement								
Water	$ 102,111,180	$ 110,991,800	$ 120,548,480	$ 148,927,700	$ 159,529,940	$ 160,156,560	$ 143,008,480	$ 126,852,250
Wastewater	158,241,820	173,049,200	184,702,520	182,582,300	183,289,060	184,024,440	202,889,520	177,676,990
Total	$ 260,353,000	$ 284,041,000	$ 305,251,000	$ 331,510,000	$ 342,819,000	$ 344,181,000	$ 345,898,000	$ 304,529,240
Scenario 4 - Proposed 2017 to 2022 CIP Budget								
Water	$ 102,111,180	$ 110,991,800	$ 113,969,500	$ 134,443,300	$ 134,930,900	$ 135,433,680	$ 115,951,180	$ 116,484,320
Wastewater	158,241,820	173,049,200	186,415,500	186,971,700	187,544,100	188,134,320	204,001,820	200,027,680
Total	$ 260,353,000	$ 284,041,000	$ 300,385,000	$ 321,415,000	$ 322,475,000	$ 323,568,000	$ 319,953,000	$ 316,512,000
Scenario 5 - Option 5								
Water	$ 72,078,416	$ 105,505,142	$ 105,587,014	$ 124,163,943	$ 124,221,937	$ 124,281,761	$ 107,321,173	$ 129,122,579
Wastewater	111,700,010	164,494,858	176,412,986	175,836,057	175,778,063	175,718,239	192,678,827	236,877,421
Total	$ 183,778,426	$ 270,000,000	$ 282,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 366,000,000

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DO NOT DISTRIBUTE

2023	2024	2025	2026	2027	2028	2029
$ 139,612,500	$ 145,017,800	$ 146,528,300	$ 152,199,200	$ 158,091,600	$ 164,213,600	$ 170,574,500
250,735,600	260,554,700	270,760,200	281,367,600	292,392,400	303,851,300	307,756,600
$ 390,348,100	$ 405,572,500	$ 417,288,500	$ 433,566,800	$ 450,484,000	$ 468,064,900	$ 478,331,100

Priority Scale
1
2
3
4
5

2023	2024	2025	2026	2027	2028	2029	Total
$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274	$ 265,508,425
43,120,000	43,120,000	43,120,000	43,120,000	43,120,000	43,120,000	43,120,000	656,432,920
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
44,060,000	44,060,000	44,060,000	44,060,000	44,060,000	44,060,000	44,060,000	662,900,000
5,000,000	5,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	117,000,000
4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	58,000,000
-	-	-	-	-	-	-	-
$ 139,612,500	**$ 145,017,800**	**$ 146,528,300**	**$ 152,199,200**	**$ 158,091,600**	**$ 164,213,600**	**$ 170,574,500**	**$ 1,759,841,345**
$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322	$ 311,683,803
66,880,000	66,880,000	66,880,000	66,880,000	66,880,000	66,880,000	66,880,000	1,008,460,080
15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	195,000,000
40,660,000	40,660,000	40,660,000	40,660,000	40,660,000	40,660,000	40,660,000	556,160,000
55,000,000	55,000,000	55,000,000	55,000,000	55,000,000	55,000,000	50,000,000	782,000,000
4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	58,000,000
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
$ 250,735,600	**$ 260,554,700**	**$ 270,760,200**	**$ 281,367,600**	**$ 292,392,400**	**$ 303,851,300**	**$ 307,756,600**	**$ 2,911,303,883**
$ 390,348,100	**$ 405,572,500**	**$ 417,288,500**	**$ 433,566,800**	**$ 450,484,000**	**$ 468,064,900**	**$ 478,331,100**	**$ 4,671,145,228**
$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300	$ 265,508,460
54,560,600	56,743,000	59,012,700	61,373,200	63,828,100	66,381,300	69,036,500	812,822,220
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500	823,964,500
6,326,600	6,579,700	2,737,100	2,846,600	2,960,500	3,078,900	3,202,100	132,825,700
5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	72,507,300
-	-	-	-	-	-	-	-
$ 139,612,500	**$ 145,017,800**	**$ 146,528,300**	**$ 152,199,200**	**$ 158,091,600**	**$ 164,213,600**	**$ 170,574,500**	**$ 2,107,628,180**
$ 21,029,500	$ 21,660,400	$ 22,310,200	$ 22,979,500	$ 23,668,900	$ 24,379,000	$ 25,110,300	$ 311,683,840
84,624,500	88,009,500	91,529,900	95,191,100	98,998,700	102,958,600	107,077,000	1,251,022,680
18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500	248,170,300
51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000	699,148,500
69,592,600	72,376,300	75,271,300	78,282,200	81,413,400	84,669,900	80,051,700	980,437,400
5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	72,507,300
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
$ 250,735,600	**$ 260,554,700**	**$ 270,760,200**	**$ 281,367,600**	**$ 292,392,400**	**$ 303,851,300**	**$ 307,756,600**	**$ 3,562,970,020**
$ 390,348,100	**$ 405,572,500**	**$ 417,288,500**	**$ 433,566,800**	**$ 450,484,000**	**$ 468,064,900**	**$ 478,331,100**	**$ 5,670,598,200**
$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300	$ 248,542,660
60,887,200	63,322,700	61,749,800	64,219,800	66,788,600	69,460,200	72,238,600	608,011,420
5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	48,331,200
55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500	557,664,000
-	-	-	-	-	-	-	-
$ 108,817,500	$ 113,170,200	$ 117,696,900	$ 122,404,800	$ 127,301,000	$ 132,392,900	$ 129,683,700	$ 1,033,965,400
21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300	215,546,140
69,440,700	72,218,300	75,107,100	78,111,400	81,235,800	84,485,200	87,864,600	702,803,780
51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000	425,286,800
-	-	-	-	-	-	-	-
$ 390,348,100	$ 405,572,500	$ 417,288,500	$ 433,566,800	$ 450,484,000	$ 468,064,900	$ 478,331,100	$ 3,840,151,400

$ 139,612,500	$ 145,017,800	$ 146,528,300	$ 152,199,200	$ 158,091,600	$ 164,213,600	$ 170,574,500
250,735,600	260,554,700	270,760,200	281,367,600	292,392,400	303,851,300	307,756,600
390,348,100	405,572,500	417,288,500	433,566,800	450,484,000	468,064,900	478,331,100
351,000,000	365,000,000	376,000,000	390,000,000	405,000,000	421,000,000	430,000,000
29,250,000	30,416,667	31,333,333	32,500,000	33,750,000	35,083,333	35,833,333
$ 125,539,198	$ 130,510,567	$ 132,030,096	$ 136,905,520	$ 142,129,572	$ 147,701,581	$ 153,339,465
225,460,802	234,489,433	243,969,904	253,094,480	262,870,428	273,298,419	276,660,535
351,000,000	365,000,000	376,000,000	390,000,000	405,000,000	421,000,000	430,000,000

$ 97,374,018	$ 97,911,439	$ 95,464,981	$ 96,035,131	$ 96,622,385	$ 97,227,257	$ 97,850,274	$ 1,212,876,828
178,289,499	178,920,384	179,570,196	180,239,502	180,928,887	181,638,953	177,370,322	1,983,235,929
$ 275,663,517	$ 276,831,823	$ 275,035,177	$ 276,274,633	$ 277,551,272	$ 278,866,210	$ 275,220,596	$ 3,196,112,757
$ 126,374,018	$ 126,911,439	$ 94,464,981	$ 95,035,131	$ 95,622,385	$ 96,227,257	$ 96,850,274	$ 1,240,478,588
227,289,499	227,920,384	228,570,196	229,239,502	229,928,887	220,638,953	221,370,322	2,187,634,169
$ 353,663,517	$ 354,831,823	$ 323,035,177	$ 324,274,633	$ 325,551,272	$ 316,866,210	$ 318,220,596	$ 3,428,112,757
$ 127,374,018	$ 127,911,439	$ 125,464,981	$ 126,035,131	$ 126,622,385	$ 127,227,257	$ 127,850,274	$ 1,452,876,828
178,289,499	178,920,384	179,570,196	180,239,502	180,928,887	181,638,953	177,370,322	1,983,235,929
$ 305,663,517	$ 306,831,823	$ 305,035,177	$ 306,274,633	$ 307,551,272	$ 308,866,210	$ 305,220,596	$ 3,436,112,757
$ 114,094,018	$ 114,631,439	$ 112,184,981	$ 112,755,131	$ 113,342,385	$ 113,947,257	$ 114,570,274	$ 1,305,226,298
202,569,499	203,200,384	203,850,196	204,519,502	205,208,887	205,918,953	201,650,322	2,094,006,219
$ 316,663,517	$ 317,831,823	$ 316,035,177	$ 317,274,633	$ 318,551,272	$ 319,866,210	$ 316,220,596	$ 3,399,232,517
$ 134,229,321	$ 139,705,826	$ 128,080,264	$ 133,481,275	$ 138,901,657	$ 139,460,793	$ 147,902,136	$ 1,294,297,376
245,770,679	255,294,174	240,919,736	250,518,725	260,098,343	260,539,207	268,097,864	2,151,481,050
$ 380,000,000	$ 395,000,000	$ 369,000,000	$ 384,000,000	$ 399,000,000	$ 400,000,000	$ 416,000,000	$ 3,445,778,426

Name:
AMI

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	Project	CIP Inflation	Priority Assignment	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	Water Capital Projects																	Cap
	Engineering and Administration																	
	Project 1	Low	1	$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274
	Project 2	Medium	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Engineering and Administration			$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274
	Water Treatment Plant																	
x		Medium	2	$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 40,869,400	$ 40,867,200	$ 40,865,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Water Treatment Plant			$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 40,869,400	$ 40,867,200	$ 40,865,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
	Pumping Station																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Pumping Station			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Water Mains																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Water Mains			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Filtered Water Storage																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Filtered Water Storage			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Load Control Center Expansion																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Load Control Center Expansion			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Distribution System																	
x		Medium	4	$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Distribution System			$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
	Large Meter Replacement																	
x	Large Meter Replacement	Medium	2	$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
	AMI	Medium	1	-	-	-	20,000,000	20,000,000	20,000,000	-	-	-	-	-	-	-	-	-
	Subtotal Large Meter Replacement			$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
	Vehicles																	
x		Medium	3	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
	Other																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Total Water Capital Projects			**$ 102,111,180**	**$ 110,991,800**	**$ 110,548,480**	**$ 128,927,700**	**$ 129,529,940**	**$ 130,156,560**	**$ 113,008,480**	**$ 96,852,250**	**$ 97,374,018**	**$ 97,911,439**	**$ 95,464,981**	**$ 96,035,131**	**$ 96,622,385**	**$ 97,227,257**	**$ 97,850,274**
	Wastewater Capital Projects																	Cap
	Engineering and Administration																	
		Low	2	$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Engineering and Administration			$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322
	Water Pollution Control Plant Improvements																	
x	Plants/Facilities	Medium	3	$ 67,200,000	$ 54,820,080	$ 54,817,840	$ 52,015,600	$ 52,012,800	$ 52,010,000	$ 54,807,200	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000
x	WWTP Upgrades	Medium	1	5,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
	Subtotal Water Pollution Control Plant Improvements			$ 72,200,000	$ 66,820,080	$ 66,817,840	$ 64,015,600	$ 64,012,800	$ 64,010,000	$ 66,807,200	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000
	Storm Flood Relief																	
x		Medium	1	$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Storm Flood Relief			$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
	Reconstruction of Old Sewers																	
x	Sewer Reconstruction	Medium	4	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000
x	Interceptor Rehab	Medium	1	-	4,300,000	4,300,000	4,300,000	4,300,000	4,300,000	4,600,000	-	-	-	-	-	-	-	-
	Subtotal Reconstruction of Old Sewers			$ 30,660,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 45,260,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000
	Green Infrastructure																	
	Stream Restoration	Medium	1	$ -	$ 5,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 5,000,000
	Subst'n for Stream Rest & A2	Medium	1	-	-	7,000,000	7,000,000	7,000,000	7,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
	Green Infrastructure	Medium	1	40,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
	Subtotal Green Infrastructure			$ 40,000,000	$ 35,000,000	$ 47,000,000	$ 47,000,000	$ 47,000,000	$ 47,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 47,000,000
	Vehicles																	
x		Medium	1	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
	Other																	
		Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Consent Decree/Wet Weather Plan Projects																	
		Medium	5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Medium	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal Consent Decree/Wet Weather Plan Projects			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Total Wastewater Capital Projects			**$ 158,241,820**	**$ 173,049,200**	**$ 184,702,520**	**$ 182,582,300**	**$ 183,289,060**	**$ 184,024,440**	**$ 202,889,520**	**$ 177,676,990**	**$ 178,289,499**	**$ 178,920,384**	**$ 179,570,196**	**$ 180,239,502**	**$ 180,928,887**	**$ 181,638,953**	**$ 177,370,322**
	Total			**$ 260,353,000**	**$ 284,041,000**	**$ 295,251,000**	**$ 311,510,000**	**$ 312,819,000**	**$ 314,181,000**	**$ 315,898,000**	**$ 274,529,240**	**$ 275,663,517**	**$ 276,831,823**	**$ 275,035,177**	**$ 276,274,633**	**$ 277,551,272**	**$ 278,866,210**	**$ 275,220,596**
	Water CIP Summary by Priority Level - Inflated																	
	Level 1 Criticality		1	$ 12,251,200	$ 13,858,900	$ 14,417,300	$ 35,798,300	$ 37,234,700	$ 38,728,900	$ 16,885,700	$ 17,392,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300
	Level 2 Criticality		2	54,800,000	48,072,900	48,071,200	47,704,200	49,610,000	51,591,900	56,226,700	38,202,900	39,731,000	41,320,300	38,867,300	40,422,000	42,038,900	43,720,500	45,469,400
	Level 3 Criticality		3	1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100
	Level 4 Criticality		4	34,060,000	44,060,000	44,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500
	Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wastewater CIP Summary by Priority Level - Inflated																	
	Level 1 Criticality		1	$ 46,000,000	$ 71,300,000	$ 82,300,000	$ 85,592,000	$ 89,015,700	$ 92,576,300	$ 102,479,600	$ 100,982,100	$ 105,021,500	$ 109,222,400	$ 113,591,200	$ 118,134,800	$ 122,860,200	$ 127,774,500	$ 124,880,600
	Level 2 Criticality		2	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
	Level 3 Criticality		3	67,200,000	54,820,100	54,817,800	54,096,200	56,257,000	58,504,200	64,116,700	40,879,500	42,514,700	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700	53,794,700
	Level 4 Criticality		4	30,660,000	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	47,566,400	49,469,100	51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000
	Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total CIP			$ 260,353,000	$ 284,041,000	$ 295,251,000	$ 322,666,200	$ 335,577,300	$ 349,005,000	$ 363,320,800	$ 325,815,200	$ 338,469,900	$ 351,619,300	$ 361,177,100	$ 375,210,900	$ 389,793,900	$ 404,947,300	$ 412,688,900
	Total Net Funding Requirement			$ 183,778,426	$ 270,000,000	$ 282,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 293,000,000	$ 305,000,000	$ 316,000,000	$ 325,000,000	$ 338,000,000	$ 351,000,000	$ 364,000,000	$ 371,000,000
	Estimated Monthly Spending			$ 15,314,869	$ 22,500,000	$ 23,500,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 24,416,667	$ 25,416,667	$ 26,333,333	$ 27,083,333	$ 28,166,667	$ 29,250,000	$ 30,333,333	$ 30,916,667
	Annual Balance of Appropriations			$ 76,574,574	$ 14,041,000	$ 13,251,000	$ 22,666,200	$ 35,577,300	$ 49,005,000	$ 63,320,800	$ 32,815,200	$ 33,469,900	$ 35,619,300	$ 36,177,100	$ 37,210,900	$ 38,793,900	$ 40,947,300	$ 41,688,900
	Cumulative Balance of Appropriations			$ 76,574,574	$ 90,615,574	$ 103,866,574	$ 126,532,774	$ 162,110,074	$ 211,115,074	$ 274,435,874	$ 307,251,074	$ 340,720,974	$ 376,340,274	$ 412,517,374	$ 449,728,274	$ 488,522,174	$ 529,469,474	$ 571,158,374

Expenses/Appropriations	70.6%	95.1%	95.5%	93.0%	89.4%	86.0%	82.6%	89.9%	90.1%	89.9%	90.0%	90.1%	90.0%	89.9%	89.9%
Admin & Vehicles	$ 28,633,000	$ 40,128,000	$ 39,342,000	$ 40,605,000	$ 41,919,000	$ 43,286,000	$ 44,708,000	$ 45,809,240	$ 46,943,517	$ 48,111,823	$ 49,315,177	$ 50,554,633	$ 51,831,272	$ 53,146,210	$ 54,500,596
Conveyance	36,060,000	49,060,000	49,060,000	69,060,000	69,060,000	69,060,000	49,060,000	49,060,000	49,060,000	49,060,000	46,060,000	46,060,000	46,060,000	46,060,000	46,060,000
Collectors	70,660,000	84,960,000	96,960,000	96,960,000	96,960,000	96,960,000	112,260,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	102,660,000
Improvements to Treatment Plants	125,000,000	109,893,000	109,889,000	104,885,000	104,880,000	104,875,000	109,870,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000
	$ 260,353,000	$ 284,041,000	$ 295,251,000	$ 311,510,000	$ 312,819,000	$ 314,181,000	$ 315,898,000	$ 274,529,240	$ 275,663,517	$ 276,831,823	$ 275,035,177	$ 276,274,633	$ 277,551,272	$ 278,866,210	$ 275,220,596
			-	-	-	-	-	-	-	-	-	-	-	-	

Priority Scale
1
2
3

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Inflated

Total	n Factor	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
tal Projects - Scen 1 - 1A																Capital Projects - Scen 1 - 1B
$ 258,903,395	0.00%	12,251,200	13,858,900	14,417,300	14,998,300	15,602,700	16,231,600	16,885,700	17,392,300	17,914,000	18,451,400	19,005,000	19,575,100	20,162,400	20,767,300	21,390,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 258,903,395		$ 12,251,200	$ 13,858,900	$ 14,417,300	$ 14,998,300	$ 15,602,700	$ 16,231,600	$ 16,885,700	$ 17,392,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300
$ 515,808,480	4.00%	52,800,000	43,072,900	43,071,200	42,504,200	44,202,000	45,967,600	50,377,400	32,119,600	33,404,400	34,740,600	36,130,200	37,575,400	39,078,400	40,641,600	42,267,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 515,808,480		$ 52,800,000	$ 43,072,900	$ 43,071,200	$ 42,504,200	$ 44,202,000	$ 45,967,600	$ 50,377,400	$ 32,119,600	$ 33,404,400	$ 34,740,600	$ 36,130,200	$ 37,575,400	$ 39,078,400	$ 40,641,600	$ 42,267,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 650,900,000	4.00%	34,060,000	44,060,000	44,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 650,900,000		$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 45,822,400	$ 47,655,300	$ 49,561,500	$ 51,544,000	$ 53,605,700	$ 55,750,000	$ 57,980,000	$ 60,299,200	$ 62,711,100	$ 65,219,600	$ 67,828,300	$ 70,541,500
$ 57,000,000	4.00%	2,000,000	5,000,000	5,000,000	5,200,000	5,408,000	5,624,300	5,849,300	6,083,300	6,326,600	6,579,700	2,737,100	2,846,600	2,960,500	3,078,900	3,202,100
$ 60,000,000	4.00%	-	-	-	20,800,000	21,632,000	22,497,300	-	-	-	-	-	-	-	-	-
$ 117,000,000		$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 26,000,000	$ 27,040,000	$ 28,121,600	$ 5,849,300	$ 6,083,300	$ 6,326,600	$ 6,579,700	$ 2,737,100	$ 2,846,600	$ 2,960,500	$ 3,078,900	$ 3,202,100
$ 58,000,000	4.00%	1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 58,000,000		$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,160,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 1,600,611,875		**$ 102,111,200**	**$ 110,991,800**	**$ 110,548,500**	**$ 133,484,900**	**$ 138,826,400**	**$ 144,381,800**	**$ 129,335,800**	**$ 114,067,500**	**$ 118,456,300**	**$ 123,015,400**	**$ 123,645,800**	**$ 128,401,400**	**$ 133,341,900**	**$ 138,473,900**	**$ 143,805,300**
tal Projects - Scen 1 - 2A																Capital Projects - Scen 1 - 2B
$ 303,930,073	0.00%	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 303,930,073		$ 14,381,800	$ 16,269,100	$ 16,924,700	$ 17,606,700	$ 18,316,300	$ 19,054,400	$ 19,822,300	$ 20,417,000	$ 21,029,500	$ 21,660,400	$ 22,310,200	$ 22,979,500	$ 23,668,900	$ 24,379,000	$ 25,110,300
$ 656,483,520	4.00%	67,200,000	54,820,100	54,817,800	54,096,200	56,257,000	58,504,200	64,116,700	40,879,500	42,514,700	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700	53,794,700
$ 173,000,000	4.00%	5,000,000	12,000,000	12,000,000	12,480,000	12,979,200	13,498,400	14,038,300	14,599,800	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400
$ 829,483,520		$ 72,200,000	$ 66,820,100	$ 66,817,800	$ 66,576,200	$ 69,236,200	$ 72,002,600	$ 78,155,000	$ 55,479,300	$ 57,698,500	$ 60,006,500	$ 62,406,700	$ 64,903,000	$ 67,499,100	$ 70,199,100	$ 73,007,100
$ 210,000,000	4.00%	-	15,000,000	15,000,000	15,600,000	16,224,000	16,873,000	17,547,900	18,249,800	18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 210,000,000		$ -	$ 15,000,000	$ 15,000,000	$ 15,600,000	$ 16,224,000	$ 16,873,000	$ 17,547,900	$ 18,249,800	$ 18,979,800	$ 19,739,000	$ 20,528,500	$ 21,349,700	$ 22,203,700	$ 23,091,800	$ 24,015,500
$ 549,900,000	4.00%	30,660,000	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	47,566,400	49,469,100	51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000
$ 26,100,000	4.00%	-	4,300,000	4,300,000	4,472,000	4,650,900	4,836,900	5,381,300	-	-	-	-	-	-	-	-
$ 576,000,000		$ 30,660,000	$ 34,960,000	$ 34,960,000	$ 36,358,400	$ 37,812,800	$ 39,325,200	$ 52,947,700	$ 49,469,100	$ 51,447,900	$ 53,505,800	$ 55,646,000	$ 57,871,900	$ 60,186,700	$ 62,594,200	$ 65,098,000
$ 130,000,000	4.00%	-	5,000,000	10,000,000	10,400,000	10,816,000	11,248,600	11,698,600	12,166,500	12,653,200	13,159,300	13,685,700	14,233,100	14,802,400	15,394,500	8,005,200
$ 136,000,000	4.00%	-	-	7,000,000	7,280,000	7,571,200	7,874,000	14,038,300	14,599,800	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400
$ 460,000,000	4.00%	40,000,000	30,000,000	30,000,000	31,200,000	32,448,000	33,745,900	35,095,800	36,499,600	37,959,600	39,478,000	41,057,100	42,699,400	44,407,300	46,183,600	48,031,000
$ 726,000,000		$ 40,000,000	$ 35,000,000	$ 47,000,000	$ 48,880,000	$ 50,835,200	$ 52,868,500	$ 60,832,700	$ 63,265,900	$ 65,796,600	$ 68,428,500	$ 71,165,600	$ 74,012,200	$ 76,972,600	$ 80,051,500	$ 75,248,600
$ 58,000,000	4.00%	1,000,000	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 58,000,000		$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,160,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 2,703,413,593		**$ 158,241,800**	**$ 173,049,200**	**$ 184,702,500**	**$ 189,181,300**	**$ 196,750,900**	**$ 204,623,200**	**$ 233,985,000**	**$ 211,747,700**	**$ 220,013,600**	**$ 228,603,900**	**$ 237,531,300**	**$ 246,809,500**	**$ 256,452,000**	**$ 266,473,400**	**$ 268,883,600**
$ 4,304,025,468		**$ 260,353,000**	**$ 284,041,000**	**$ 295,251,000**	**$ 322,666,200**	**$ 335,577,300**	**$ 349,005,000**	**$ 363,320,800**	**$ 325,815,200**	**$ 338,469,900**	**$ 351,619,300**	**$ 361,177,100**	**$ 375,210,900**	**$ 389,793,900**	**$ 404,947,300**	**$ 412,688,900**
		0.00%	0.00%	#DIV/0!	3.58%	3.57%	3.57%	3.56%	3.48%	3.48%	3.48%	3.46%	3.46%	3.45%	3.45%	3.43%

$ 241,937,700
514,198,400
48,331,200
544,398,100
-

$ 998,080,800
207,792,400
583,405,400
449,151,800
-

$ 3,587,295,800

Name:
Approved Budget

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Project	CIP Inflation	Priority Assignment	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Water Capital Projects																
Engineering and Administration																
Project 1	Low	1	$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257
Project 2	Medium	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257
Water Treatment Plant																
	Medium	2	$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 43,071,160	$ 43,067,200	$ 43,065,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Treatment Plant			$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 43,071,160	$ 43,067,200	$ 43,065,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
Pumping Station																
	Medium	1														
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Pumping Station			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Water Mains																
	Medium	1														
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Mains			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Filtered Water Storage																
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Filtered Water Storage			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Load Control Center Expansion																
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Load Control Center Expansion			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution System																
	Medium	4	$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Distribution System			$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
Large Meter Replacement																
Large Meter Replacement	Medium	2	$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 35,000,000	$ 35,000,000	$ 35,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
AMI	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Large Meter Replacement			$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 35,000,000	$ 35,000,000	$ 35,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
Vehicles																
	Medium	3	$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000
Other																
	Medium	1														
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Water Capital Projects			**$ 102,111,180**	**$ 110,991,800**	**$ 109,548,480**	**$ 110,129,460**	**$ 110,729,940**	**$ 111,356,560**	**$ 112,008,480**	**$ 125,852,250**	**$ 126,374,018**	**$ 126,911,439**	**$ 94,464,981**	**$ 95,035,131**	**$ 95,622,385**	**$ 96,227,257**
Wastewater Capital Projects																
Engineering and Administration																
	Low	2	$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953
Water Pollution Control Plant Improvements																
x Plants/Facilities	Medium	3	$ 67,200,000	$ 54,820,080	$ 54,817,840	$ 54,813,840	$ 54,812,800	$ 54,810,000	$ 54,807,200	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000
x WWTP Upgrades	Medium	1	5,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
Subtotal Water Pollution Control Plant Improvements			$ 72,200,000	$ 66,820,080	$ 66,817,840	$ 66,813,840	$ 66,812,800	$ 66,810,000	$ 66,807,200	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000
Storm Flood Relief																
	Medium	1	$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Storm Flood Relief			$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
Reconstruction of Old Sewers																
x Sewer Reconstruction	Medium	4	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000
x Interceptor Rehab	Medium	1	-	4,300,000	4,300,000	4,300,000	4,300,000	4,300,000	4,600,000	-	-	-	-	-	-	-
Subtotal Reconstruction of Old Sewers			$ 30,660,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 35,260,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000	$ 90,660,000
Green Infrastructure																
Stream Restoration	Medium	1	$ -	$ 5,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ -
Subst'n for Stream Rest & A2	Medium	1		-	7,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
Green Infrastructure	Medium	1	40,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
Subtotal Green Infrastructure			$ 40,000,000	$ 35,000,000	$ 47,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 42,000,000
Vehicles																
	Medium	1	$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000
Other																
	Medium	1														
	Medium	1														
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Consent Decree/Wet Weather Plan Projects																
	Medium	5														
	Medium	4														
Subtotal Consent Decree/Wet Weather Plan Projects			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Wastewater Capital Projects			**$ 158,241,820**	**$ 173,049,200**	**$ 183,702,520**	**$ 189,380,540**	**$ 190,089,060**	**$ 190,824,440**	**$ 191,889,520**	**$ 226,676,990**	**$ 227,289,499**	**$ 227,920,384**	**$ 228,570,196**	**$ 229,239,502**	**$ 229,928,887**	**$ 220,638,953**
Total			**$ 260,353,000**	**$ 284,041,000**	**$ 293,251,000**	**$ 299,510,000**	**$ 300,819,000**	**$ 302,181,000**	**$ 303,898,000**	**$ 352,529,240**	**$ 353,663,517**	**$ 354,831,823**	**$ 323,035,177**	**$ 324,274,633**	**$ 325,551,272**	**$ 316,866,210**
Water CIP Summary by Priority Level - Inflated																
Level 1 Criticality		1	$ 12,251,200	$ 13,858,900	$ 14,417,300	$ 14,998,300	$ 15,602,700	$ 16,231,600	$ 16,885,700	$ 17,392,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300
Level 2 Criticality		2	54,800,000	48,072,900	48,071,200	49,994,000	51,989,500	54,066,600	56,226,700	74,702,500	77,690,600	80,798,200	38,867,300	40,422,000	42,038,900	43,720,500
Level 3 Criticality		3	1,000,000	5,000,000	3,000,000	3,120,000	3,244,800	3,374,600	3,509,600	3,650,000	3,796,000	3,947,800	4,105,700	4,269,900	4,440,700	4,618,400
Level 4 Criticality		4	34,060,000	44,060,000	44,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wastewater CIP Summary by Priority Level - Inflated																
Level 1 Criticality		1	$ 46,000,000	$ 71,300,000	$ 74,300,000	$ 77,272,000	$ 80,362,900	$ 83,577,400	$ 87,271,500	$ 85,165,700	$ 88,572,400	$ 92,115,300	$ 95,799,800	$ 99,631,800	$ 103,617,000	$ 92,367,200
Level 2 Criticality		2	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000
Level 3 Criticality		3	67,200,000	54,820,100	54,817,800	57,006,400	59,285,500	61,653,800	64,116,700	40,879,500	42,514,700	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700
Level 4 Criticality		4	30,660,000	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	110,301,800	114,713,800	119,302,400	124,074,500	129,037,400	134,198,900	139,566,900
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIP			$ 260,353,000	$ 284,041,000	$ 286,251,000	$ 297,706,200	$ 309,618,900	$ 322,008,200	$ 335,244,400	$ 406,114,500	$ 421,981,000	$ 438,470,800	$ 410,445,600	$ 426,450,100	$ 443,082,600	$ 444,973,300
Total Net Funding Requirement			$ 183,778,426	$ 270,000,000	$ 282,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	$ 366,000,000	$ 380,000,000	$ 395,000,000	$ 369,000,000	$ 384,000,000	$ 399,000,000	$ 400,000,000
Estimated Monthly Spending			$ 15,314,869	$ 22,500,000	$ 23,500,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 30,500,000	$ 31,666,667	$ 32,916,667	$ 30,750,000	$ 32,000,000	$ 33,250,000	$ 33,333,333
Annual Balance of Appropriations			$ 76,574,574	$ 14,041,000	$ 4,251,000	$ (2,293,800)	$ 9,618,900	$ 22,008,200	$ 35,244,400	$ 40,114,500	$ 41,981,000	$ 43,470,800	$ 41,445,600	$ 42,450,100	$ 44,082,600	$ 44,973,300
Cumulative Balance of Appropriations			$ 76,574,574	$ 90,615,574	$ 94,866,574	$ 92,572,774	$ 102,191,674	$ 124,199,874	$ 159,444,274	$ 199,558,774	$ 241,539,774	$ 285,010,574	$ 326,456,174	$ 368,906,274	$ 412,988,874	$ 457,962,174
Expenses/Appropriations			70.6%	95.1%	98.5%	100.8%	96.9%	93.2%	89.5%	90.1%	90.1%	90.1%	89.9%	90.0%	90.1%	89.9%

Admin & Vehicles	$ 28,633,000	$ 40,128,000	$ 37,342,000	$ 38,605,000	$ 39,919,000	$ 41,286,000	$ 42,708,000	$ 43,809,240	$ 44,943,517	$ 46,111,823	$ 47,315,177	$ 48,554,633	$ 49,831,272	$ 51,146,210
Conveyance	36,060,000	49,060,000	49,060,000	49,060,000	49,060,000	49,060,000	49,060,000	79,060,000	79,060,000	79,060,000	46,060,000	46,060,000	46,060,000	46,060,000
Collectors	70,660,000	84,960,000	96,960,000	101,960,000	101,960,000	101,960,000	102,260,000	157,660,000	157,660,000	157,660,000	157,660,000	157,660,000	157,660,000	147,660,000
Improvements to Treatment Plants	125,000,000	109,893,000	109,889,000	109,885,000	109,880,000	109,875,000	109,870,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000
Total	$ 260,353,000	$ 284,041,000	$ 293,251,000	$ 299,510,000	$ 300,819,000	$ 302,181,000	$ 303,898,000	$ 352,529,240	$ 353,663,517	$ 354,831,823	$ 323,035,177	$ 324,274,633	$ 325,551,272	$ 316,866,210
Comparison with Scenario 1	$ -	$ -	$ (2,000,000)	$ (12,000,000)	$ (12,000,000)	$ (12,000,000)	$ (12,000,000)	$ 78,000,000	$ 78,000,000	$ 78,000,000	$ 48,000,000	$ 48,000,000	$ 48,000,000	$ 38,000,000

Priority Scale
1
2
3

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Inflated

2029	Total		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capital Projects - Scen 2 - 1A																	Capital Projects - Scen 2 - 1B
$ 21,390,274	$ 258,903,395	0.00%	12,251,200	13,858,900	14,417,300	14,998,300	15,602,700	16,231,600	16,885,700	17,392,300	17,914,000	18,451,400	19,005,000	19,575,100	20,162,400	20,767,300	21,390,300
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 21,390,274	$ 258,903,395		$ 12,251,200	$ 13,858,900	$ 14,417,300	$ 14,998,300	$ 15,602,700	$ 16,231,600	$ 16,885,700	$ 17,392,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300
$ 26,400,000	$ 522,410,240	4.00%	52,800,000	43,072,900	43,071,200	44,794,000	46,581,500	48,442,300	50,377,400	32,119,600	33,404,400	34,740,600	36,130,200	37,575,400	39,078,400	40,641,600	42,267,300
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 26,400,000	$ 522,410,240		$ 52,800,000	$ 43,072,900	$ 43,071,200	$ 44,794,000	$ 46,581,500	$ 48,442,300	$ 50,377,400	$ 32,119,600	$ 33,404,400	$ 34,740,600	$ 36,130,200	$ 37,575,400	$ 39,078,400	$ 40,641,600	$ 42,267,300
	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 44,060,000	$ 650,900,000	4.00%	34,060,000	44,060,000	44,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 44,060,000	$ 650,900,000		$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 45,822,400	$ 47,655,300	$ 49,561,500	$ 51,544,000	$ 53,605,700	$ 55,750,000	$ 57,980,000	$ 60,299,200	$ 62,711,100	$ 65,219,600	$ 67,828,300	$ 70,541,500
$ 2,000,000	$ 147,000,000	4.00%	2,000,000	5,000,000	5,000,000	5,200,000	5,408,000	5,624,300	5,849,300	42,582,900	44,286,200	46,057,600	2,737,100	2,846,600	2,960,500	3,078,900	3,202,100
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 2,000,000	$ 147,000,000		$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,200,000	$ 5,408,000	$ 5,624,300	$ 5,849,300	$ 42,582,900	$ 44,286,200	$ 46,057,600	$ 2,737,100	$ 2,846,600	$ 2,960,500	$ 3,078,900	$ 3,202,100
$ 3,000,000	$ 45,000,000	4.00%	1,000,000	5,000,000	3,000,000	3,120,000	3,244,800	3,374,600	3,509,600	3,650,000	3,796,000	3,947,800	4,105,700	4,269,900	4,440,700	4,618,400	4,803,100
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 3,000,000	$ 45,000,000		$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,120,000	$ 3,244,800	$ 3,374,600	$ 3,509,600	$ 3,650,000	$ 3,796,000	$ 3,947,800	$ 4,105,700	$ 4,269,900	$ 4,440,700	$ 4,618,400	$ 4,803,100
	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 96,850,274	**$ 1,624,213,635**		**$ 102,111,200**	**$ 110,991,800**	**$ 109,548,500**	**$ 113,934,700**	**$ 118,492,300**	**$ 123,234,300**	**$ 128,166,000**	**$ 149,350,500**	**$ 155,150,600**	**$ 161,177,400**	**$ 122,277,200**	**$ 126,978,100**	**$ 131,861,600**	**$ 136,934,500**	**$ 142,204,300**
Capital Projects - Scen 2 - 2A																	Capital Projects - Scen 2 - 2B
$ 25,110,322	$ 303,930,073	0.00%	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 25,110,322	$ 303,930,073		$ 14,381,800	$ 16,269,100	$ 16,924,700	$ 17,606,700	$ 18,316,300	$ 19,054,400	$ 19,822,300	$ 20,417,000	$ 21,029,500	$ 21,660,400	$ 22,310,200	$ 22,979,500	$ 23,668,900	$ 24,379,000	$ 25,110,300
$ 33,600,000	$ 664,881,760	4.00%	67,200,000	54,820,100	54,817,800	57,006,400	59,285,500	61,653,800	64,116,700	40,879,500	42,514,700	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700	53,794,700
12,000,000	$ 173,000,000	4.00%	5,000,000	12,000,000	12,000,000	12,480,000	12,979,200	13,498,400	14,038,300	14,599,800	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400
$ 45,600,000	$ 837,881,760		$ 72,200,000	$ 66,820,100	$ 66,817,800	$ 69,486,400	$ 72,264,700	$ 75,152,200	$ 78,155,000	$ 55,479,300	$ 57,698,500	$ 60,006,500	$ 62,406,700	$ 64,903,000	$ 67,499,100	$ 70,199,100	$ 73,007,100
$ 15,000,000	$ 210,000,000	4.00%	-	15,000,000	15,000,000	15,600,000	16,224,000	16,873,000	17,547,900	18,249,800	18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 15,000,000	$ 210,000,000		$ -	$ 15,000,000	$ 15,000,000	$ 15,600,000	$ 16,224,000	$ 16,873,000	$ 17,547,900	$ 18,249,800	$ 18,979,800	$ 19,739,000	$ 20,528,500	$ 21,349,700	$ 22,203,700	$ 23,091,800	$ 24,015,500
$ 90,660,000	$ 939,900,000	4.00%	30,660,000	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	110,301,800	114,713,800	119,302,400	124,074,500	129,037,400	134,198,900	139,566,900	145,149,600
-	$ 26,100,000	4.00%	-	4,300,000	4,300,000	4,472,000	4,650,900	4,836,900	5,381,300	-	-	-	-	-	-	-	-
$ 90,660,000	$ 966,000,000		$ 30,660,000	$ 34,960,000	$ 34,960,000	$ 36,358,400	$ 37,812,800	$ 39,325,200	$ 41,249,200	$ 110,301,800	$ 114,713,800	$ 119,302,400	$ 124,074,500	$ 129,037,400	$ 134,198,900	$ 139,566,900	$ 145,149,600
$ -	$ 115,000,000	4.00%	-	5,000,000	10,000,000	10,400,000	10,816,000	11,248,600	11,698,600	12,166,500	12,653,200	13,159,300	13,685,700	14,233,100	14,802,400	-	-
12,000,000																	
30,000,000	$ 460,000,000	4.00%	40,000,000	30,000,000	30,000,000	31,200,000	32,448,000	33,745,900	35,095,800	36,499,600	37,959,600	39,478,000	41,057,100	42,699,400	44,407,300	46,183,600	48,031,000
$ 42,000,000	$ 726,000,000		$ 40,000,000	$ 35,000,000	$ 40,000,000	$ 41,600,000	$ 43,264,000	$ 44,994,500	$ 46,794,400	$ 48,666,100	$ 50,612,800	$ 52,637,300	$ 54,742,800	$ 56,932,500	$ 59,209,700	$ 46,183,600	$ 48,031,000
$ 3,000,000	$ 45,000,000	4.00%	1,000,000	5,000,000	3,000,000	3,120,000	3,244,800	3,374,600	3,509,600	3,650,000	3,796,000	3,947,800	4,105,700	4,269,900	4,440,700	4,618,400	4,803,100
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 3,000,000	$ 45,000,000		$ 1,000,000	$ 5,000,000	$ 3,000,000	$ 3,120,000	$ 3,244,800	$ 3,374,600	$ 3,509,600	$ 3,650,000	$ 3,796,000	$ 3,947,800	$ 4,105,700	$ 4,269,900	$ 4,440,700	$ 4,618,400	$ 4,803,100
	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 221,370,322	**$ 3,088,811,833**		**$ 158,241,800**	**$ 173,049,200**	**$ 176,702,500**	**$ 183,771,500**	**$ 191,126,600**	**$ 198,773,900**	**$ 207,078,400**	**$ 256,764,000**	**$ 266,830,400**	**$ 277,293,400**	**$ 288,168,400**	**$ 299,472,000**	**$ 311,221,000**	**$ 308,038,800**	**$ 320,116,600**
$ 318,220,596	**$ 4,713,025,468**		**$ 260,353,000**	**$ 284,041,000**	**$ 286,251,000**	**$ 297,706,200**	**$ 309,618,900**	**$ 322,008,200**	**$ 335,244,400**	**$ 406,114,500**	**$ 421,981,000**	**$ 438,470,800**	**$ 410,445,600**	**$ 426,450,100**	**$ 443,082,600**	**$ 444,973,300**	**$ 462,320,900**

$ 21,390,300	$ 177,008,400
45,469,400	635,279,500
4,803,100	37,748,500
70,541,500	544,398,100
-	-
$ 96,062,000	$ 881,737,000
25,110,300	207,792,400
53,794,700	592,493,700
145,149,600	695,777,000
-	-
$ 462,320,900	$ 3,772,234,600

$ 416,000,000
$ 34,666,667

$ 46,320,900
$ 504,283,074
90.0%

$	52,500,596
	46,060,000
	147,660,000
	72,000,000
$	318,220,596
$	43,000,000

Name:
AMI and Increased Main Replacement

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Project	CIP Inflation	Priority Assignment	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Water Capital Projects																	Cap
Engineering and Administration																	
	Low	1	$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274
	Medium	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 12,251,180	$ 13,858,880	$ 14,417,320	$ 14,998,300	$ 15,602,740	$ 16,231,560	$ 16,885,680	$ 17,392,250	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274
Water Treatment Plant																	
	Medium	2	$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 40,869,400	$ 40,867,200	$ 40,865,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Treatment Plant			$ 52,800,000	$ 43,072,920	$ 43,071,160	$ 40,869,400	$ 40,867,200	$ 40,865,000	$ 43,062,800	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000	$ 26,400,000
Pumping Station																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Pumping Station			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Water Mains																	
	Medium	1	$ -	$ -	$ 10,000,000	$ 20,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Mains			$ -	$ -	$ 10,000,000	$ 20,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000	$ 30,000,000
Filtered Water Storage																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Filtered Water Storage			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Load Control Center Expansion																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Load Control Center Expansion			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution System																	
	Medium	4	$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Distribution System			$ 34,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000
Large Meter Replacement																	
	Medium	2	$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
	Medium	1	-	-	-	20,000,000	20,000,000	20,000,000	-	-	-	-	-	-	-	-	-
Subtotal Large Meter Replacement			$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000
Vehicles																	
	Medium	3	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
Other																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Water Capital Projects			**$ 102,111,180**	**$ 110,991,800**	**$ 120,548,480**	**$ 148,927,700**	**$ 159,529,940**	**$ 160,156,560**	**$143,008,480**	**$126,852,250**	**$127,374,018**	**$127,911,439**	**$125,464,981**	**$126,035,131**	**$126,622,385**	**$127,227,257**	**$ 127,850,274**
Wastewater Capital Projects																	Cap
Engineering and Administration																	
	Low	2	$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 14,381,820	$ 16,269,120	$ 16,924,680	$ 17,606,700	$ 18,316,260	$ 19,054,440	$ 19,822,320	$ 20,416,990	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322
Water Pollution Control Plant Improvements																	
	Medium	3	$ 67,200,000	$ 54,820,080	$ 54,817,840	$ 52,015,600	$ 52,012,800	$ 52,010,000	$ 54,807,200	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000	$ 33,600,000
	Medium	1	5,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
Subtotal Water Pollution Control Plant Improvements			$ 72,200,000	$ 66,820,080	$ 66,817,840	$ 64,015,600	$ 64,012,800	$ 64,010,000	$ 66,807,200	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000	$ 45,600,000
Storm Flood Relief																	
	Medium	1	$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Storm Flood Relief			$ -	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
Reconstruction of Old Sewers																	
	Medium	4	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000
	Medium	1	-	4,300,000	4,300,000	4,300,000	4,300,000	4,300,000	4,600,000	-	-	-	-	-	-	-	-
Subtotal Reconstruction of Old Sewers			$ 30,660,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 34,960,000	$ 45,260,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000
Green Infrastructure																	
	Medium	1	$ -	$ 5,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 5,000,000
	Medium	1	-	-	7,000,000	7,000,000	7,000,000	7,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
	Medium	1	40,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
Subtotal Green Infrastructure			$ 40,000,000	$ 35,000,000	$ 47,000,000	$ 47,000,000	$ 47,000,000	$ 47,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 47,000,000
Vehicles																	
	Medium	1	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000
Other																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Consent Decree/Wet Weather Plan Projects																	
	Medium	5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Consent Decree/Wet Weather Plan Projects			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Wastewater Capital Projects			**$ 158,241,820**	**$ 173,049,200**	**$ 184,702,520**	**$ 182,582,300**	**$ 183,289,060**	**$ 184,024,440**	**$202,889,520**	**$177,676,990**	**$178,289,499**	**$178,920,384**	**$179,570,196**	**$180,239,502**	**$180,928,887**	**$181,638,953**	**$177,370,322**
Total			**$ 260,353,000**	**$ 284,041,000**	**$ 305,251,000**	**$ 331,510,000**	**$ 342,819,000**	**$ 344,181,000**	**$345,898,000**	**$304,529,240**	**$305,663,517**	**$306,831,823**	**$305,035,177**	**$306,274,633**	**$307,551,272**	**$308,866,210**	**$ 305,220,596**
Water CIP Summary by Priority Level - Inflated																	
Level 1 Criticality		1	$ 12,251,200	$ 13,858,900	$ 25,233,300	$ 59,992,900	$ 74,095,700	$ 77,064,300	$ 54,845,300	$ 56,870,300	$ 58,971,100	$ 61,150,800	$ 63,412,300	$ 65,758,700	$ 68,193,400	$ 70,719,500	$ 73,340,600
Level 2 Criticality		2	54,800,000	49,995,800	51,993,800	51,596,800	53,658,100	55,801,800	60,814,800	41,320,300	42,973,000	44,692,000	42,038,900	43,720,500	45,469,400	47,288,000	49,179,700
Level 3 Criticality		3	1,000,000	5,200,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	6,660,300	6,926,700
Level 4 Criticality		4	34,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500	73,363,100	76,297,700
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wastewater CIP Summary by Priority Level - Inflated																	
Level 1 Criticality		1	$ 46,000,000	$ 74,152,000	$ 89,015,700	$ 92,576,300	$ 96,279,400	$ 100,130,500	$110,842,000	$109,222,400	$113,591,200	$118,134,800	$122,860,200	$127,774,500	$132,885,700	$138,201,100	$ 135,070,700
Level 2 Criticality		2	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
Level 3 Criticality		3	67,200,000	57,012,900	59,291,000	58,510,500	60,847,600	63,278,100	69,348,600	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700	53,794,700	55,946,500	58,184,300
Level 4 Criticality		4	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	37,302,600	51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000	67,701,900	70,410,000
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIP			$ 260,353,000	$ 294,197,500	$ 327,602,100	$ 368,832,500	$ 395,288,400	$ 411,104,000	$427,932,200	$388,794,800	$403,968,200	$419,737,500	$431,685,100	$448,539,200	$466,055,700	$484,259,400	$ 494,520,000
Total Net Funding Requirement			$ 183,778,426	$ 270,000,000	$ 292,000,000	$ 320,000,000	$ 330,000,000	$ 330,000,000	$330,000,000	$395,000,000	$410,000,000	$425,000,000	$400,000,000	$415,000,000	$430,000,000	$435,000,000	$ 450,000,000
Estimated Monthly Spending			$ 15,314,869	$ 22,500,000	$ 24,333,333	$ 26,666,667	$ 27,500,000	$ 27,500,000	$ 27,500,000	$ 32,916,667	$ 34,166,667	$ 35,416,667	$ 33,333,333	$ 34,583,333	$ 35,833,333	$ 36,250,000	$ 37,500,000
Annual Balance of Appropriations			$ 76,574,574	$ 24,197,500	$ 35,602,100	$ 48,832,500	$ 65,288,400	$ 81,104,000	$ 97,932,200	$ (6,205,200)	$ (6,031,800)	$ (5,262,500)	$ 31,685,100	$ 33,539,200	$ 36,055,700	$ 49,259,400	$ 44,520,000
Cumulative Balance of Appropriations			$ 76,574,574	$ 100,772,074	$ 136,374,174	$ 185,206,674	$ 250,495,074	$ 331,599,074	$429,531,274	$423,326,074	$417,294,274	$412,031,774	$443,716,874	$477,256,074	$513,311,774	$562,571,174	$ 607,091,174
Expenses/Appropriations			70.6%	91.8%	89.1%	86.8%	83.5%	80.3%	77.1%	101.6%	101.5%	101.3%	92.7%	92.5%	92.3%	89.8%	91.0%

Admin & Vehicles	$ 28,633,000	$ 40,128,000	$ 39,342,000	$ 40,605,000	$ 41,919,000	$ 43,286,000	$ 44,708,000	$ 45,809,240	$ 46,943,517	$ 48,111,823	$ 49,315,177	$ 50,554,633	$ 51,831,272	$ 53,146,210	$ 54,500,596
Conveyance	36,060,000	49,060,000	49,060,000	69,060,000	69,060,000	69,060,000	49,060,000	49,060,000	49,060,000	49,060,000	46,060,000	46,060,000	46,060,000	46,060,000	46,060,000
Collectors	70,660,000	84,960,000	96,960,000	96,960,000	96,960,000	96,960,000	112,260,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	107,660,000	102,660,000
Improvements to Treatment Plants	125,000,000	109,893,000	109,889,000	104,885,000	104,880,000	104,875,000	109,870,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000	72,000,000
Total	$ 260,353,000	$ 284,041,000	$ 295,251,000	$ 311,510,000	$ 312,819,000	$ 314,181,000	$ 315,898,000	$ 274,529,240	$ 275,663,517	$ 276,831,823	$ 275,035,177	$ 276,274,633	$ 277,551,272	$ 278,866,210	$ 275,220,596
Comparison with Scenario 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Priority Scale
1
2
3

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Inflated

Total		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
ital Projects - Scen 3 - 1A																Capital Projects - Scen 3 - 1B
$ 258,903,395	0.00%	12,251,200	13,858,900	14,417,300	14,998,300	15,602,700	16,231,600	16,885,700	17,392,300	17,914,000	18,451,400	19,005,000	19,575,100	20,162,400	20,767,300	21,390,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 258,903,395		$ 12,251,200	$ 13,858,900	$ 14,417,300	$ 14,998,300	$ 15,602,700	$ 16,231,600	$ 16,885,700	$ 17,392,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300
$ 515,808,480	4.00%	52,800,000	44,795,800	46,585,800	45,972,500	47,808,800	49,718,500	54,488,200	34,740,600	36,130,200	37,575,400	39,078,400	40,641,600	42,267,300	43,957,900	45,716,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 515,808,480		$ 52,800,000	$ 44,795,800	$ 46,585,800	$ 45,972,500	$ 47,808,800	$ 49,718,500	$ 54,488,200	$ 34,740,600	$ 36,130,200	$ 37,575,400	$ 39,078,400	$ 40,641,600	$ 42,267,300	$ 43,957,900	$ 45,716,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 360,000,000	4.00%	-	-	10,816,000	22,497,300	35,095,800	36,499,600	37,959,600	39,478,000	41,057,100	42,699,400	44,407,300	46,183,600	48,031,000	49,952,200	51,950,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 360,000,000		$ -	$ -	$ 10,816,000	$ 22,497,300	$ 35,095,800	$ 36,499,600	$ 37,959,600	$ 39,478,000	$ 41,057,100	$ 42,699,400	$ 44,407,300	$ 46,183,600	$ 48,031,000	$ 49,952,200	$ 51,950,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 650,900,000	4.00%	34,060,000	45,822,400	47,655,300	49,561,500	51,544,000	53,605,700	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500	73,363,100	76,297,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 650,900,000		$ 34,060,000	$ 45,822,400	$ 47,655,300	$ 49,561,500	$ 51,544,000	$ 53,605,700	$ 55,750,000	$ 57,980,000	$ 60,299,200	$ 62,711,100	$ 65,219,600	$ 67,828,300	$ 70,541,500	$ 73,363,100	$ 76,297,700
$ 57,000,000	4.00%	2,000,000	5,200,000	5,408,000	5,624,300	5,849,300	6,083,300	6,326,600	6,579,700	6,842,800	7,116,600	2,960,500	3,078,900	3,202,100	3,330,100	3,463,400
$ 60,000,000	4.00%	-	-	-	22,497,300	23,397,200	24,333,100	-	-	-	-	-	-	-	-	-
$ 117,000,000		$ 2,000,000	$ 5,200,000	$ 5,408,000	$ 28,121,600	$ 29,246,500	$ 30,416,400	$ 6,326,600	$ 6,579,700	$ 6,842,800	$ 7,116,600	$ 2,960,500	$ 3,078,900	$ 3,202,100	$ 3,330,100	$ 3,463,400
$ 58,000,000	4.00%	1,000,000	5,200,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	6,660,300	6,926,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 58,000,000		$ 1,000,000	$ 5,200,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100	$ 6,660,300	$ 6,926,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 1,960,611,875		**$ 102,111,200**	**$ 114,877,100**	**$ 129,208,800**	**$ 165,650,700**	**$ 183,977,200**	**$ 191,338,400**	**$ 176,471,400**	**$ 161,434,300**	**$ 167,717,600**	**$ 174,247,100**	**$ 176,591,800**	**$ 183,465,300**	**$ 190,608,400**	**$ 198,030,900**	**$ 205,744,700**
ital Projects - Scen 3 - 2A																Capital Projects - Scen 3 - 2B
$ 303,930,073	0.00%	14,381,800	16,269,100	16,924,700	17,606,700	18,316,300	19,054,400	19,822,300	20,417,000	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 303,930,073		$ 14,381,800	$ 16,269,100	$ 16,924,700	$ 17,606,700	$ 18,316,300	$ 19,054,400	$ 19,822,300	$ 20,417,000	$ 21,029,500	$ 21,660,400	$ 22,310,200	$ 22,979,500	$ 23,668,900	$ 24,379,000	$ 25,110,300
$ 656,483,520	4.00%	67,200,000	57,012,900	59,291,000	58,510,500	60,847,600	63,278,100	69,348,600	44,215,300	45,983,900	47,823,300	49,736,200	51,725,700	53,794,700	55,946,500	58,184,300
$ 173,000,000	4.00%	5,000,000	12,480,000	12,979,200	13,498,400	14,038,300	14,599,800	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400	19,980,900	20,780,100
$ 829,483,520		$ 72,200,000	$ 69,492,900	$ 72,270,200	$ 72,008,900	$ 74,885,900	$ 77,877,900	$ 84,532,400	$ 60,006,500	$ 62,406,700	$ 64,903,000	$ 67,499,100	$ 70,199,100	$ 73,007,100	$ 75,927,400	$ 78,964,400
$ 210,000,000	4.00%	-	15,600,000	16,224,000	16,873,000	17,547,900	18,249,800	18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500	24,976,100	25,975,100
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 210,000,000		$ -	$ 15,600,000	$ 16,224,000	$ 16,873,000	$ 17,547,900	$ 18,249,800	$ 18,979,800	$ 19,739,000	$ 20,528,500	$ 21,349,700	$ 22,203,700	$ 23,091,800	$ 24,015,500	$ 24,976,100	$ 25,975,100
$ 549,900,000	4.00%	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	37,302,600	51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000	67,701,900	70,410,000
$ 26,100,000	4.00%	-	4,472,000	4,650,900	4,836,900	5,030,400	5,231,600	5,820,500	-	-	-	-	-	-	-	-
$ 576,000,000		$ 30,660,000	$ 36,358,400	$ 37,812,800	$ 39,325,200	$ 40,898,300	$ 42,534,200	$ 57,268,400	$ 53,505,800	$ 55,646,000	$ 57,871,900	$ 60,186,700	$ 62,594,200	$ 65,098,000	$ 67,701,900	$ 70,410,000
$ 130,000,000	4.00%	-	5,200,000	10,816,000	11,248,600	11,698,600	12,166,500	12,653,200	13,159,300	13,685,700	14,233,100	14,802,400	15,394,500	16,010,300	16,650,700	8,658,400
$ 136,000,000	4.00%	-	-	7,571,200	7,874,000	8,189,000	8,516,600	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400	19,980,900	20,780,100
$ 460,000,000	4.00%	40,000,000	31,200,000	32,448,000	33,745,900	35,095,800	36,499,600	37,959,600	39,478,000	41,057,100	42,699,400	44,407,300	46,183,600	48,031,000	49,952,200	51,950,300
$ 726,000,000		$ 40,000,000	$ 36,400,000	$ 50,835,200	$ 52,868,500	$ 54,983,400	$ 57,182,700	$ 65,796,600	$ 68,428,500	$ 71,165,600	$ 74,012,200	$ 76,972,600	$ 80,051,500	$ 83,253,700	$ 86,583,800	$ 81,388,800
$ 58,000,000	4.00%	1,000,000	5,200,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100	6,660,300	6,926,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 58,000,000		$ 1,000,000	$ 5,200,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100	$ 6,660,300	$ 6,926,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 2,703,413,593		**$ 158,241,800**	**$ 179,320,400**	**$ 198,393,300**	**$ 203,181,800**	**$ 211,311,200**	**$ 219,765,600**	**$ 251,460,800**	**$ 227,360,500**	**$ 236,250,600**	**$ 245,490,400**	**$ 255,093,300**	**$ 265,073,900**	**$ 275,447,300**	**$ 286,228,500**	**$ 288,775,300**
$ 4,664,025,468		**$ 260,353,000**	**$ 294,197,500**	**$ 327,602,100**	**$ 368,832,500**	**$ 395,288,400**	**$ 411,104,000**	**$ 427,932,200**	**$ 388,794,800**	**$ 403,968,200**	**$ 419,737,500**	**$ 431,685,100**	**$ 448,539,200**	**$ 466,055,700**	**$ 484,259,400**	**$ 494,520,000**

$ 557,746,100
549,685,300
51,985,400
584,208,800
-

$ 1,072,804,500
207,792,400
623,247,400
482,025,400
-

$ 4,129,495,300

Name:
Proposed 2017 to 2022 CIP Budget

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Project	CIP Inflation	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total	Inflation Factor	2015
Water Capital Projects							Capital Projects - Scen 4 - 1A										Capital Projects - Scen 4 - 1A		
Engineering and Administration																			
	Low	$ 12,251,180	$ 13,858,880	$ 15,789,500	$ 16,263,300	$ 16,750,900	$ 17,253,680	$ 17,771,180	$ 18,304,320	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274	$ 265,508,425	0.00%	12,251,180
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Engineering and Administration		$ 12,251,180	$ 13,858,880	$ 15,789,500	$ 16,263,300	$ 16,750,900	$ 17,253,680	$ 17,771,180	$ 18,304,320	$ 17,914,018	$ 18,451,439	$ 19,004,981	$ 19,575,131	$ 20,162,385	$ 20,767,257	$ 21,390,274	$ 265,508,425		$ 12,251,180
Water Treatment Plant																			
	Medium	$ 52,800,000	$ 43,072,920	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 656,432,920	4.00%	52,800,000
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Water Treatment Plant		$ 52,800,000	$ 43,072,920	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 43,120,000	$ 656,432,920		$ 52,800,000
Pumping Station																			
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Pumping Station		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Water Mains																			
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Water Mains		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Filtered Water Storage																			
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Filtered Water Storage		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Load Control Center Expansion																			
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Load Control Center Expansion		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Distribution System																			
	Medium	$ 34,060,000	$ 44,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 662,900,000	4.00%	34,060,000
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Distribution System		$ 34,060,000	$ 44,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 46,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 44,060,000	$ 662,900,000		$ 34,060,000
Large Meter Replacement																			
	Medium	$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 57,000,000	4.00%	2,000,000
	Medium	-	-	-	20,000,000	20,000,000	20,000,000	-	-	-	-	-	-	-	-	-	$ 60,000,000	4.00%	-
Subtotal Large Meter Replacement		$ 2,000,000	$ 5,000,000	$ 5,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 5,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 117,000,000		$ 2,000,000
Vehicles																			
	Medium	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 58,000,000	4.00%	1,000,000
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Vehicles		$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 58,000,000		$ 1,000,000
Other																			
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Total Water Capital Projects		**$ 102,111,180**	**$ 110,991,800**	**$ 113,969,500**	**$ 134,443,300**	**$ 134,930,900**	**$ 135,433,680**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**$114,570,274**	**##############**		**$102,111,180**

Wastewater Capital Projects		Capital Projects - Scen 4 - 2A															Capital Projects - Scen 4 - 2A		
Engineering and Administration																			
	Low	$ 14,381,820	$ 16,269,120	$ 18,535,500	$ 19,091,700	$ 19,664,100	$ 20,254,320	$ 20,861,820	$ 21,487,680	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322	$ 311,683,803	0.00%	14,381,820
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Engineering and Administration		$ 14,381,820	$ 16,269,120	$ 18,535,500	$ 19,091,700	$ 19,664,100	$ 20,254,320	$ 20,861,820	$ 21,487,680	$ 21,029,499	$ 21,660,384	$ 22,310,196	$ 22,979,502	$ 23,668,887	$ 24,378,953	$ 25,110,322	$ 311,683,803		$ 14,381,820
Water Pollution Control Plant Improvements																			
	Medium	$ 67,200,000	$ 54,820,080	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 54,880,000	$ 835,460,080	4.00%	67,200,000
	Medium	5,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	$ 173,000,000	4.00%	5,000,000
Subtotal Water Pollution Control Plant Improvements		$ 72,200,000	$ 66,820,080	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	$ 66,880,000	##############		$ 72,200,000
Storm Flood Relief																			
	Medium	$ -	$ 15,000,000	$ 15,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 195,000,000	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Storm Flood Relief		$ -	$ 15,000,000	$ 15,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 195,000,000		$ -
Reconstruction of Old Sewers																			
Sewer Reconstruction	Medium	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 30,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 529,900,000	4.00%	30,660,000
Inctercepter Rehab	Medium	-	4,300,000	4,340,000	4,340,000	4,340,000	4,340,000	4,600,000	-	-	-	-	-	-	-	-	$ 26,260,000	4.00%	-
Subtotal Reconstruction of Old Sewers		$ 30,660,000	$ 34,960,000	$ 35,000,000	$ 35,000,000	$ 35,000,000	$ 35,000,000	$ 35,260,000	$ 30,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 40,660,000	$ 556,160,000		$ 30,660,000
Green Infrastructure																			
Stream Restoration	Medium	$ -	$ 5,000,000	$ 10,000,000	$ -	$ -	$ -	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 5,000,000	$ 100,000,000	4.00%	-
	Medium	-	-	7,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	$ 187,000,000	4.00%	-
Green Infrastructure	Medium	40,000,000	30,000,000	30,000,000	37,000,000	37,000,000	37,000,000	37,000,000	37,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	$ 495,000,000	4.00%	40,000,000
Subtotal Green Infrastructure		$ 40,000,000	$ 35,000,000	$ 47,000,000	$ 52,000,000	$ 52,000,000	$ 52,000,000	$ 62,000,000	$ 62,000,000	$ 55,000,000	$ 55,000,000	$ 55,000,000	$ 55,000,000	$ 55,000,000	$ 55,000,000	$ 50,000,000	$ 782,000,000		$ 40,000,000
Vehicles																			
	Medium	$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 58,000,000	4.00%	1,000,000
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Vehicles		$ 1,000,000	$ 5,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 58,000,000		$ 1,000,000

Other																											
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Consent Decree/Wet Weather Plan Projects																											
	Medium	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	4.00%	-
	Medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	4.00%	-
Subtotal Consent Decree/Wet Weather Plan Projects		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -
Total Wastewater Capital Projects		**$ 158,241,820**	**$ 173,049,200**	**$ 186,415,500**	**$ 186,971,700**	**$ 187,544,100**	**$ 188,134,320**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**$201,650,322**	**##############**		**$158,241,820**

Combined System	Capital Projects - Scen 4 - 3A															Capital Projects - Scen 4 - 3A	
Total	**$ 260,353,000**	**$ 284,041,000**	**$ 300,385,000**	**$ 321,415,000**	**$ 322,475,000**	**$ 323,568,000**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**############**	**$316,220,596**	**##############**	**$260,353,000**
Total CIP Inflated	$ 260,353,000	$ 284,041,000	$ 300,385,000	$ 332,857,400	$ 345,817,500	$ 359,286,600	############	############	############	############	############	############	############	############	$478,331,100	##############	
Total Net Funding Requirement	$ 174,108,714	$ 242,552,674	$ 282,000,000	$ 300,000,000	$ 300,000,000	$ 300,000,000	############	############	############	############	############	############	############	############	$430,000,000		
Estimated Monthly Spending	$ 14,509,060	$ 20,212,723	$ 23,500,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 25,000,000	$ 28,250,000	$ 29,250,000	$ 30,416,667	$ 31,333,333	$ 32,500,000	$ 33,750,000	$ 35,083,333	$ 35,833,333		
	0.668740956																
Annual Balance of Appropriations	$ 86,244,286	$ 41,488,326	$ 18,385,000	$ 32,857,400	$ 45,817,500	$ 59,286,600	$ 67,737,600	$ 37,464,200	$ 39,348,100	$ 40,572,500	$ 41,288,500	$ 43,566,800	$ 45,484,000	$ 47,064,900	$ 48,331,100		
Cumulative Balance of Appropriations	$ 86,244,286	$ 127,732,612	$ 146,117,612	$ 178,975,012	$ 224,792,512	$ 284,079,112	############	############	############	############	############	############	############	############	$694,936,812		
Expenses/Appropriations	66.9%	85.4%	93.9%	90.1%	86.8%	83.5%	81.6%	90.0%	89.9%	90.0%	90.1%	90.0%	89.9%	89.9%	89.9%		
Admin & Vehicles	$ 28,633,000	$ 40,128,000	$ 42,325,000	$ 43,355,000	$ 44,415,000	$ 45,508,000	$ 46,633,000	$ 47,792,000	$ 46,943,517	$ 48,111,823	$ 49,315,177	$ 50,554,633	$ 51,831,272	$ 53,146,210	$ 54,500,596		
Conveyance	36,060,000	49,060,000	51,060,000	71,060,000	71,060,000	71,060,000	51,060,000	51,060,000	49,060,000	49,060,000	46,060,000	46,060,000	46,060,000	46,060,000	46,060,000		
Collectors	70,660,000	84,960,000	97,000,000	97,000,000	97,000,000	97,000,000	112,260,000	107,660,000	110,660,000	110,660,000	110,660,000	110,660,000	110,660,000	110,660,000	105,660,000		
Improvements to Treatment Plants	125,000,000	109,893,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000	110,000,000		
Total	$ 260,353,000	$ 284,041,000	$ 300,385,000	$ 321,415,000	$ 322,475,000	$ 323,568,000	############	############	############	############	############	############	############	############	$316,220,596		
Comparison with Scenario 1	$ -	$ -	$ 5,134,000	$ 9,905,000	$ 9,656,000	$ 9,387,000	$ 4,055,000	$ 41,982,760	$ 41,000,000	$ 41,000,000	$ 41,000,000	$ 41,000,000	$ 41,000,000	$ 41,000,000	$ 41,000,000		

Priority Scale
1
2
3

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Inflated

Project	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Water Capital Projects					Capital Projects - Scen 4 - 1B								Capital Projects - Scen 4 - 1B	
Engineering and Administration														
	13,858,880	15,789,500	16,263,300	16,750,900	17,253,700	17,771,200	18,304,300	17,914,000	18,451,400	19,005,000	19,575,100	20,162,400	20,767,300	21,390,300
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administratio	$ 13,858,880	$ 15,789,500	$ 16,263,300	$ 16,750,900	$ 17,253,700	$ 17,771,200	$ 18,304,300	$ 17,914,000	$ 18,451,400	$ 19,005,000	$ 19,575,100	$ 20,162,400	$ 20,767,300	$ 21,390,300
Water Treatment Plant														
	43,072,920	43,120,000	44,844,800	46,638,600	48,504,100	50,444,300	52,462,100	54,560,600	56,743,000	59,012,700	61,373,200	63,828,100	66,381,300	69,036,500
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Treatment Plant	$ 43,072,920	$ 43,120,000	$ 44,844,800	$ 46,638,600	$ 48,504,100	$ 50,444,300	$ 52,462,100	$ 54,560,600	$ 56,743,000	$ 59,012,700	$ 61,373,200	$ 63,828,100	$ 66,381,300	$ 69,036,500
Pumping Station														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Pumping Station	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Water Mains														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Mains	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Filtered Water Storage														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Filtered Water Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Load Control Center Expansion														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Load Control Center Expansior	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution System														
	44,060,000	46,060,000	47,902,400	49,818,500	51,811,200	53,883,700	56,039,000	55,750,000	57,980,000	60,299,200	62,711,100	65,219,600	67,828,300	70,541,500
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Distribution System	$ 44,060,000	$ 46,060,000	$ 47,902,400	$ 49,818,500	$ 51,811,200	$ 53,883,700	$ 56,039,000	$ 55,750,000	$ 57,980,000	$ 60,299,200	$ 62,711,100	$ 65,219,600	$ 67,828,300	$ 70,541,500
Large Meter Replacement														
	5,000,000	5,000,000	5,200,000	5,408,000	5,624,300	5,849,300	6,083,300	6,326,600	6,579,700	2,737,100	2,846,600	2,960,500	3,078,900	3,202,100
	-	-	20,800,000	21,632,000	22,497,300	-	-	-	-	-	-	-	-	-
Subtotal Large Meter Replacement	$ 5,000,000	$ 5,000,000	$ 26,000,000	$ 27,040,000	$ 28,121,600	$ 5,849,300	$ 6,083,300	$ 6,326,600	$ 6,579,700	$ 2,737,100	$ 2,846,600	$ 2,960,500	$ 3,078,900	$ 3,202,100
Vehicles														
	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles	$ 5,000,000	$ 4,000,000	$ 4,160,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100
Other														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Water Capital Projects	**$110,991,800**	**$113,969,500**	**$139,170,500**	**$144,574,400**	**$150,190,100**	**$132,627,900**	**$137,755,300**	**$139,612,500**	**$145,017,800**	**$146,528,300**	**$152,199,200**	**$158,091,600**	**$164,213,600**	**$170,574,500**

Wastewater Capital Projects	Capital Projects - Scen 4 - 2B													Capital Projects - Scen 4 - 2B
Engineering and Administration														
	16,269,120	18,535,500	19,091,700	19,664,100	20,254,300	20,861,800	21,487,700	21,029,500	21,660,400	22,310,200	22,979,500	23,668,900	24,379,000	25,110,300
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administratio	$ 16,269,120	$ 18,535,500	$ 19,091,700	$ 19,664,100	$ 20,254,300	$ 20,861,800	$ 21,487,700	$ 21,029,500	$ 21,660,400	$ 22,310,200	$ 22,979,500	$ 23,668,900	$ 24,379,000	$ 25,110,300
Water Pollution Control Plant Improvements														
	54,820,080	54,880,000	57,075,200	59,358,200	61,732,500	64,201,800	66,769,900	69,440,700	72,218,300	75,107,100	78,111,400	81,235,800	84,485,200	87,864,600
	12,000,000	12,000,000	12,480,000	12,979,200	13,498,400	14,038,300	14,599,800	15,183,800	15,791,200	16,422,800	17,079,700	17,762,900	18,473,400	19,212,400
Subtotal Water Pollution Control Plant	$ 66,820,080	$ 66,880,000	$ 69,555,200	$ 72,337,400	$ 75,230,900	$ 78,240,100	$ 81,369,700	$ 84,624,500	$ 88,009,500	$ 91,529,900	$ 95,191,100	$ 98,998,700	$102,958,600	$107,077,000
Storm Flood Relief														
	15,000,000	15,000,000	10,400,000	10,816,000	11,248,600	17,547,900	18,249,800	18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Storm Flood Relief	$ 15,000,000	$ 15,000,000	$ 10,400,000	$ 10,816,000	$ 11,248,600	$ 17,547,900	$ 18,249,800	$ 18,979,800	$ 19,739,000	$ 20,528,500	$ 21,349,700	$ 22,203,700	$ 23,091,800	$ 24,015,500
Reconstruction of Old Sewers														
Sewer Reconstruction	30,660,000	30,660,000	31,886,400	33,161,900	34,488,300	35,867,900	37,302,600	51,447,900	53,505,800	55,646,000	57,871,900	60,186,700	62,594,200	65,098,000
Inctercepter Rehab	4,300,000	4,340,000	4,513,600	4,694,100	4,881,900	5,381,300	-	-	-	-	-	-	-	-
Subtotal Reconstruction of Old Sewers	$ 34,960,000	$ 35,000,000	$ 36,400,000	$ 37,856,000	$ 39,370,200	$ 41,249,200	$ 37,302,600	$ 51,447,900	$ 53,505,800	$ 55,646,000	$ 57,871,900	$ 60,186,700	$ 62,594,200	$ 65,098,000
Green Infrastructure														
Stream Restoration	5,000,000	10,000,000	-	-	-	11,698,600	12,166,500	12,653,200	13,159,300	13,685,700	14,233,100	14,802,400	15,394,500	8,005,200
	-	7,000,000	15,600,000	16,224,000	16,873,000	17,547,900	18,249,800	18,979,800	19,739,000	20,528,500	21,349,700	22,203,700	23,091,800	24,015,500
Green Infrastructure	30,000,000	30,000,000	38,480,000	40,019,200	41,620,000	43,284,800	45,016,200	37,959,600	39,478,000	41,057,100	42,699,400	44,407,300	46,183,600	48,031,000
Subtotal Green Infrastructure	$ 35,000,000	$ 47,000,000	$ 54,080,000	$ 56,243,200	$ 58,493,000	$ 72,531,300	$ 75,432,500	$ 69,592,600	$ 72,376,300	$ 75,271,300	$ 78,282,200	$ 81,413,400	$ 84,669,900	$ 80,051,700
Vehicles														
	5,000,000	4,000,000	4,160,000	4,326,400	4,499,500	4,679,400	4,866,600	5,061,300	5,263,700	5,474,300	5,693,200	5,921,000	6,157,800	6,404,100
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles	$ 5,000,000	$ 4,000,000	$ 4,160,000	$ 4,326,400	$ 4,499,500	$ 4,679,400	$ 4,866,600	$ 5,061,300	$ 5,263,700	$ 5,474,300	$ 5,693,200	$ 5,921,000	$ 6,157,800	$ 6,404,100

Other															
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Consent Decree/Wet Weather Plan Projects															
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Consent Decree/Wet Weather	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Wastewater Capital Projects	**$173,049,200**	**$186,415,500**	**$193,686,900**	**$201,243,100**	**$209,096,500**	**$235,109,700**	**$238,708,900**	**$250,735,600**	**$260,554,700**	**$270,760,200**	**$281,367,600**	**$292,392,400**	**$303,851,300**	**$307,756,600**	

Combined System														
					Capital Projects - Scen 4 - 3B									Capital Projects - Scen 4 - 3B
Total	**$284,041,000**	**$300,385,000**	**$332,857,400**	**$345,817,500**	**$359,286,600**	**$367,737,600**	**$376,464,200**	**$390,348,100**	**$405,572,500**	**$417,288,500**	**$433,566,800**	**$450,484,000**	**$468,064,900**	**$478,331,100**
Total CIP Inflated														
Total Net Funding Requirement														
Estimated Monthly Spending														
Annual Balance of Appropriations														
Cumulative Balance of Appropriations														
Expenses/Appropriations														
Admin & Vehicles														
Conveyance														
Collectors														
Improvements to Treatment Plants														
Total														
Comparison with Scenario 1														

Name:
Option 5

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Project	CIP Inflation	Priority Assignment	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Water Capital Projects																	Cap
Engineering and Administration																	
	Low	1	$ 8,647,884	$ 13,173,794	$ 13,770,264	$ 14,444,127	$ 14,963,356	$ 15,498,926	$ 16,035,885	$ 23,187,197	$ 24,694,334	$ 26,327,603	$ 25,497,967	$ 27,207,892	$ 28,984,885	$ 29,788,130	$ 32,331,715
	Medium	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 8,647,884	$ 13,173,794	$ 13,770,264	$ 14,444,127	$ 14,963,356	$ 15,498,926	$ 16,035,885	$ 23,187,197	$ 24,694,334	$ 26,327,603	$ 25,497,967	$ 27,207,892	$ 28,984,885	$ 29,788,130	$ 32,331,715
Water Treatment Plant																	
	Medium	2	$ 37,270,555	$ 40,943,696	$ 41,138,107	$ 39,359,314	$ 39,192,504	$ 39,020,501	$ 40,895,606	$ 35,196,251	$ 36,392,193	$ 37,669,080	$ 35,419,469	$ 36,693,923	$ 37,951,907	$ 37,867,621	$ 39,903,990
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Treatment Plant			$ 37,270,555	$ 40,943,696	$ 41,138,107	$ 39,359,314	$ 39,192,504	$ 39,020,501	$ 40,895,606	$ 35,196,251	$ 36,392,193	$ 37,669,080	$ 35,419,469	$ 36,693,923	$ 37,951,907	$ 37,867,621	$ 39,903,990
Pumping Station																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Pumping Station			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Water Mains																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Water Mains			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Filtered Water Storage																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Filtered Water Storage			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Load Control Center Expansion																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Load Control Center Expansion			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution System																	
	Medium	4	$ 24,042,332	$ 41,881,982	$ 42,082,567	$ 42,432,025	$ 42,254,467	$ 42,071,290	$ 41,842,620	$ 58,740,410	$ 60,736,365	$ 62,867,411	$ 59,112,948	$ 61,239,933	$ 63,339,432	$ 63,198,765	$ 66,597,341
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Distribution System			$ 24,042,332	$ 41,881,982	$ 42,082,567	$ 42,432,025	$ 42,254,467	$ 42,071,290	$ 41,842,620	$ 58,740,410	$ 60,736,365	$ 62,867,411	$ 59,112,948	$ 61,239,933	$ 63,339,432	$ 63,198,765	$ 66,597,341
Large Meter Replacement																	
	Medium	2	$ 1,411,763	$ 4,752,835	$ 4,775,598	$ 4,815,255	$ 4,795,105	$ 4,774,318	$ 4,748,368	$ 6,665,957	$ 6,892,461	$ 7,134,295	$ 2,683,293	$ 2,779,843	$ 2,875,144	$ 2,868,759	$ 3,023,030
	Medium	1	-	-	-	19,261,019	19,180,421	19,097,272	-	-	-	-	-	-	-	-	-
Subtotal Large Meter Replacement			$ 1,411,763	$ 4,752,835	$ 4,775,598	$ 24,076,274	$ 23,975,526	$ 23,871,590	$ 4,748,368	$ 6,665,957	$ 6,892,461	$ 7,134,295	$ 2,683,293	$ 2,779,843	$ 2,875,144	$ 2,868,759	$ 3,023,030
Vehicles																	
	Medium	3	$ 705,882	$ 4,752,835	$ 3,820,478	$ 3,852,204	$ 3,836,084	$ 3,819,454	$ 3,798,695	$ 5,332,765	$ 5,513,969	$ 5,707,436	$ 5,366,586	$ 5,559,685	$ 5,750,289	$ 5,737,518	$ 6,046,059
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 705,882	$ 4,752,835	$ 3,820,478	$ 3,852,204	$ 3,836,084	$ 3,819,454	$ 3,798,695	$ 5,332,765	$ 5,513,969	$ 5,707,436	$ 5,366,586	$ 5,559,685	$ 5,750,289	$ 5,737,518	$ 6,046,059
Other																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Water Capital Projects			**$ 72,078,416**	**$ 105,505,142**	**$ 105,587,014**	**$ 124,163,943**	**$ 124,221,937**	**$ 124,281,761**	**$ 107,321,173**	**$ 129,122,579**	**$ 134,229,321**	**$ 139,705,826**	**$ 128,080,264**	**$ 133,481,275**	**$ 138,901,657**	**$ 139,460,793**	**$ 147,902,136**
Wastewater Capital Projects																	Cap
Engineering and Administration																	
	Low	2	$ 10,151,864	$ 15,464,889	$ 16,165,093	$ 16,956,149	$ 17,565,679	$ 18,194,391	$ 18,824,735	$ 27,219,754	$ 28,989,000	$ 30,906,316	$ 29,932,398	$ 31,939,700	$ 34,025,735	$ 34,968,673	$ 37,954,623
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Engineering and Administration			$ 10,151,864	$ 15,464,889	$ 16,165,093	$ 16,956,149	$ 17,565,679	$ 18,194,391	$ 18,824,735	$ 27,219,754	$ 28,989,000	$ 30,906,316	$ 29,932,398	$ 31,939,700	$ 34,025,735	$ 34,968,673	$ 37,954,623
Water Pollution Control Plant Improvements																	
	Medium	3	$ 47,435,252	$ 52,110,159	$ 52,357,590	$ 50,093,673	$ 49,881,369	$ 49,662,456	$ 52,048,953	$ 44,795,228	$ 46,317,337	$ 47,942,465	$ 45,079,325	$ 46,701,356	$ 48,302,427	$ 48,195,154	$ 50,786,897
	Medium	1	3,529,409	11,406,804	11,461,435	11,556,611	11,508,252	11,458,363	11,396,084	15,998,296	16,541,906	17,122,309	16,099,759	16,679,056	17,250,867	17,212,555	18,138,177
Subtotal Water Pollution Control Plant Improvements			$ 50,964,661	$ 63,516,963	$ 63,819,025	$ 61,650,284	$ 61,389,621	$ 61,120,819	$ 63,445,036	$ 60,793,524	$ 62,859,243	$ 65,064,774	$ 61,179,083	$ 63,380,412	$ 65,553,294	$ 65,407,709	$ 68,925,074
Storm Flood Relief																	
	Medium	1	$ -	$ 14,258,505	$ 14,326,793	$ 14,445,764	$ 14,385,315	$ 14,322,954	$ 14,245,104	$ 19,997,870	$ 20,677,383	$ 21,402,886	$ 20,124,698	$ 20,848,820	$ 21,563,583	$ 21,515,694	$ 22,672,722
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Storm Flood Relief			$ -	$ 14,258,505	$ 14,326,793	$ 14,445,764	$ 14,385,315	$ 14,322,954	$ 14,245,104	$ 19,997,870	$ 20,677,383	$ 21,402,886	$ 20,124,698	$ 20,848,820	$ 21,563,583	$ 21,515,694	$ 22,672,722
Reconstruction of Old Sewers																	
	Medium	4	$ 21,642,334	$ 29,144,384	$ 29,283,965	$ 29,527,142	$ 29,403,585	$ 29,276,118	$ 38,613,730	$ 54,207,559	$ 56,049,492	$ 58,016,090	$ 54,551,349	$ 56,514,200	$ 58,451,687	$ 58,321,874	$ 61,458,191
	Medium	1	-	4,087,438	4,107,014	4,141,119	4,123,790	4,105,913	4,368,499	-	-	-	-	-	-	-	-
Subtotal Reconstruction of Old Sewers			$ 21,642,334	$ 33,231,822	$ 33,390,979	$ 33,668,261	$ 33,527,375	$ 33,382,031	$ 42,982,228	$ 54,207,559	$ 56,049,492	$ 58,016,090	$ 54,551,349	$ 56,514,200	$ 58,451,687	$ 58,321,874	$ 61,458,191
Green Infrastructure																	
	Medium	1	$ -	$ 4,752,835	$ 9,551,195	$ 9,630,509	$ 9,590,210	$ 9,548,636	$ 9,496,736	$ 13,331,913	$ 13,784,922	$ 14,268,591	$ 13,416,466	$ 13,899,213	$ 14,375,722	$ 14,343,796	$ 7,557,574
	Medium	1	-	-	6,685,837	6,741,357	6,713,147	6,684,045	11,396,084	15,998,296	16,541,906	17,122,309	16,099,759	16,679,056	17,250,867	17,212,555	18,138,177
	Medium	1	28,235,269	28,517,010	28,653,586	28,891,528	28,770,631	28,645,908	28,490,209	39,995,740	41,354,765	42,805,772	40,249,397	41,697,639	43,127,167	43,031,388	45,345,444
Subtotal Green Infrastructure			$ 28,235,269	$ 33,269,845	$ 44,890,618	$ 45,263,394	$ 45,073,988	$ 44,878,589	$ 49,383,029	$ 69,325,949	$ 71,681,593	$ 74,196,672	$ 69,765,621	$ 72,275,908	$ 74,753,756	$ 74,587,739	$ 71,041,195
Vehicles																	
	Medium	1	$ 705,882	$ 4,752,835	$ 3,820,478	$ 3,852,204	$ 3,836,084	$ 3,819,454	$ 3,798,695	$ 5,332,765	$ 5,513,969	$ 5,707,436	$ 5,366,586	$ 5,559,685	$ 5,750,289	$ 5,737,518	$ 6,046,059
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Vehicles			$ 705,882	$ 4,752,835	$ 3,820,478	$ 3,852,204	$ 3,836,084	$ 3,819,454	$ 3,798,695	$ 5,332,765	$ 5,513,969	$ 5,707,436	$ 5,366,586	$ 5,559,685	$ 5,750,289	$ 5,737,518	$ 6,046,059
Other																	
	Medium	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Other			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Consent Decree/Wet Weather Plan Projects																	
	Medium	5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Medium	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Consent Decree/Wet Weather Plan Projects			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Wastewater Capital Projects			**$ 111,700,010**	**$ 164,494,858**	**$ 176,412,986**	**$ 175,836,057**	**$ 175,778,063**	**$ 175,718,239**	**$192,678,827**	**$236,877,421**	**$245,770,679**	**$255,294,174**	**$240,919,736**	**$250,518,725**	**$260,098,343**	**$260,539,207**	**$268,097,864**
Total			**$ 183,778,426**	**$ 270,000,000**	**$ 282,000,000**	**$ 300,000,000**	**$ 300,000,000**	**$ 300,000,000**	**$300,000,000**	**$366,000,000**	**$380,000,000**	**$395,000,000**	**$369,000,000**	**$384,000,000**	**$399,000,000**	**$400,000,000**	**$416,000,000**
Water CIP Summary by Priority Level - Inflated																	
Level 1 Criticality		1	$ 8,647,900	$ 13,173,800	$ 13,770,300	$ 36,110,100	$ 37,401,800	$ 38,733,700	$ 16,035,900	$ 23,187,200	$ 24,694,300	$ 26,327,600	$ 25,498,000	$ 27,207,900	$ 28,984,900	$ 29,788,100	$ 32,331,700
Level 2 Criticality		2	38,682,400	47,524,300	49,660,300	49,690,400	51,459,300	53,283,100	57,754,200	55,087,800	59,238,000	63,769,100	56,401,400	60,768,000	65,365,400	67,829,100	74,335,700
Level 3 Criticality		3	705,900	4,942,900	4,132,200	4,333,200	4,487,700	4,647,000	4,806,600	7,017,600	7,546,200	8,123,500	7,943,900	8,558,900	9,206,400	9,553,400	10,469,800
Level 4 Criticality		4	24,042,300	43,557,300	45,516,500	47,730,300	49,431,700	51,186,200	52,944,300	77,298,400	83,121,900	89,479,900	87,501,600	94,276,100	101,408,500	105,230,600	115,325,000
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wastewater CIP Summary by Priority Level - Inflated																	
Level 1 Criticality		1	$ 32,470,600	$ 70,486,300	$ 85,020,600	$ 89,155,600	$ 92,334,000	$ 95,611,200	$105,263,700	$145,614,400	$156,584,500	$168,562,000	$164,835,100	$177,596,700	$191,032,800	$198,232,900	$204,161,500
Level 2 Criticality		2	10,151,900	15,464,900	16,165,100	16,956,100	17,565,700	18,194,400	18,824,700	27,219,800	28,989,000	30,906,300	29,932,400	31,939,700	34,025,700	34,968,700	37,954,600
Level 3 Criticality		3	47,435,300	54,194,600	56,630,000	56,348,600	58,354,100	60,422,000	65,858,500	58,947,500	63,388,500	68,237,100	66,728,400	71,894,600	77,333,700	80,248,500	87,946,500
Level 4 Criticality		4	21,642,300	30,310,200	31,673,500	33,214,000	34,398,000	35,618,900	48,858,700	71,333,400	76,707,600	82,575,000	80,749,300	87,001,000	93,583,000	97,110,200	106,425,700
Level 5 Criticality		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIP			$ 183,778,600	$ 279,654,300	$ 302,568,500	$ 333,538,300	$ 345,432,300	$ 357,696,500	$370,346,600	$465,706,100	$500,270,000	$537,980,500	$519,590,100	$559,242,900	$600,940,400	$622,961,500	$668,950,500
Total Net Funding Requirement			$ 183,778,426	$ 270,000,000	$ 292,000,000	$ 320,000,000	$ 330,000,000	$ 330,000,000	$330,000,000	$395,000,000	$410,000,000	$425,000,000	$400,000,000	$415,000,000	$430,000,000	$435,000,000	$450,000,000
Estimated Monthly Spending			$ 15,314,869	$ 22,500,000	$ 24,333,333	$ 26,666,667	$ 27,500,000	$ 27,500,000	$ 27,500,000	$ 32,916,667	$ 34,166,667	$ 35,416,667	$ 33,333,333	$ 34,583,333	$ 35,833,333	$ 36,250,000	$ 37,500,000
			$ 174	$ 9,654,300	$ 10,568,500	$ 13,538,300	$ 15,432,300	$ 27,696,500	$ 40,346,600	$ 70,706,100	$ 90,270,000	$112,980,500	$119,590,100	$144,242,900	$170,940,400	$187,961,500	$ 218,950,500
			$ 174	$ 9,654,474	$ 20,222,974	$ 33,761,274	$ 49,193,574	$ 76,890,074	$117,236,674	$187,942,774	$278,212,774	$391,193,274	$510,783,374	$655,026,274	$825,966,674	###########	###########

Priority Scale
1
2
3

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Inflated

Total		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
ital Projects - Scen 5 - 1A																Capital Projects - Scen 5 - 1B
$ 314,553,958	0.00%	8,647,900	13,173,800	13,770,300	14,444,100	14,963,400	15,498,900	16,035,900	23,187,200	24,694,300	26,327,600	25,498,000	27,207,900	28,984,900	29,788,100	32,331,700
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 314,553,958		$ 8,647,900	$ 13,173,800	$ 13,770,300	$ 14,444,100	$ 14,963,400	$ 15,498,900	$ 16,035,900	$ 23,187,200	$ 24,694,300	$ 26,327,600	$ 25,498,000	$ 27,207,900	$ 28,984,900	$ 29,788,100	$ 32,331,700
$ 574,914,717	4.00%	37,270,600	42,581,400	44,495,000	44,273,900	45,849,700	47,474,400	51,746,000	46,315,900	49,805,200	53,614,800	52,429,500	56,488,600	60,762,200	63,052,400	69,100,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 574,914,717		$ 37,270,600	$ 42,581,400	$ 44,495,000	$ 44,273,900	$ 45,849,700	$ 47,474,400	$ 51,746,000	$ 46,315,900	$ 49,805,200	$ 53,614,800	$ 52,429,500	$ 56,488,600	$ 60,762,200	$ 63,052,400	$ 69,100,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 772,439,887	4.00%	24,042,300	43,557,300	45,516,500	47,730,300	49,431,700	51,186,200	52,944,300	77,298,400	83,121,900	89,479,900	87,501,600	94,276,100	101,408,500	105,230,600	115,325,000
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 772,439,887		$ 24,042,300	$ 43,557,300	$ 45,516,500	$ 47,730,300	$ 49,431,700	$ 51,186,200	$ 52,944,300	$ 77,298,400	$ 83,121,900	$ 89,479,900	$ 87,501,600	$ 94,276,100	$ 101,408,500	$ 105,230,600	$ 115,325,000
$ 64,996,024	4.00%	1,411,800	4,942,900	5,165,300	5,416,500	5,609,600	5,808,700	6,008,200	8,771,900	9,432,800	10,154,300	3,971,900	4,279,400	4,603,200	4,776,700	5,234,900
$ 57,538,711	4.00%	-	-	-	21,666,000	22,438,400	23,234,800	-	-	-	-	-	-	-	-	-
$ 122,534,735		$ 1,411,800	$ 4,942,900	$ 5,165,300	$ 27,082,500	$ 28,048,000	$ 29,043,500	$ 6,008,200	$ 8,771,900	$ 9,432,800	$ 10,154,300	$ 3,971,900	$ 4,279,400	$ 4,603,200	$ 4,776,700	$ 5,234,900
$ 69,599,940	4.00%	705,900	4,942,900	4,132,200	4,333,200	4,487,700	4,647,000	4,806,600	7,017,600	7,546,200	8,123,500	7,943,900	8,558,900	9,206,400	9,553,400	10,469,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 69,599,940		$ 705,900	$ 4,942,900	$ 4,132,200	$ 4,333,200	$ 4,487,700	$ 4,647,000	$ 4,806,600	$ 7,017,600	$ 7,546,200	$ 8,123,500	$ 7,943,900	$ 8,558,900	$ 9,206,400	$ 9,553,400	$ 10,469,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 1,854,043,237		**$ 72,078,500**	**$ 109,198,300**	**$ 113,079,300**	**$ 137,864,000**	**$ 142,780,500**	**$ 147,850,000**	**$ 131,541,000**	**$ 162,591,000**	**$ 174,600,400**	**$ 187,700,100**	**$ 177,344,900**	**$ 190,810,900**	**$ 204,965,200**	**$ 212,401,200**	**$ 232,462,200**
ital Projects - Scen 5 - 2A																Capital Projects - Scen 5 - 2B
$ 369,258,995	0.00%	10,151,900	15,464,900	16,165,100	16,956,100	17,565,700	18,194,400	18,824,700	27,219,800	28,989,000	30,906,300	29,932,400	31,939,700	34,025,700	34,968,700	37,954,600
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 369,258,995		$ 10,151,900	$ 15,464,900	$ 16,165,100	$ 16,956,100	$ 17,565,700	$ 18,194,400	$ 18,824,700	$ 27,219,800	$ 28,989,000	$ 30,906,300	$ 29,932,400	$ 31,939,700	$ 34,025,700	$ 34,968,700	$ 37,954,600
$ 731,709,640	4.00%	47,435,300	54,194,600	56,630,000	56,348,600	58,354,100	60,422,000	65,858,500	58,947,500	63,388,500	68,237,100	66,728,400	71,894,600	77,333,700	80,248,500	87,946,500
$ 207,359,882	4.00%	3,529,400	11,863,100	12,396,700	12,999,600	13,463,000	13,940,900	14,419,700	21,052,700	22,638,700	24,370,400	23,831,600	25,676,600	27,619,200	28,660,200	31,409,500
$ 939,069,522		$ 50,964,700	$ 66,057,700	$ 69,026,700	$ 69,348,200	$ 71,817,100	$ 74,362,900	$ 80,278,200	$ 80,000,200	$ 86,027,200	$ 92,607,500	$ 90,560,000	$ 97,571,200	$ 104,952,900	$ 108,908,700	$ 119,356,000
$ 254,788,092	4.00%	-	14,828,800	15,495,900	16,249,500	16,828,800	17,426,100	18,024,600	26,315,800	28,298,400	30,463,000	29,789,500	32,095,800	34,524,000	35,825,200	39,261,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 254,788,092		$ -	$ 14,828,800	$ 15,495,900	$ 16,249,500	$ 16,828,800	$ 17,426,100	$ 18,024,600	$ 26,315,800	$ 28,298,400	$ 30,463,000	$ 29,789,500	$ 32,095,800	$ 34,524,000	$ 35,825,200	$ 39,261,800
$ 664,461,700	4.00%	21,642,300	30,310,200	31,673,500	33,214,000	34,398,000	35,618,900	48,858,700	71,333,400	76,707,600	82,575,000	80,749,300	87,001,000	93,583,000	97,110,200	106,425,700
$ 24,933,774	4.00%	-	4,250,900	4,442,100	4,658,200	4,824,300	4,995,500	5,527,500	-	-	-	-	-	-	-	-
$ 689,395,474		$ 21,642,300	$ 34,561,100	$ 36,115,600	$ 37,872,200	$ 39,222,300	$ 40,614,400	$ 54,386,200	$ 71,333,400	$ 76,707,600	$ 82,575,000	$ 80,749,300	$ 87,001,000	$ 93,583,000	$ 97,110,200	$ 106,425,700
$ 157,548,319	4.00%	-	4,942,900	10,330,600	10,833,000	11,219,200	11,617,400	12,016,400	17,543,900	18,865,600	20,308,700	19,859,600	21,397,200	23,016,000	23,883,500	13,087,300
$ 173,263,394	4.00%	-	-	7,231,400	7,583,100	7,853,400	8,132,200	14,419,700	21,052,700	22,638,700	24,370,400	23,831,600	25,676,600	27,619,200	28,660,200	31,409,500
$ 537,811,453	4.00%	28,235,300	29,657,700	30,991,700	32,499,000	33,657,600	34,852,100	36,049,200	52,631,700	56,596,900	60,926,000	59,578,900	64,191,600	69,048,000	71,650,400	78,523,600
$ 868,623,166		$ 28,235,300	$ 34,600,600	$ 48,553,700	$ 50,915,100	$ 52,730,200	$ 54,601,700	$ 62,485,300	$ 91,228,300	$ 98,101,200	$ 105,605,100	$ 103,270,100	$ 111,265,400	$ 119,683,200	$ 124,194,100	$ 123,020,400
$ 69,599,940	4.00%	705,900	4,942,900	4,132,200	4,333,200	4,487,700	4,647,000	4,806,600	7,017,600	7,546,200	8,123,500	7,943,900	8,558,900	9,206,400	9,553,400	10,469,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ 69,599,940		$ 705,900	$ 4,942,900	$ 4,132,200	$ 4,333,200	$ 4,487,700	$ 4,647,000	$ 4,806,600	$ 7,017,600	$ 7,546,200	$ 8,123,500	$ 7,943,900	$ 8,558,900	$ 9,206,400	$ 9,553,400	$ 10,469,800
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -	4.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 3,190,735,189		**$ 111,700,100**	**$ 170,456,000**	**$ 189,489,200**	**$ 195,674,300**	**$ 202,651,800**	**$ 209,846,500**	**$ 238,805,600**	**$ 303,115,100**	**$ 325,669,600**	**$ 350,280,400**	**$ 342,245,200**	**$ 368,432,000**	**$ 395,975,200**	**$ 410,560,300**	**$ 436,488,300**
$ 5,044,778,426		**$ 183,778,600**	**$ 279,654,300**	**$ 302,568,500**	**$ 333,538,300**	**$ 345,432,300**	**$ 357,696,500**	**$ 370,346,600**	**$ 465,706,100**	**$ 500,270,000**	**$ 537,980,500**	**$ 519,590,100**	**$ 559,242,900**	**$ 600,940,400**	**$ 622,961,500**	**$ 668,950,500**

$ 263,580,600	
582,550,300	
58,686,700	
651,810,400	
-	
$ 1,205,938,000	
230,370,300	
656,544,600	
547,080,900	
-	
$ 4,196,561,800	

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Water System Cash Flow

CF Data - 1

			2015	2016	2017	2018	2019	2020	2021
Revenue Fund									
Water Service - Existing Rates			$ 258,012	$ 258,670	$ 258,979	$ 258,992	$ 259,227	$ 259,698	$ 260,169
Total Service Revenue - Existing Rates			$ 258,012	$ 258,670	$ 258,979	$ 258,992	$ 259,227	$ 259,698	$ 260,169
Additional Service Revenue Required									
Fiscal Year	% Increase	Months Effective							
2015	0.00%	6	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2016	0.00%	12		-	-	-	-	-	-
2017	5.00%	12			12,949	12,950	12,961	12,985	13,008
2018	5.00%	12				13,597	13,609	13,634	13,659
2019	4.00%	12					11,432	11,453	11,473
2020	4.00%	12						11,911	11,932
2021	5.50%	12							17,063
Total Additional Service Revenue Required			$ -	$ -	$ 12,949	$ 26,547	$ 38,003	$ 49,983	$ 67,136
Other Income									
Other Operating Revenue			$ 14,341	$ 12,164	$ 11,904	$ 4,820	$ 11,568	$ 4,172	$ 3,839
Debt Reserve Fund Interest Income			-	-	-	-	-	-	-
Operating Fund Interest Income			141	115	167	158	184	190	196
Rate Stabilization Interest Income			273	235	193	182	171	181	189
Project Revenues			$ 272,767	$ 271,184	$ 284,193	$ 290,699	$ 309,152	$ 314,224	$ 331,529
Operating Expense									
Water Operations			$ (96,801)	$ (95,002)	$ (97,082)	$ (99,753)	$ (104,929)	$ (107,834)	$ (110,663)
Direct Interdepartmental Charges			(62,112)	(67,354)	(69,097)	(70,886)	(75,144)	(76,991)	(79,349)
Water Treatment Plant Sludge			(10,448)	(10,453)	(10,952)	(11,678)	(12,309)	(12,998)	(14,041)
Total Operating Expense			$ (169,361)	$ (172,810)	$ (177,130)	$ (182,317)	$ (192,382)	$ (197,823)	$ (204,052)

Net Revenues							
Transfer from/(to) Rate Stabilization Fund	$ (3,690)	$ 24,900	$ (1,900)	$ 8,100	$ (1,900)	$ (3,700)	$ (900)
Net Revenues	$ 99,716	$ 123,274	$ 105,163	$ 116,482	$ 114,871	$ 112,701	$ 126,577
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Bonds	$ (75,345)	$ (80,287)	$ (58,467)	$ (58,726)	$ (43,435)	$ (31,824)	$ (32,765)
Pennvest Parity Bonds	(5,722)	(5,722)	(5,722)	(6,065)	(6,091)	(6,016)	(6,016)
Projected Future Bonds	-	(4,103)	(5,792)	(11,597)	(20,811)	(28,942)	(35,773)
Total Senior Debt Service	$ (81,067)	$ (90,112)	$ (69,981)	$ (76,389)	$ (70,337)	$ (66,782)	$ (74,553)
Subordinate Debt Service							
Outstanding General Obligation Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Pennvest Subordinate Bonds							
Projected Future Bonds	-	-	-	-	-	-	-
Total Subordinate Debt Service	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Debt Service on Bonds	(81,067)	(90,112)	(69,981)	(76,389)	(70,337)	(66,782)	(74,553)
Capital Account Deposit	$ (8,498)	$ (8,711)	$ (8,929)	$ (9,152)	$ (9,381)	$ (9,615)	$ (9,856)
End of Year Balance (Transfer to Residual Fund)	$ 10,151	$ 24,451	$ 26,253	$ 30,942	$ 35,153	$ 36,303	$ 42,168

Residual Fund								
Beginning Balance	$ 9,876	$ 6,056	$ 17,650	$ 35,298	$ 55,603	$ 75,491	$ 98,106	
Plus:								
End of Year Revenue Fund Balance	10,151	24,451	26,253	30,942	35,153	36,303	42,168	
Deposit for Transfer to City General Fund	308	313	315	317	304	304	322	
Interest Income	29	43	95	163	236	312	399	
Less:								
Transfer to Construction Fund	(14,000)	(12,900)	(8,700)	(10,800)	(15,500)	(14,000)	(16,600)	
Transfer to City General Fund	(308)	(313)	(315)	(317)	(304)	(304)	(322)	
Transfer to Debt Service Reserve Fund	-	-	-	-	-	-	-	
Ending Balance	$ 6,056	$ 17,650	$ 35,298	$ 55,603	$ 75,491	$ 98,106	$ 124,073	
Rate Stabilization Fund								
Beginning Balance	$ 73,918	$ 77,608	$ 52,708	$ 54,608	$ 46,508	$ 48,408	$ 52,108	
Transfer to/from Revenue Fund	3,690	(24,900)	1,900	(8,100)	1,900	3,700	900	
Ending Balance	$ 77,608	$ 52,708	$ 54,608	$ 46,508	$ 48,408	$ 52,108	$ 53,008	
Debt Service Coverage								
Net Revenues for Coverage	$ 99,716	$ 123,274	$ 105,163	$ 116,482	$ 114,871	$ 112,701	$ 126,577	
Total Senior Debt Service Coverage	**1.23**	**1.36**	**1.50**	**1.52**	**1.63**	**1.68**	**1.69**	0.9004344
Total Senior Debt Service Coverage - Current Revenue	**1.23**	**1.09**	**1.50**	**1.41**	**1.63**	**1.68**	**1.69**	$ 94,692.00
Total Debt Service Coverage	**1.11**	**1.25**	**1.33**	**1.36**	**1.44**	**1.48**	**1.50**	##########

Wastewater System Cash Flow

CF Data - 2

Revenue Fund									
Wastewater Service - Existing Rates			$ 390,651	$ 390,696	$ 390,070	$ 388,913	$ 387,868	$ 386,994	$ 386,109
Total Service Revenue - Existing Rates			$ 390,651	$ 390,696	$ 390,070	$ 388,913	$ 387,868	$ 386,994	$ 386,109
Additional Service Revenue Required									
Fiscal Year	% Increase	Months Effective							
2015	0.00%	6	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2016	0.00%	12		-	-	-	-	-	-
2017	5.70%	12			22,234	22,168	22,108	22,059	22,008
2018	5.70%	12				23,432	23,369	23,316	23,263
2019	5.20%	12					22,534	22,483	22,432
2020	5.20%	12						23,652	23,598
2021	5.60%	12							26,735
Total Additional Service Revenue Required			$ -	$ -	$ 22,234	$ 45,600	$ 68,011	$ 91,510	$ 118,036
Other Income									
Other Operating Revenue			$ 12,727	$ 10,798	$ 10,521	$ 1,488	$ 13,671	$ 622	$ 150
Debt Reserve Fund Interest Income			-	-	-	-	-	-	-
Operating Fund Interest Income			234	213	230	227	293	279	294
Rate Stabilization Interest Income			431	441	382	288	251	263	253
Project Revenues			$ 404,042	$ 402,148	$ 423,436	$ 436,516	$ 470,094	$ 479,668	$ 504,841
Operating Expense									
Wastewater Operations			$ (154,712)	$ (150,814)	(153,658)	$ (157,388)	$ (169,193)	$ (173,857)	$ (178,440)
Direct Interdepartmental Charges			(89,282)	(96,603)	(99,081)	(101,655)	(108,457)	(111,175)	(114,609)
Water Treatment Plant Sludge			10,448	10,453	10,952	11,678	12,309	12,998	14,041
Total Operating Expense			$ (233,547)	$ (236,964)	$ (241,788)	$ (247,365)	$ (265,341)	$ (272,034)	$ (279,008)

Net Revenues							
Transfer from Rate Stabilization Fund	$ (17,720)	$ 12,000	$ 21,200	$ 30,900	$ (10,400)	$ 3,600	$ 2,100
Net Revenues after Operations	$ 152,775	$ 177,184	$ 202,848	$ 220,052	$ 194,353	$ 211,235	$ 227,933
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Bonds	$ (117,582)	$ (118,314)	$ (123,113)	$ (124,043)	$ (89,839)	$ (90,533)	$ (89,780)
Pennvest Parity Bonds	(6,621)	(6,621)	(6,621)	(6,862)	(7,029)	(7,058)	(7,058)
Projected Future Bonds	-	(5,666)	(7,999)	(15,694)	(28,702)	(38,784)	(49,518)
Total Senior Debt Service	$ (124,204)	$ (130,601)	$ (137,733)	$ (146,598)	$ (125,570)	$ (136,376)	$ (146,356)
Subordinate Debt Service							
Outstanding General Obligation Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Pennvest Subordinate Bonds							
Projected Future Bonds	-	-	-	-	-	-	-
Total Subordinate Debt Service	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Debt Service on Bonds	(124,204)	(130,601)	(137,733)	(146,598)	(125,570)	(136,376)	(146,356)
Capital Account Deposit	$ (12,199)	$ (12,504)	$ (12,817)	$ (13,137)	$ (13,466)	$ (13,802)	$ (14,147)
End of Year Balance (Transfer to Residual Fund)	$ 16,373	$ 34,079	$ 52,298	$ 60,316	$ 55,317	$ 61,057	$ 67,429

Residual Fund							
Beginning Balance	$ 15,399	$ 9,116	$ 24,354	$ 55,095	$ 90,573	$ 115,461	$ 142,681
Plus:							
End of Year Revenue Fund Balance	16,373	34,079	52,298	60,316	55,317	61,057	67,429
Deposit for Transfer to City General Fund	468	475	478	480	457	454	483
Interest Income	44	60	143	262	370	464	567
Less:							
Transfer to Construction Fund	(22,700)	(18,900)	(21,700)	(25,100)	(30,800)	(34,300)	(37,600)
Transfer to City General Fund	(468)	(475)	(478)	(480)	(457)	(454)	(483)
Transfer to Debt Service Reserve Fund	-	-	-	-	-	-	-
Ending Balance	$ 9,116	$ 24,354	$ 55,095	$ 90,573	$ 115,461	$ 142,681	$ 173,077
Rate Stabilization Fund							
Beginning Balance	$ 110,878	$ 128,598	$ 116,598	$ 95,398	$ 64,498	$ 74,898	$ 71,298
Transfer to/from Revenue Fund	17,720	(12,000)	(21,200)	(30,900)	10,400	(3,600)	(2,100)
Ending Balance	$ 128,598	$ 116,598	$ 95,398	$ 64,498	$ 74,898	$ 71,298	$ 69,198
Debt Service Coverage							
Net Revenues for Coverage	$ 152,775	$ 177,184	$ 202,848	$ 220,052	$ 194,353	$ 211,235	$ 227,933
Total Senior Debt Service Coverage	**1.23**	**1.35**	**1.47**	**1.50**	**1.54**	**1.54**	**1.55**
Total Senior Debt Service Coverage - Current Revenue	**1.23**	**1.26**	**1.31**	**1.29**	**1.54**	**1.52**	**1.54**
Total Debt Service Coverage	**1.12**	**1.24**	**1.35**	**1.38**	**1.40**	**1.41**	**1.42**

Combined System Cash Flow

CF Data - 3

Revenue Fund									
Water Service - Existing Rates			$ 258,012	$ 258,670	$ 258,979	$ 258,992	$ 259,227	$ 259,698	$ 260,169
Wastewater Service - Existing Rates			390,651	390,696	390,070	388,913	387,868	386,994	386,109
Total Service Revenue - Existing Rates			$ 648,663	$ 649,366	$ 649,049	$ 647,905	$ 647,095	$ 646,692	$ 646,278
Additional Service Revenue Required									
Fiscal Year	% Increase	Months Effective							
2015	0.00%	6	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2016	0.00%	12		-	-	-	-	-	-
2017	5.42%	12			35,183	35,118	35,070	35,044	35,017
2018	5.42%	12				37,029	36,978	36,950	36,922
2019	4.72%	12					33,966	33,936	33,905
2020	4.73%	12						35,563	35,531
2021	5.56%	12							43,798
Total Additional Service Revenue Required			$ -	$ -	$ 35,183	$ 72,146	$ 106,014	$ 141,493	$ 185,172
Other Income									
Other Operating Revenue			$ 27,068	$ 22,962	$ 22,425	$ 6,308	$ 25,239	$ 4,794	$ 3,989
Debt Reserve Fund Interest Income			-	-	-	-	-	-	-
Operating Fund Interest Income			374	328	397	385	477	469	490
Rate Stabilization Interest Income			704	676	575	470	422	444	442
Project Revenues			$ 676,809	$ 673,332	$ 707,629	$ 727,215	$ 779,247	$ 793,892	$ 836,370
Operating Expense									
Water & Wastewater Operations			$ (251,514)	$ (245,816)	$ (250,740)	$ (257,141)	$ (274,122)	$ (281,690)	$ (289,103)
Direct Interdepartmental Charges			(151,394)	(163,957)	(168,178)	(172,541)	(183,601)	(188,166)	(193,958)
Water Treatment Plant Sludge			-	-	-	-	-	-	-
Total Operating Expense			$ (402,908)	$ (409,773)	$ (418,918)	$ (429,682)	$ (457,723)	$ (469,856)	$ (483,061)

Net Revenues							
Transfer from Rate Stabilization Fund	(21,410)	36,900	19,300	39,000	(12,300)	(100)	1,200
Net Revenues	$ 252,491	$ 300,458	$ 308,010	$ 336,534	$ 309,223	$ 323,936	$ 354,509
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Revenue Bonds	$ (192,927)	$ (198,602)	$ (181,580)	$ (182,769)	$ (133,274)	$ (122,358)	$ (122,545)
Pennvest Parity Bonds	(12,343)	(12,343)	(12,343)	(12,927)	(13,120)	(13,074)	(13,074)
Projected Future Revenue Bonds	-	(9,769)	(13,791)	(27,291)	(49,512)	(67,727)	(85,291)
Total Senior Debt Service	$ (205,270)	$ (220,713)	$ (207,715)	$ (222,986)	$ (195,907)	$ (203,158)	$ (220,910)
Subordinate Debt Service							
Outstanding General Obligation Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Pennvest Subordinate Bonds	-	-	-	-	-	-	-
Projected Future Bonds	-	-	-	-	-	-	-
Total Subordinate Debt Service	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Debt Service on Bonds	$ (205,270)	$ (220,713)	$ (207,715)	$ (222,986)	$ (195,907)	$ (203,158)	$ (220,910)
Capital Account Deposit	$ (20,697)	$ (21,215)	$ (21,745)	$ (22,289)	$ (22,846)	$ (23,417)	$ (24,003)
End of Year Balance (Transfer to Residual Fund)	$ 26,524	$ 58,530	$ 78,551	$ 91,258	$ 90,470	$ 97,360	$ 109,597

Residual Fund							
Beginning Balance	$ 25,275	$ 15,172	$ 42,004	$ 90,393	$ 146,176	$ 190,952	$ 240,787
Plus:							
End of Year Revenue Fund Balance	26,524	58,530	78,551	91,258	90,470	97,360	109,597
Deposit for Transfer to City General Fund	776	789	793	797	762	758	804
Interest Income	73	103	238	425	606	776	967
Less:							
Transfer to Construction Fund	(36,700)	(31,800)	(30,400)	(35,900)	(46,300)	(48,300)	(54,200)
Transfer to City General Fund	(776)	(789)	(793)	(797)	(762)	(758)	(804)
Transfer to Debt Service Reserve Fund	-	-	-	-	-	-	-
Ending Balance	$ 15,172	$ 42,004	$ 90,393	$ 146,176	$ 190,952	$ 240,787	$ 297,150
Rate Stabilization Fund							
Beginning Balance	$ 184,796	$ 206,206	$ 169,306	$ 150,006	$ 111,006	$ 123,306	$ 123,406
Transfer to/from Revenue Fund	21,410	(36,900)	(19,300)	(39,000)	12,300	100	(1,200)
Ending Balance	$ 206,206	$ 169,306	$ 150,006	$ 111,006	$ 123,306	$ 123,406	$ 122,206
Debt Service Coverage							
Net Revenues for Coverage	$ 252,491	$ 300,458	$ 308,010	$ 336,534	$ 309,223	$ 323,936	$ 354,509
Total Senior Debt Service Coverage	**1.23**	**1.36**	**1.48**	**1.50**	**1.57**	**1.59**	**1.60**
Total Senior Debt Service Coverage - Current Revenue	**1.23**	**1.19**	**1.38**	**1.33**	**1.57**	**1.59**	**1.59**
Total Debt Service Coverage	**1.12**	**1.24**	**1.34**	**1.37**	**1.41**	**1.43**	**1.45**

Wastewater System
2

al Plan Dashboard - Wastewater System

CHECK

Rate Stabilization Fund							
Combined	$ 206,206	$ 169,306	$ 150,006	$ 111,006	$ 123,306	$ 123,406	$ 122,206

Water	$ 77,608	$ 52,708	$ 54,608	$ 46,508	$ 48,408	$ 52,108	$ 53,008
Wastewater	$ 128,598	$ 116,598	$ 95,398	$ 64,498	$ 74,898	$ 71,298	$ 69,198
Residual Fund							
Combined	$ 15,172	$ 42,004	$ 90,393	$ 146,176	$ 190,952	$ 240,787	$ 297,150
Water	$ 6,056	$ 17,650	$ 35,298	$ 55,603	$ 75,491	$ 98,106	$ 124,073
Wastewater	$ 9,116	$ 24,354	$ 55,095	$ 90,573	$ 115,461	$ 142,681	$ 173,077
Rate Stabilization Fund - CHECK WITH FUNDS WORKSHEET							
Combined	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0
Residual Fund - CHECK WITH FUNDS WORKSHEET							
Combined	(0)	(0)	(0)	(0)	(0)	(0)	-
Water	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Wastewater	(0)	(0)	(0)	(0)	(0)	-	-

Fund Cashflow Projections

Fund Balance Graph Toggle

Rate Stabilization and Residual

Fund Balances	2015	2016	2017	2018
Construction	$ 426,507,197	$ 238,163,781	$ 282,739,794	$ 315,590,719
Rate Stabilization	$ 206,206,000	$ 169,306,000	$ 150,006,000	$ 111,006,000
Debt Reserve	$ 219,119,509	$ 219,119,509	$ 221,392,655	$ 221,392,655
Residual	15,171,737	42,004,409	90,392,806	146,175,959

Description	2015	2016	2017	2018
Combined Utility Funds				
Projected Flow of Funds - Construction Fund				
Construction Funds Available				
Beginning Balance	$ 241,647,000	$ 426,507,197	$ 238,163,781	$ 282,739,794
Transfer from Revenue Bond Proceeds	308,638,000	-	270,000,000	275,000,000
PENNVest Loan Proceeds	-	-	-	-
General Obligation Bonds	-	-	-	-
Non-City Sources	371,242	-	7,155,293	-
Grants	-			
Transfer from Residual Fund (Cash Financing)	36,700,000	31,800,000	30,400,000	35,900,000
Capital Account Deposit	20,697,000	21,215,000	21,745,375	22,289,009
Interest	1,200,517	1,194,258	935,942	1,075,060
Total Funds Available	$ 609,253,759	$ 480,716,455	$ 568,400,390	$ 617,003,863
Construction Funds Used				
Capital Improvements	$ 174,108,714	$ 242,552,674	$ 282,000,000	$ 300,000,000

Description	2015	2016	2017	2018
Revenue Bond Issuance Expense	1,586,000	-	1,387,451	1,413,144
Revenue Bond Debt Service Reserve Requirement	7,051,848	-	2,273,146	-
State Revolving Fund Issuance Expense	-	-	-	-
General Obligation Bond Issuance Expense	-	-	-	-
Total Funds Utilized	$ 182,746,562	$ 242,552,674	$ 285,660,597	$ 301,413,144
Ending Balance	**$ 426,507,197**	**$ 238,163,781**	**$ 282,739,794**	**$ 315,590,719**
Balance Target	**$ 303,190,843**	**$ 235,000,000**	**$ 250,000,000**	**$ 250,000,000**
Interest Income	$ 1,200,517	$ 1,194,258	$ 935,942	$ 1,075,060
Projected Flow of Funds - Rate Stabilization				
Rate Stabilization Funds Available				
Beginning Balance	$ 184,796,000	$ 206,206,000	$ 169,306,000	$ 150,006,000
Deposit From (to) Operating Fund	21,410,000	(36,900,000)	(19,300,000)	(39,000,000)
Ending Balance	**$ 206,206,000**	**$ 169,306,000**	**$ 150,006,000**	**$ 111,006,000**
Interest Income	$ 703,804	$ 675,922	$ 574,762	$ 469,822
Projected Flow of Funds - Debt Service Reserve				
Debt Service Reserve Funds Available				
Beginning Balance	$ 212,067,661	$ 219,119,509	$ 219,119,509	$ 221,392,655
Transfer From Bond Proceeds	7,051,848	-	2,273,146	-
Transfer From Residual Fund	-	-	-	-
Debt Service Fund Release	-	-	-	-
Ending Balance	**$ 219,119,509**	**$ 219,119,509**	**$ 221,392,655**	**$ 221,392,655**
Interest Income	$ 776,137	$ 788,830	$ 792,922	$ 797,014

Description	2015	2016	2017	2018
Projected Flow of Funds - Revenue Fund				
Revenue Funds Available				
Beginning Balance	$ 70,000,000	$ 70,000,000	$ 70,000,000	$ 70,000,000
Existing Service Charge Revenues	648,663,309	649,365,674	649,048,647	647,905,362
Additional Service Charge Revenues	-	-	35,182,919	72,146,384
Other Operating Revenue	27,067,717	22,962,239	22,425,435	6,308,456
Interest Earnings	374,269	327,904	396,758	385,339
Construction Fund Interest Earnings	-	-	-	-
Debt Service Reserve Interest Earnings (above SCOOP)	-	-	-	-
Rate Stabilization Fund Interest Earnings	703,804	675,922	574,762	469,822
Transfer from Rate Stabilization Fund	-	36,900,000	19,300,000	39,000,000
Total Funds Available	$ 746,809,098	$ 780,231,739	$ 798,828,520	$ 836,215,363
Revenue Funds Used				
Total Operating Expense	$ 402,907,674	$ 409,773,447	$ 418,918,134	$ 429,681,760
Total Senior Debt Service	205,270,361	220,713,353	207,714,501	222,986,499
Total Subordinate Debt Service	-	-	-	-
Capital Account Deposit	20,697,000	21,215,000	21,745,375	22,289,009
Transfer to Rate Stabilization Fund	21,410,000	-	-	-
Transfer to Residual Fund	26,524,063	58,529,940	78,550,510	91,258,095
Total Funds Utilized	$ 676,809,098	$ 710,231,739	$ 728,828,520	$ 766,215,363
Ending Balance	$ 70,000,000	$ 70,000,000	$ 70,000,000	$ 70,000,000
Projected Flow of Funds - Residual Fund				
Operating Funds Available				
Beginning Balance	$ 25,275,000	$ 15,171,737	$ 42,004,409	$ 90,392,806
Transfer from Revenue Fund	26,524,063	58,529,940	78,550,510	91,258,095
Interest on Debt Service Reserve to fund Transfer to General Fund	776,137	788,830	792,922	797,014
Transfer to Debt Service Reserve	-	-	-	-
Transfer to Construction Fund	(36,700,000)	(31,800,000)	(30,400,000)	(35,900,000)
Transfer To General Fund	(776,137)	(788,830)	(792,922)	(797,014)

Description	2015	2016	2017	2018
Ending Balance (prior to interest)	$ 15,099,063	$ 41,901,677	$ 90,154,919	$ 145,750,901
Interest Income	72,673	102,732	237,887	425,059
Ending Balance	**$ 15,171,737**	**$ 42,004,409**	**$ 90,392,806**	**$ 146,175,959**

Description	2015	2016	2017	2018
Water Utility Fund Balances				
Projected Flow of Funds - Construction Fund				
Construction Funds Available				
Beginning Balance	94,425,930	$ 175,122,569	$ 102,452,355	$ 130,656,950
Transfer from Revenue Bond Proceeds	129,627,960	-	116,100,000	113,000,000
PENNVest Loan Proceeds	-	-	-	-
General Obligation Bonds	-	-	-	-
Non-City Sources	-	-	2,625,179	-
Grants				
Transfer from Residual Fund (Cash Financing)	14,000,000	12,900,000	8,700,000	10,800,000
Capital Account Deposit	8,498,188	8,710,879	8,928,651	9,151,867
Interest	484,316	498,737	418,843	482,855
Total Funds Available	$ 247,036,393	$ 197,232,185	$ 239,225,027	$ 264,091,672
Construction Funds Used				
Capital Improvements	$ 68,285,928	$ 94,779,831	$ 106,994,021	$ 125,432,543
Revenue Bond Issuance Expense	666,120	-	596,604	580,674
Revenue Bond Debt Service Reserve Requirement	2,961,776	-	977,453	-
State Revolving Fund Issuance Expense	-	-	-	-
General Obligation Bond Issuance Expense	-	-	-	-
Total Funds Utilized	$ 71,913,824	$ 94,779,831	$ 108,568,078	$ 126,013,216
Ending Balance	**$ 175,122,569**	**$ 102,452,355**	**$ 130,656,950**	**$ 138,078,455**
Balance Target	**$ 118,474,788**	**$ 89,161,684**	**$ 104,527,119**	**$ 104,516,400**
Ending Balance (Excluding Interest)	$ 174,638,254	$ 101,953,618	$ 130,238,107	$ 137,595,601
Interest Income	$ 484,316	$ 498,737	$ 418,843	$ 482,855
Projected Flow of Funds - Rate Stabilization				
Rate Stabilization Funds Available				
Beginning Balance	$ 73,918,400	$ 77,608,400	$ 52,708,400	$ 54,608,400
Deposit From (to) Operating Fund	3,690,000	(24,900,000)	1,900,000	(8,100,000)

Description	2015	2016	2017	2018
Ending Balance	**$ 77,608,400**	**$ 52,708,400**	**$ 54,608,400**	**$ 46,508,400**
Interest Income	$ 272,748	$ 234,570	$ 193,170	$ 182,010
Projected Flow of Funds - Debt Service Reserve				
Debt Service Reserve Funds Available				
Beginning Balance	$ 84,087,759	$ 87,049,535	$ 87,049,535	$ 88,026,988
Transfer From Bond Proceeds	2,961,776	-	977,453	-
Transfer From Residual Fund	-	-	-	-
Debt Service Reserve Fund Release	-	-	-	-
Ending Balance	**$ 87,049,535**	**$ 87,049,535**	**$ 88,026,988**	**$ 88,026,988**
Interest Income	$ 308,047	$ 313,378	$ 315,138	$ 316,897

Description	2015	2016	2017	2018
Projected Flow of Funds - Revenue Fund				
Revenue Funds Available				
Beginning Balance	$ 28,000,000	$ 28,000,000	$ 28,000,000	$ 28,000,000
Existing Service Charge Revenues	258,012,494	258,669,647	258,979,103	258,991,932
Additional Service Charge Revenues	-	-	12,948,955	26,546,673
Other Operating Revenue	14,340,862	12,164,467	11,904,331	4,820,195
Interest Earnings	140,519	115,250	167,199	158,061
Construction Fund Interest Earnings	-	-	-	-
Debt Service Reserve Interest Earnings (above SCOOP)	-	-	-	-
Rate Stabilization Fund Interest Earnings	272,748	234,570	193,170	182,010
Transfer from Rate Stabilization Fund	-	24,900,000	-	8,100,000
Total Funds Available	$ 300,766,623	$ 324,083,935	$ 312,192,758	$ 326,798,871
Revenue Funds Used				
Total Operating Expense	$ 169,360,674	$ 172,809,715	$ 177,130,179	$ 182,316,809
Total Senior Debt Service	81,066,822	90,111,937	69,981,353	76,388,553
Total Subordinate Debt Service	-	-	-	-
Capital Account Deposit	8,498,188	8,710,879	8,928,651	9,151,867
Transfer to Rate Stabilization Fund	3,690,000	-	1,900,000	-
Transfer to Residual Fund	10,150,939	24,451,404	26,252,576	30,941,642
Total Funds Utilized	$ 272,766,623	$ 296,083,935	$ 284,192,758	$ 298,798,871
Ending Balance	$ 28,000,000	$ 28,000,000	$ 28,000,000	$ 28,000,000
Projected Flow of Funds - Residual Fund				
Operating Funds Available				
Beginning Balance	$ 9,876,454	$ 6,056,019	$ 17,650,017	$ 35,297,728
Transfer from Revenue Fund	10,150,939	24,451,404	26,252,576	30,941,642
Debt Service Reserve Interest to fund Transfer to General Fund	308,047	313,378	315,138	316,897
Transfer to Debt Service Reserve	-	-	-	-
Transfer to Construction Fund	(14,000,000)	(12,900,000)	(8,700,000)	(10,800,000)
Transfer to General Fund	(308,047)	(313,378)	(315,138)	(316,897)

Description	2015	2016	2017	2018
Ending Balance (prior to interest)	$ 6,027,392	$ 17,607,423	$ 35,202,593	$ 55,439,370
Interest Income	28,627	42,594	95,135	163,327
Ending Balance	**$ 6,056,019**	**$ 17,650,017**	**$ 35,297,728**	**$ 55,602,697**

Description	2015	2016	2017	2018
Wastewater Utility Fund Balances				
Projected Flow of Funds - Construction Fund				
Construction Funds Available				
Beginning Balance	147,221,070	$ 251,384,627	$ 135,711,426	$ 152,082,844
Transfer from Revenue Bond Proceeds	179,010,040	-	153,900,000	162,000,000
PENNVest Loan Proceeds	-	-	-	-
General Obligation Bonds	-	-	-	-
Non-City Sources	371,242	-	4,530,114	-
Grants				
Transfer from Residual Fund (Cash Financing)	22,700,000	18,900,000	21,700,000	25,100,000
Capital Account Deposit	12,198,812	12,504,121	12,816,724	13,137,142
Interest	716,201	695,521	517,099	592,205
Total Funds Available	$ 362,217,365	$ 283,484,269	$ 329,175,363	$ 352,912,191
Construction Funds Used				
Capital Improvements	$ 105,822,786	$ 147,772,843	$ 175,005,979	$ 174,567,457
Revenue Bond Issuance Expense	919,880	-	790,847	832,470
Revenue Bond Debt Service Reserve Requirement	4,090,072	-	1,295,693	-
State Revolving Fund Issuance Expense	-	-	-	-
General Obligation Bond Issuance Expense	-	-	-	-
Total Funds Utilized	$ 110,832,738	$ 147,772,843	$ 177,092,519	$ 175,399,928
Ending Balance	**$ 251,384,627**	**$ 135,711,426**	**$ 152,082,844**	**$ 177,512,264**
Balance Target	**$ 184,716,054**	**$ 145,838,316**	**$ 145,472,881**	**$ 145,483,600**
Ending Balance (Excluding Interest)	$ 250,668,426	$ 135,015,905	$ 151,565,745	$ 176,920,058
Interest Income	$ 716,201	$ 695,521	$ 517,099	$ 592,205
Projected Flow of Funds - Rate Stabilization				
Rate Stabilization Funds Available				
Beginning Balance	$ 110,877,600	$ 128,597,600	$ 116,597,600	$ 95,397,600
Deposit From (to) Operating Fund	17,720,000	(12,000,000)	(21,200,000)	(30,900,000)

Description	2015	2016	2017	2018
Ending Balance	**$ 128,597,600**	**$ 116,597,600**	**$ 95,397,600**	**$ 64,497,600**
Interest Income	$ 431,055	$ 441,351	$ 381,591	$ 287,811
Projected Flow of Funds - Debt Service Reserve				
Debt Service Reserve Funds Available				
Beginning Balance	$ 127,979,902	$ 132,069,974	$ 132,069,974	$ 133,365,667
Transfer From Bond Proceeds	4,090,072	-	1,295,693	-
Transfer From Residual Fund	-	-	-	-
Debt Service Reserve Funds Release	-	-	-	-
Ending Balance	**$ 132,069,974**	**$ 132,069,974**	**$ 133,365,667**	**$ 133,365,667**
Minimum Balance Requirement	**$ 132,228,254**	**$ 132,228,254**	**$ 145,908,768**	**$ 145,908,768**
Interest Income	$ 468,090	$ 475,452	$ 477,784	$ 480,116

Description	2015	2016	2017	2018
Projected Flow of Funds - Revenue Fund				
Revenue Funds Available				
Beginning Balance	$ 42,000,000	$ 42,000,000	$ 42,000,000	$ 42,000,000
Existing Service Charge Revenues	390,650,815	390,696,027	390,069,544	388,913,430
Additional Service Charge Revenues	-	-	22,233,964	45,599,711
Other Operating Revenue	12,726,856	10,797,772	10,521,104	1,488,261
Interest Earnings	233,750	212,654	229,560	227,278
Construction Fund Interest Earnings	-	-	-	-
Debt Service Reserve Interest Earnings (above SCOOP)	-	-	-	-
Rate Stabilization Fund Interest Earnings	431,055	441,351	381,591	287,811
Transfer from Rate Stabilization Fund	-	12,000,000	21,200,000	30,900,000
Total Funds Available	$ 446,042,475	$ 456,147,805	$ 486,635,762	$ 509,416,492
Revenue Funds Used				
Total Operating Expense	$ 233,547,000	$ 236,963,731	$ 241,787,956	$ 247,364,951
Total Senior Debt Service	124,203,539	130,601,416	137,733,148	146,597,946
Total Subordinate Debt Service	-	-	-	-
Capital Account Deposit	12,198,812	12,504,121	12,816,724	13,137,142
Transfer to Rate Stabilization Fund	17,720,000	-	-	-
Transfer to Residual Fund	16,373,125	34,078,536	52,297,935	60,316,453
Total Funds Utilized	$ 404,042,475	$ 414,147,805	$ 444,635,762	$ 467,416,492
Ending Balance	$ 42,000,000	$ 42,000,000	$ 42,000,000	$ 42,000,000
Projected Flow of Funds - Residual Fund				
Operating Funds Available				
Beginning Balance	$ 15,398,546	$ 9,115,717	$ 24,354,391	$ 55,095,078
Transfer from Revenue Fund	16,373,125	34,078,536	52,297,935	60,316,453
Interest Earnings on Debt Service Reserve for Transfer to General Fund	468,090	475,452	477,784	480,117
Transfer to Debt Service Reserve	-	-	-	-
Transfer to Construction Fund	(22,700,000)	(18,900,000)	(21,700,000)	(25,100,000)
Transfer to General Fund	(468,090)	(475,452)	(477,784)	(480,117)

Description	2015	2016	2017	2018
Ending Balance (prior to interest)	$ 9,071,671	$ 24,294,253	$ 54,952,326	$ 90,311,531
Interest Income	$ 44,046	$ 60,138	$ 142,752	$ 261,732
Ending Balance	**$ 9,115,717**	**$ 24,354,391**	**$ 55,095,078**	**$ 90,573,263**

GRAPHS

Balance Targets

Description		2015	2016	2017	2018
Construction Fund		$ 303,190,843	$ 235,000,000	$ 250,000,000	$ 250,000,000
Rate Stabilization		$ 110,000,000	$ 110,000,000	$ 110,000,000	$ 110,000,000
Debt Service Reserve		$ 220,713,353	$ 220,713,353	$ 222,986,499	$ 222,986,499
Residual Fund		$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
Rate Stabilization and Residual		$ 125,000,000	$ 125,000,000	$ 125,000,000	$ 125,000,000
		Actuals			
Construction Fund		$ 426,507,197	$ 238,163,781	$ 282,739,794	$ 315,590,719
Rate Stabilization		$ 206,206,000	$ 169,306,000	$ 150,006,000	$ 111,006,000
Debt Service Reserve		$ 219,119,509	$ 219,119,509	$ 221,392,655	$ 221,392,655
Residual Fund		$ 15,171,737	$ 42,004,409	$ 90,392,806	$ 146,175,959
Rate Stabilization and Residual		$ 221,377,737	$ 211,310,409	$ 240,398,806	$ 257,181,959
Selected					
Rate Stabilization and Residual	Target	$ 125,000,000	$ 125,000,000	$ 125,000,000	$ 125,000,000
	Actual	$ 221,377,737	$ 211,310,409	$ 240,398,806	$ 257,181,959

CHECK

Construction Fund				
Combined	$ 426,507,197	$ 238,163,781	$ 282,739,794	$ 315,590,719
Water	$ 175,122,569	$ 102,452,355	$ 130,656,950	$ 138,078,455
Wastewater	$ 251,384,627	$ 135,711,426	$ 152,082,844	$ 177,512,264
Rate Stablization Fund				
Combined	$ 206,206,000	$ 169,306,000	$ 150,006,000	$ 111,006,000
Water	$ 77,608,400	$ 52,708,400	$ 54,608,400	$ 46,508,400

Description	2015	2016	2017	2018
Wastewater	$ 128,597,600	$ 116,597,600	$ 95,397,600	$ 64,497,600
Debt Service Reserve				
Combined	$ 219,119,509	$ 219,119,509	$ 221,392,655	$ 221,392,655
Water	$ 87,049,535	$ 87,049,535	$ 88,026,988	$ 88,026,988
Wastewater	$ 132,069,974	$ 132,069,974	$ 133,365,667	$ 133,365,667
Revenue Fund				
Combined	$ 70,000,000	$ 70,000,000	$ 70,000,000	$ 70,000,000
Water	$ 28,000,000	$ 28,000,000	$ 28,000,000	$ 28,000,000
Wastewater	$ 42,000,000	$ 42,000,000	$ 42,000,000	$ 42,000,000
Residual Fund				
Combined	$ 15,171,737	$ 42,004,409	$ 90,392,806	$ 146,175,959
Water	$ 6,056,019	$ 17,650,017	$ 35,297,728	$ 55,602,697
Wastewater	$ 9,115,717	$ 24,354,391	$ 55,095,078	$ 90,573,263

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2019	2020	2021
$ 364,520,116	$ 388,639,419	$ 443,712,911
$ 123,306,000	$ 123,406,000	$ 122,206,000
$ 201,752,063	$ 219,315,951	$ 227,476,296
190,951,518	240,787,089	297,150,347

2019	2020	2021
		Funds - 1
$ 315,590,719	$ 364,520,116	$ 388,639,419
280,000,000	270,000,000	285,000,000
-	-	-
-	-	-
-	-	-
46,300,000	48,300,000	54,200,000
22,846,235	23,417,390	24,002,825
1,222,000	1,353,251	1,495,542
$ 665,958,953	$ 707,590,757	$ 753,337,787
$ 300,000,000	$ 300,000,000	$ 300,000,000

2019	2020	2021			
1,438,838	1,387,451	1,464,531			
-	17,563,887	8,160,345			
-	-	-			
-	-	-			
$ 301,438,838	$ 318,951,338	$ 309,624,876			
$ 364,520,116	**$ 388,639,419**	**$ 443,712,911**			
$ 250,000,000	**$ 250,000,000**	**$ 282,500,000**	**Target Balance**	**3**	**months**
$ 1,222,000	$ 1,353,251	$ 1,495,542			

$ 111,006,000	$ 123,306,000	$ 123,406,000
12,300,000	100,000	(1,200,000)
$ 123,306,000	**$ 123,406,000**	**$ 122,206,000**
$ 421,762	$ 444,082	$ 442,102

$ 221,392,655	$ 201,752,063	$ 219,315,951
-	17,563,887	8,160,345
-	-	-
(19,640,592)	-	-
$ 201,752,063	**$ 219,315,951**	**$ 227,476,296**
$ 761,660	$ 757,922	$ 804,226

2019	2020	2021
$ 70,000,000	$ 70,000,000	$ 70,000,000
647,095,031	646,692,419	646,277,567
106,013,768	141,492,724	185,172,170
25,238,666	4,793,939	3,988,714
477,350	468,780	489,523
-	-	-
-	-	-
421,762	444,082	442,102
-	-	1,200,000
$ 849,246,577	$ 867,491,944	$ 908,470,076
$ 457,723,265	$ 469,856,323	$ 483,060,746
195,907,257	203,158,393	220,909,794
-	-	-
22,846,235	23,417,390	24,002,825
12,300,000	100,000	-
90,469,820	97,359,837	109,596,710
$ 779,246,577	$ 797,491,944	$ 838,470,076
$ 70,000,000	$ 70,000,000	$ 70,000,000
$ 146,175,959	$ 190,951,518	$ 240,787,089
90,469,820	97,359,837	109,596,710
761,660	757,922	804,226
-	-	-
(46,300,000)	(48,300,000)	(54,200,000)
(761,660)	(757,922)	(804,226)

2019	2020	2021
$ 190,345,779	$ 240,011,356	$ 296,183,799
605,739	775,733	966,548
$ 190,951,518	**$ 240,787,089**	**$ 297,150,347**

2019	2020	2021	
		Funds - 2	
$ 138,078,455	$ 162,437,058	$ 158,852,624	
125,000,000	105,000,000	105,000,000	
-	-	-	
-	-	-	
-	-	-	Pennvest Reimbursement
15,500,000	14,000,000	16,600,000	
9,380,664	9,615,181	9,855,560	
539,956	577,282	607,351	
$ 288,499,075	$ 291,629,520	$ 290,915,535	
$ 125,419,679	$ 125,406,931	$ 108,197,720	Currently reflect CIP Budget
642,338	539,564	539,564	
-	6,830,401	3,006,443	
-	-	-	
-	-	-	
$ 126,062,018	$ 132,776,896	$ 111,743,727	
$ 162,437,058	**$ 158,852,624**	**$ 179,171,808**	
$ 104,505,776	**$ 90,164,767**	**$ 103,372,040**	
$ 161,897,102	$ 158,275,342	$ 178,564,457	
$ 539,956	$ 577,282	$ 607,351	
$ 46,508,400	$ 48,408,400	$ 52,108,400	
1,900,000	3,700,000	900,000	

2019	2020	2021
$ 48,408,400	**$ 52,108,400**	**$ 53,008,400**
$ 170,850	$ 180,930	$ 189,210

$ 88,026,988	$ 80,975,360	$ 87,805,760
-	6,830,401	3,006,443
-	-	-
(7,051,629)	-	-
$ 80,975,360	**$ 87,805,760**	**$ 90,812,203**
$ 304,204	$ 303,806	$ 321,512

2019	2020	2021
$ 28,000,000	$ 28,000,000	$ 28,000,000
259,226,913	259,698,367	260,168,783
38,002,665	49,982,587	67,136,430
11,567,885	4,171,887	3,838,977
184,072	189,787	195,721
-	-	-
-	-	-
170,850	180,930	189,210
-	-	-
$ 337,152,386	$ 342,223,558	$ 359,529,121
$ 192,381,852	$ 197,822,762	$ 204,052,405
70,337,250	66,782,382	74,553,465
-	-	-
9,380,664	9,615,181	9,855,560
1,900,000	3,700,000	900,000
35,152,620	36,303,234	42,167,690
$ 309,152,386	$ 314,223,558	$ 331,529,121
$ 28,000,000	$ 28,000,000	$ 28,000,000
$ 55,602,697	$ 75,490,861	$ 98,106,008
35,152,620	36,303,234	42,167,690
304,204	303,806	321,512
-	-	-
(15,500,000)	(14,000,000)	(16,600,000)
(304,204)	(303,806)	(321,512)

Excludes interest income revenue (rate stabilization, construction fund, and dsr)

2019	2020	2021
$ 75,255,317	$ 97,794,095	$ 123,673,699
235,544	311,913	399,203
$ 75,490,861	**$ 98,106,008**	**$ 124,072,902**

2019	2020	2021
		Funds - 3
$ 177,512,264	$ 202,083,058	$ 229,786,795
155,000,000	165,000,000	180,000,000
-	-	-
-	-	-
-	-	-
30,800,000	34,300,000	37,600,000
13,465,571	13,802,210	14,147,265
682,044	775,969	888,191
$ 377,459,878	$ 415,961,237	$ 462,422,252
$ 174,580,321	$ 174,593,069	$ 191,802,280
796,499	847,887	924,967
-	10,733,487	5,153,902
-	-	-
-	-	-
$ 175,376,820	$ 186,174,442	$ 197,881,149
$ 202,083,058	**$ 229,786,795**	**$ 264,541,103**
$ 145,494,224	**$ 159,835,233**	**$ 179,127,960**
$ 201,401,014	$ 229,010,826	$ 263,652,911
$ 682,044	$ 775,969	$ 888,191
$ 64,497,600	$ 74,897,600	$ 71,297,600
10,400,000	(3,600,000)	(2,100,000)

2019	2020	2021
$ 74,897,600	**$ 71,297,600**	**$ 69,197,600**
$ 250,911	$ 263,151	$ 252,891
$ 133,365,667	$ 120,776,704	$ 131,510,190
-	10,733,487	5,153,902
-	-	-
(12,588,963)	-	-
$ 120,776,704	**$ 131,510,190**	**$ 136,664,092**
$ 131,143,987	**$ 143,296,015**	**$ 146,707,861**
$ 457,456	$ 454,116	$ 482,714

2019	2020	2021
$ 42,000,000	$ 42,000,000	$ 42,000,000
387,868,118	386,994,052	386,108,784
68,011,103	91,510,137	118,035,740
13,670,781	622,052	149,737
293,277	278,992	293,802
-	-	-
-	-	-
250,911	263,151	252,891
-	3,600,000	2,100,000
$ 512,094,191	$ 525,268,386	$ 548,940,955
$ 265,341,413	$ 272,033,562	$ 279,008,341
125,570,008	136,376,011	146,356,329
-	-	-
13,465,571	13,802,210	14,147,265
10,400,000	-	-
55,317,199	61,056,603	67,429,020
$ 470,094,191	$ 483,268,386	$ 506,940,955
$ 42,000,000	$ 42,000,000	$ 42,000,000
$ 90,573,263	$ 115,460,657	$ 142,681,080
55,317,199	61,056,603	67,429,020
457,456	454,116	482,714
-	-	-
(30,800,000)	(34,300,000)	(37,600,000)
(457,456)	(454,116)	(482,714)

2019	2020	2021
$ 115,090,462	$ 142,217,260	$ 172,510,100
$ 370,195	$ 463,820	$ 567,344
$ 115,460,657	**$ 142,681,080**	**$ 173,077,444**

2019	2020	2021
$ 250,000,000	$ 250,000,000	$ 282,500,000
$ 110,000,000	$ 110,000,000	$ 110,000,000
$ 203,345,907	$ 220,909,794	$ 229,070,139
$ 15,000,000	$ 15,000,000	$ 15,000,000
$ 125,000,000	$ 125,000,000	$ 125,000,000
$ 364,520,116	$ 388,639,419	$ 443,712,911
$ 123,306,000	$ 123,406,000	$ 122,206,000
$ 201,752,063	$ 219,315,951	$ 227,476,296
$ 190,951,518	$ 240,787,089	$ 297,150,347
$ 314,257,518	$ 364,193,089	$ 419,356,347
$ 125,000,000	$ 125,000,000	$ 125,000,000
$ 314,257,518	$ 364,193,089	$ 419,356,347
$ 364,520,116	$ 388,639,419	$ 443,712,911
$ 162,437,058	$ 158,852,624	$ 179,171,808
$ 202,083,058	$ 229,786,795	$ 264,541,103
$ 123,306,000	$ 123,406,000	$ 122,206,000
$ 48,408,400	$ 52,108,400	$ 53,008,400

2019	2020	2021
$ 74,897,600	$ 71,297,600	$ 69,197,600
$ 201,752,063	$ 219,315,951	$ 227,476,296
$ 80,975,360	$ 87,805,760	$ 90,812,203
$ 120,776,704	$ 131,510,190	$ 136,664,092
$ 70,000,000	$ 70,000,000	$ 70,000,000
$ 28,000,000	$ 28,000,000	$ 28,000,000
$ 42,000,000	$ 42,000,000	$ 42,000,000
$ 190,951,518	$ 240,787,089	$ 297,150,347
$ 75,490,861	$ 98,106,008	$ 124,072,902
$ 115,460,657	$ 142,681,080	$ 173,077,444

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Water System Cost of Service

Cost of Service - 1

	2015	2016	2017	2018	2019	2020	2021
Operating Expenses							
Operating Expense	$ 96,801	$ 95,002	$ 97,082	$ 99,753	$ 104,929	$ 107,834	$ 110,663
Direct Interdepartmental Charges	62,112	67,354	69,097	70,886	75,144	76,991	79,349
Water Treatment Plant Sludge	10,448	10,453	10,952	11,678	12,309	12,998	14,041
Subtotal	$ 169,361	$ 172,810	$ 177,130	$ 182,317	$ 192,382	$ 197,823	$ 204,052
Residual Fund Transfer	6,640	15,556	18,162	21,060	24,854	26,189	29,829
Rate Stabilization Fund Transfer	2,414	(15,841)	1,314	(5,513)	1,343	2,669	637
Total	$ 178,415	$ 172,525	$ 196,606	$ 197,864	$ 218,579	$ 226,681	$ 234,518
Other Income							
Other Operating Revenue	$ (14,341)	$ (12,164)	$ (11,904)	$ (4,820)	$ (11,568)	$ (4,172)	$ (3,839)
Interest	$ (270)	$ (223)	$ (249)	$ (231)	$ (251)	$ (267)	$ (272)
Net Revenue Requirement - Operating Expense	$ 163,804	$ 160,137	$ 184,453	$ 192,813	$ 206,760	$ 222,242	$ 230,407

	2015	2016	2017	2018	2019	2020	2021
Capital Expenses							
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Bonds	$ 75,345	$ 80,287	$ 58,467	$ 58,726	$ 43,435	$ 31,824	$ 32,765
Pennvest Parity Bonds	5,722	5,722	5,722	6,065	6,091	6,016	6,016
Projected Future Bonds	-	4,103	5,792	11,597	20,811	28,942	35,773
Subordinate Debt Service							
Outstanding General Obligation Bonds	-	-	-	-	-	-	-
Pennvest Subordinate Bonds							
Projected Future Bonds	-	-	-	-	-	-	-
Capital Account Deposit	8,498	8,711	8,929	9,152	9,381	9,615	9,856
Subtotal	$ 89,565	$ 98,823	$ 78,910	$ 85,540	$ 79,718	$ 76,398	$ 84,409
Residual Fund Transfer	3,511	8,895	8,091	9,882	10,299	10,114	12,339
Rate Stabilization Fund Transfer	1,276	(9,059)	586	(2,587)	557	1,031	263
Total	$ 94,352	$ 98,659	$ 87,587	$ 92,835	$ 90,574	$ 87,543	$ 97,011
Other Income							
Other Operating Revenue	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest	(143)	(127)	(111)	(109)	(104)	(104)	(113)
Net Revenue Requirement - Capital Expense	$ 94,209	$ 98,532	$ 87,475	$ 92,726	$ 90,470	$ 87,439	$ 96,898
Total Net Revenue Requirement	$ 258,012	$ 258,670	$ 271,928	$ 285,539	$ 297,230	$ 309,681	$ 327,305
Revenue CHECK	$ 258,012	$ 258,670	$ 271,928	$ 285,539	$ 297,230	$ 309,681	$ 327,305

Wastewater System Cost of Service

Cost of Service - 2

	2015	2016	2017	2018	2019	2020	2021
Operating Expenses							
Operating Expense	$ 154,712	$ 150,814	$ 153,658	$ 157,388	$ 169,193	$ 173,857	$ 178,440
Direct Interdepartmental Charges	89,282	96,603	99,081	101,655	108,457	111,175	114,609
Water Treatment Plant Sludge	(6,971)	(7,023)	(7,377)	(7,902)	(8,655)	(9,121)	(9,838)
Total Operating Expense	$ 237,024	$ 240,394	$ 245,363	$ 251,141	$ 268,995	$ 275,911	$ 283,211
Residual Fund Transfer	10,490	21,555	32,706	37,209	36,797	39,900	43,450
Rate Stabilization Fund Transfer	11,353	(7,590)	(13,258)	(19,062)	6,918	(2,353)	(1,353)
Total	$ 258,867	$ 254,359	$ 264,811	$ 269,288	$ 312,710	$ 313,458	$ 325,308
Other Income							
Other Operating Revenue	$ (12,727)	$ (10,798)	$ (10,521)	$ (1,488)	$ (13,671)	$ (622)	$ (150)
Interest	$ (439)	$ (422)	$ (393)	$ (326)	$ (380)	$ (370)	$ (369)
Net Revenue Requirement - Operating Expense	$ 245,701	$ 243,139	$ 253,896	$ 267,473	$ 298,659	$ 312,466	$ 324,789

	2015	2016	2017	2018	2019	2020	2021
Capital Expenses							
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Bonds	$ 117,582	$ 118,314	$ 123,113	$ 124,043	$ 89,839	$ 90,533	$ 89,780
Pennvest Parity Bonds	6,621	6,621	6,621	6,862	7,029	7,058	7,058
Projected Future Bonds	-	5,666	7,999	15,694	28,702	38,784	49,518
Subordinate Debt Service							
Outstanding General Obligation Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Pennvest Subordinate Bonds							
Projected Future Bonds	-	-	-	-	-	-	-
Capital Account Deposit	$ 12,199	$ 12,504	$ 12,817	$ 13,137	$ 13,466	$ 13,802	$ 14,147
Water Treatment Plant Sludge - Capital Component	$ (3,477)	$ (3,430)	$ (3,575)	$ (3,776)	$ (3,654)	$ (3,877)	$ (4,203)
Subtotal	$ 132,925	$ 139,676	$ 146,975	$ 155,960	$ 135,382	$ 146,301	$ 156,301
Residual Fund Transfer	5,883	12,524	19,592	23,107	18,520	21,157	23,979
Rate Stabilization Fund Transfer	6,367	(4,410)	(7,942)	(11,838)	3,482	(1,247)	(747)
Total	$ 145,176	$ 147,789	$ 158,625	$ 167,229	$ 157,384	$ 166,210	$ 179,533
Other Income							
Other Operating Revenue	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest	(226)	(232)	(218)	(189)	(164)	(172)	(178)
Net Revenue Requirement - Capital Expense	$ 144,950	$ 147,557	$ 158,407	$ 167,040	$ 157,220	$ 166,038	$ 179,355
Total Net Revenue Requirement	$ 390,651	$ 390,696	$ 412,304	$ 434,513	$ 455,879	$ 478,504	$ 504,145
Revenue CHECK	$ 390,651	$ 390,696	$ 412,304	$ 434,513	$ 455,879	$ 478,504	$ 504,145

Combined System Cost of Service

Cost of Service - 3

	2015	2016	2017	2018	2019	2020	2021
Operating Expenses							
Operating Expense	$ 251,514	$ 245,816	$ 250,740	$ 257,141	$ 274,122	$ 281,690	$ 289,103
Direct Interdepartmental Charges	$ 151,394	$ 163,957	$ 168,178	$ 172,541	$ 183,601	$ 188,166	$ 193,958
Water Treatment Plant Sludge	$ 3,477	$ 3,430	$ 3,575	$ 3,776	$ 3,654	$ 3,877	$ 4,203
Subtotal	$ 406,385	$ 413,203	$ 422,493	$ 433,457	$ 461,377	$ 473,734	$ 487,264
Residual Fund Transfer	17,130	37,111	50,868	58,269	61,651	66,089	73,279
Rate Stabilization Fund Transfer	13,767	(23,431)	(11,944)	(24,575)	8,261	316	(716)
Total	$ 437,282	$ 426,883	$ 461,417	$ 467,151	$ 531,289	$ 540,139	$ 559,827
Other Income							
Other Operating Revenue	$ (27,068)	$ (22,962)	$ (22,425)	$ (6,308)	$ (25,239)	$ (4,794)	$ (3,989)
Interest	$ (709)	$ (645)	$ (642)	$ (557)	$ (631)	$ (637)	$ (641)
Net Revenue Requirement - Operating Expense	$ 409,505	$ 403,276	$ 438,349	$ 460,286	$ 505,419	$ 534,708	$ 555,197

	2015	2016	2017	2018	2019	2020	2021
Capital Expenses							
Debt Service							
Senior Debt Service							
Revenue Bonds							
Outstanding Bonds	$ 192,927	$ 198,602	$ 181,580	$ 182,769	$ 133,274	$ 122,358	$ 122,545
Pennvest Parity Bonds	12,343	12,343	12,343	12,927	13,120	13,074	13,074
Projected Future Bonds	-	9,769	13,791	27,291	49,512	67,727	85,291
Subordinate Debt Service							
Outstanding General Obligation Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Pennvest Subordinate Bonds							
Projected Future Bonds	-	-	-	-	-	-	-
Capital Account Deposit	$ 20,697	$ 21,215	$ 21,745	$ 22,289	$ 22,846	$ 23,417	$ 24,003
Water Treatment Plant Sludge - Capital Component	$ (3,477)	$ (3,430)	$ (3,575)	$ (3,776)	$ (3,654)	$ (3,877)	$ (4,203)
Subtotal	$ 222,490	$ 238,498	$ 225,885	$ 241,500	$ 215,100	$ 222,698	$ 240,710
Residual Fund Transfer	9,394	21,419	27,683	32,989	28,819	31,271	36,318
Rate Stabilization Fund Transfer	7,643	(13,469)	(7,356)	(14,425)	4,039	(216)	(484)
Total	$ 239,527	$ 246,448	$ 246,212	$ 260,064	$ 247,958	$ 253,753	$ 276,543
Other Income							
Other Operating Revenue	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest	(369)	(359)	(330)	(298)	(268)	(276)	(291)
Net Revenue Requirement - Capital Expense	$ 239,158	$ 246,089	$ 245,882	$ 259,766	$ 247,690	$ 253,477	$ 276,253
Total Net Revenue Requirement	$ 648,663	$ 649,366	$ 684,232	$ 720,052	$ 753,109	$ 788,185	$ 831,450
Revenue CHECK	$ 648,663	$ 649,366	$ 684,232	$ 720,052	$ 753,109	$ 788,185	$ 831,450

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PHILADELPHIA WATER DEPARTMENT

Financial Plan Dashboard - Wastewater System

SECTION 1: FINANCIAL PLAN SELECTIONS

1. Utility: [illegible] Select Utility

SECTION 2: CAPITAL PROGRAM FINANCING

Input Proposed Bond Issues and Residual Fund Transfers to Construction Fund

Fiscal Years:	2015	2016	2017	2018	2019	2020	2021
Funding ($ millions):							
Revenue Bond Issuance	###### #	$0.0	######	######	######	######	######
PennVest Issuance	$ 0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
G.O. Bond Issuance	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
Construction Fund							
Projected Balance	$ 251	#### ##	#### ##	#### ##	#### ##	#### ##	#### ##
Required Balance	$ 185	#### ##	#### ##	#### ##	#### ##	#### ##	#### ##
Residual Fund							
Transfer to Construction	$22.7	##### #	##### #	##### #	##### #	##### #	##### #
Projected Balance	$ 9.1	##### #	##### #	##### #	######	######	######

Capital Program Financing - Scenario 4

Construction Fund Balance

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PHILADELPHIA WATER DEPARTMENT

Financial Plan Dashboard - Wastewater System

SECTION 3: REVENUE ADJUSTMENT SCENARIO

Financial Plan - (Scenario 1 - Exclude AMI) & CIP - (Scenario 4)

Input Revenue Adjustments and Rate Stabilization Fund Transfers

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Fiscal Years:	2015	2016	2017	2018	2019	2020	2021
Revenue:							
Revenue Increase - Wastewater	0.00%	0.00%	5.70%	5.70%	5.20%	5.20%	5.60%
Months Effective	6	12	12	12	12	12	12
Rate Stabilization Funds	$17.7	########	########	########	$10.4	($3.6)	($2.1)
Ending Rate Stab. Balance	$ 129	#### ##	$ 95	$ 64	$ 75	$ 71	$ 69

Coverage Tests

Dashboard Utility

Water System
Wastewater System
Combined System

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O&M Adjustments - 17	O&M Adj 6 - Inter Dept O&M Adjustments	
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Number Formatting Guide

Table 1 - Water Revenues

Table 1 - WATER - PROJECTED RECEIPTS UNDER EXISTING RATES

Order Form Latest Rates/ 2.0000

Excel Cell Reference	Description	Table Number	Average Rate Per Unit	Customer Class Reference
Table_1	[illegible]	[illegible]	[illegible]	[illegible]
Table_2	[illegible]	[illegible]	[illegible]	[illegible]
Table_3	[illegible]	[illegible]	[illegible]	[illegible]
Table_4	[illegible]	[illegible]	[illegible]	[illegible]
Table_5	[illegible]	[illegible]	[illegible]	[illegible]
Table_6	[illegible]	[illegible]	[illegible]	[illegible]
Table_7	[illegible]	[illegible]	[illegible]	[illegible]
Table_8	[illegible]	[illegible]	[illegible]	[illegible]
Table_9	[illegible]	[illegible]	[illegible]	[illegible]
Table_10	[illegible]	[illegible]	[illegible]	[illegible]
Table_11	[illegible]	[illegible]	[illegible]	[illegible]
Table_12	[illegible]	[illegible]	[illegible]	[illegible]
Table_13	[illegible]	[illegible]	[illegible]	[illegible]
Table_14	[illegible]	[illegible]	[illegible]	[illegible]
Table_15	[illegible]	[illegible]	[illegible]	[illegible]
Table_16	[illegible]	[illegible]	[illegible]	[illegible]

Number Formatting Guide

Table 1 - WATER - PROJECTED RECEIPTS UNDER EXISTING RATES

Table 1

TABLE W-1
WATER - PROJECTED RECEIPTS UNDER EXISTING RATES (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Residential	150,282	150,282	150,282	150,282	150,784
2	General Service	2,757	2,757	2,757	2,757	2,765
3	Commercial	14,506	14,506	14,506	14,507	14,551
4	Industrial	1,136	1,136	1,136	1,136	1,140
5	Public Utilities	1,000	1,000	1,000	1,000	1,003
6	Subtotal (Metered Customer Sales)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	Housing Authority	1,730	1,730	1,730	1,730	1,735
8	Flexible Commercial	2,270	2,270	2,270	2,270	2,276
9	Hospitals and Institutions	4,000	4,000	4,000	4,000	4,011
10	Municipal Wholesale	15,000	15,000	15,000	15,000	15,045
11	Unmetered Residential	0	0	0	0	0
12	Unmetered Commercial	50	50	50	50	50
13	City	7,706	7,706	7,706	7,706	7,728
14	Other Municipal					
15	Bulk	2,152	2,152	2,152	2,152	2,158
16	Private	1,000	1,000	1,000	1,000	1,003
17	Total Private Sales	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	Other Operating Revenues (1)	17,128	17,128	17,128	17,128	17,178
20	Interest Earnings					
21	Other (2)	0	0	0	0	0
22	Total Revenue Receipts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	**Total Revenues**	272,148	272,148	272,148	272,148	272,787

(1) Includes Other Service Charges Such Rents (a) [illegible] and (b) Miscellaneous Fees, Including Reconnection Fees, Other Fees, Etc.

(2) Includes Adjustments Resulting From Prior Years Over Or Under Collections.

(3) Includes Amounts Transferred Or Expending And Not Transferred Funds.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE W-1A
WATER - OTHER REVENUE PROJECTED RECEIPTS (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Other Revenue					
2	[illegible]	2,324	2,324	2,324	2,324	2,331
3	[illegible]	1,500	1,500	1,500	1,500	1,504
4	[illegible]	2,000	2,000	2,000	2,000	2,005
5	[illegible]	2,000	2,000	2,000	2,000	2,005
6	[illegible]	2,000	2,000	2,000	2,000	2,005
7	[illegible]	500	500	500	500	501
8	[illegible]	7,804	7,804	7,804	7,804	7,826
9	Total Other Revenue	17,128	17,128	17,128	17,128	17,178
10	Interest Income					
11	Interest Earnings	0	0	0	0	0
12	Total Interest Earnings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Total Other Operations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(a) Including Charges Pursuant to an Agreement Between Vineland and Millville Dated 7/1/2004 Which Provides Vineland Will Provide Millville Water Service and Agreed Upon Cost of Service Adjusting Annually Thereafter.

(b) Charges Pursuant to Bulk Water Agreement Between Vineland and Landis Water Company Dated 1/1/2000 Which Provides Vineland Will Provide Water Service to Landis Water Company.

(2) Includes Amounts Transferred Or Expending And Not Transferred Funds.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 2 - WATER - PROJECTED OPERATION AND MAINTENANCE EXPENSE

Table 2

TABLE W-2
WATER - PROJECTED OPERATION AND MAINTENANCE EXPENSE (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Personal Services	14,130	14,130	14,130	14,137	14,176
2	Purchase of Water (1) (2)					
3	[illegible]	1,127	1,127	1,127	1,127	1,127
4	[illegible]	0	0	0	0	0
5	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	Materials and Supplies (1)					
7	[illegible]	14,140	14,140	14,140	14,208	17,401
8	Other	0	0	0	0	0
9	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	Allocations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	Indirect Water Expenses	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Debt Service Principal Charges	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	**Total Expenses**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Net of Capitalized Maintenance.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 3 - WATER - PROJECTED CAPITAL IMPROVEMENT PROGRAM

Table 3

TABLE W-3
WATER - PROJECTED CAPITAL IMPROVEMENT PROGRAM (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Projected Capital Improvements	14,000	14,000	14,000	14,000	14,000
2	Projected Bond Other Requirements	18,500	18,500	18,500	18,500	18,500
3	Projected Capital Improvements	32,500	32,500	32,500	32,500	32,500
4	Grant Revenue Requirements	14,000	14,000	14,000	14,000	14,000
5	Transfers	0	0	0	0	0
6	Total Capital Improvements	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	Offsets Adjustment (1)	0	0	0	0	0
8	Adjusted Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	Grant Revenue Adjustment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	**Net Total Financing Required**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Adjusted					

Table 4 - WATER - PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND

Table 4

TABLE W-4
WATER - PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Projected Net Revenues					
2	Revenues Under Existing Rates	272,148	272,148	272,148	272,148	272,787
3	Revenues					
4	[illegible]	0	0	0	0	0
5	Grant Revenues (1)	0	0	0	0	0
6	Total Revenues	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	**Expenses Net Bond**					
8	Operating Expenses	272,148	272,148	272,148	272,148	272,787
9	Debt Service Principal Charges	0	0	0	0	0
10	Transfers	0	0	0	0	0
11	Total Expenses Net Bond	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	**Net Revenues**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Debt Service Principal Charges	0	0	0	0	0
14	Transfers	0	0	0	0	0
15	Net Revenues Available for Capital Improvements	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	Adjusted	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Grant Revenues Are Not Included in the Calculation of Net Revenues Available for Capital Improvements. Net Revenues Available for Capital Improvements Are Used to Fund Capital Improvements Which Are Not Financed Through Bond Proceeds. Grant Revenues Are Used Only to Fund Projects Which Are Not Financed Through Bond Proceeds.

Unmetered	0	0	0	0	0

Table 5 - WATER - SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE

Table 5

TABLE W-5
WATER - SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	**Revenue Bonds**					
2	[illegible]	10,487	10,176	10,175	9,854	10,341
3	[illegible]	0	0	0	0	0
4	[illegible]	1,900	1,900	1,900	1,900	1,900
5	[illegible]	0	0	0	0	0
6	[illegible]	1,000	1,000	1,000	1,000	1,000
7	[illegible]	0	0	0	0	0
8	Overall Total (NOTE)(2)			0	10,511	11,351
9	[illegible]				0	0
10	[illegible]					
11	[illegible]					
12	**Planned Issues**					
13	Revenue Issues - Bond (1)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	**Total Debt Service**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Assumes the existing interest rates of 5% Variable, Variable Rate Series, 5.00% Bonds and 4.25% Variable, Variable Rate Series, 5.00% Bonds. Assumes Interest Only Payments Through 2009.

(2) Assumes Annual Levy, Levied in Prior Year, Collected in Current Year. Assumed to be Accounting Year Consolidated Bills Rendered.

(3) Assumes 1.00% Interest Cost. Assumed to be Issued Beginning Year Consolidated Bill Rendered.

(4) Assumes 1.00% Interest Cost. Assumed to be Issued Beginning Year Consolidated Bill Rendered.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 6A - WASTEWATER - PROJECTED RECEIPTS UNDER EXISTING SANITARY SEWER RATES

Table 6A

TABLE WW-1A
WASTEWATER - PROJECTED RECEIPTS UNDER EXISTING SANITARY SEWER RATES (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Residential	144,211	144,211	144,211	144,207	144,647
2	General Service	2,645	2,645	2,645	2,645	2,653
3	Commercial	13,407	13,408	13,773	13,816	13,856
4	Industrial	1,090	1,090	1,090	1,090	1,093
5	Public Utilities	960	960	960	960	963
6	Subtotal(Sewer)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	Flexible(Sewer)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	Housing Authority	1,660	1,660	1,660	1,660	1,665
9	Flexible Commercial	2,178	2,178	2,178	2,178	2,184
10	Hospitals and Institutions	4,000	4,000	4,000	4,000	4,012
11	Municipal	15,000	15,070	15,070	15,070	15,070
12	Unmetered Residential	0	0	0	0	0
13	Unmetered	0	0	0	0	0
14	City	75	75	75	75	75
15	Private Sewer	14,756	14,756	14,756	14,756	14,756
16	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Includes Other Miscellaneous Revenues.

(2) Includes Adjustments Resulting From Prior Years Over Or Under Collections.

(3) Includes Amounts Transferred Or Expending And Not Transferred Funds.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 6B - WASTEWATER - PROJECTED RECEIPTS UNDER EXISTING STORMWATER RATES

Table 6B

TABLE WW-1B
WASTEWATER - PROJECTED RECEIPTS UNDER EXISTING STORMWATER RATES (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Residential					
2	[illegible]	14,487	14,487	14,174	14,167	14,487
3	[illegible]	14,756	14,601	14,601	14,601	14,601
4	[illegible]	0	0	0	0	0
5	Non-Residential					
6	[illegible]	14,756	14,601	14,601	14,601	14,601
7	Discount Rate	1,107	1,095	1,095	1,095	1,097
8	Commercial					
9	Rate Discount	1,107	1,095	1,095	1,095	1,095
10	[illegible]	75	60	60	60	60
11	Discount Rate	75	60	60	60	60
12	City Parcel					
13	Rate Discount	75	75	75	75	75
14	Net Revenue	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 7 - WASTEWATER - PROJECTED OPERATION AND MAINTENANCE EXPENSE

Table 7

TABLE WW-2
WASTEWATER - PROJECTED OPERATION AND MAINTENANCE EXPENSE (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Personal Services	14,130	14,130	14,130	14,137	14,176
2	Purchase of Sewer (1) (2)					
3	[illegible]	1,127	1,127	1,127	1,127	1,127
4	[illegible]	0	0	0	0	0
5	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	Materials and Supplies (1)					
7	[illegible]	14,140	14,140	14,140	14,208	17,401
8	Other	0	0	0	0	0
9	Subtotal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	Allocations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	Indirect Water Expenses	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Debt Service Principal Charges	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	**Total Expenses**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Net of Capitalized Maintenance.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 8 - WASTEWATER - PROJECTED CAPITAL IMPROVEMENT PROGRAM

Table 8

TABLE WW-3
WASTEWATER - PROJECTED CAPITAL IMPROVEMENT PROGRAM (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Projected Capital Improvements					
2	Wastewater and Stormwater	14,156	14,000	14,000	14,000	14,000
3	Sewer Bond Equal	14,000	14,000	14,000	14,000	14,000
4	[illegible]	28,156	28,000	28,000	28,000	28,000
5	Grant Revenues	14,000	14,000	14,000	14,000	14,000
6	Transfers	0	0	0	0	0
7	Total Capital Improvements	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	Offsets Adjustment (1)	0	0	0	0	0
9	Adjusted Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	Grant Revenue Adjustment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	**Net Total Financing Required**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Adjusted					

Table 9 - WASTEWATER - PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND

Table 9

TABLE WW-4
WASTEWATER - PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND (in thousands of dollars)

Line No.	Description	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Projected Net Revenues					
2	Revenues Under Existing Rates	272,500	272,500	272,500	272,500	272,501
3	Revenues					
4	[illegible]	0	0	0	0	0
5	Grant Revenues (1)	0	0	0	0	0
6	Total Revenues	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	**Expenses Net Bond**					
8	Operating Expenses	272,500	272,500	272,500	272,500	272,501
9	Debt Service Principal Charges	0	0	0	0	0
10	Transfers	0	0	0	0	0
11	Total Expenses Net Bond	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	**Net Revenues**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Debt Service Principal Charges	0	0	0	0	0
14	Transfers	0	0	0	0	0
15	Net Revenues Available for Capital Improvements	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	Adjusted	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(1) Grant Revenues Are Not Included in the Calculation of Net Revenues Available for Capital Improvements. Net Revenues Available for Capital Improvements Are Used to Fund Capital Improvements Which Are Not Financed Through Bond Proceeds. Grant Revenues Are Used Only to Fund Projects Which Are Not Financed Through Bond Proceeds.

Unmetered	0	0	0	0	0

TABLE WW-5
WASTEWATER - SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE
(in thousands of dollars)

Line No.	Description					
			2024	2025	2026	2027
1	Revenue Bonds					
2	Existing Debt	Principal	1,000,000	1,000,000	1,000,000	1,000,000
3		Interest	1,000	1,000	1,000	1,000
4		Total	1,000,000	1,000,000	1,000,000	1,000,000
5	Proposed Debt	Principal	0	1,000,000	1,000,000	1,000,000
6		Interest	0	1,000,000	1,000,000	1,000,000
7		Total	0	2,000,000	2,000,000	2,000,000
8	Total Debt Service	Principal	1,000,000	2,000,000	2,000,000	2,000,000
9		Interest	1,000,000	1,000,000	1,000,000	1,000,000
10		Total	2,000,000	3,000,000	3,000,000	3,000,000
11	Revenue Cover					
12	Total Debt Service Coverage (Net Revenues/Total Debt Service)		1.00	1.00	1.00	1.00

(1) Assumes the coverage relation is zero, will be Positive if actuals have occurred. (2) Revenues are net of Other Income. Source: WEBS Results.
(3) Reflects actual Series 2010 & Series 2012 Bonds, debt service.
(4) Assumes 1,000,000 new issue. Assumed to be issued during the current fiscal year as a 30 year maturity. Assumed to be issued during the current fiscal year as a 30 year maturity. 1,000,000 new issue. Assumed to be issued during the current fiscal year.
(5) Assumes 1,000,000 new issue. Assumed to be issued during the current fiscal year.

TABLE C-1
COMBINED UTILITY - PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description					
			2024	2025	2026	2027
1	Water Revenue - Existing Rates (1)		1,000,000	1,000,000	1,000,000	1,000,000
2	Wastewater Revenue - Existing Rates (1)		1,000,000	1,000,000	1,000,000	1,000,000
3	Combined Revenue - Existing Rates (1)		2,000,000	2,000,000	2,000,000	2,000,000
	Additional Revenue Requirements					
	Water Revenue Requirements					
			0	0	0	0
4	1st Year	0.00%	0			
5	2nd Year	0.00%	0	0	0	0
6	3rd Year	0.00%	0	0	0	0
7	4th Year	0.00%	0	0	0	0
8	5th Year	0.00%	0	0	0	0
9	Total Additional Water Revenue Required		0	0	0	0
10	Wastewater Revenue Requirements					
			0	0	0	0
11	1st Year	0.00%	0			
12	2nd Year	0.00%	0	0	0	0
13	3rd Year	0.00%	0	0	0	0
14	4th Year	0.00%	0	0	0	0
15	5th Year	0.00%	0	0	0	0
16	Total Additional Wastewater Revenue Required		0	0	0	0
17	Total Additional Revenue Required		0	0	0	0
18	Other Revenue (2)					
19	Water Revenue		400,000	400,000	400,000	400,000
20	Wastewater Revenue		400,000	400,000	400,000	400,000
21	Other Revenue (2)		800,000	800,000	800,000	800,000
22	Interest Income		10,000	10,000	10,000	10,000
23	Other Revenue		0	0	0	0
24	Other Revenue		0	0	0	0
25	Other Revenue		0	0	0	0
26	Total		810,000	810,000	810,000	810,000
27	Operating Revenue		1,210,000	1,210,000	1,210,000	1,210,000
28	Operating Revenues Requirements		(810,000)	(810,000)	(810,000)	(810,000)
29	Other Operating Revenues		800,000	800,000	800,000	800,000
30	Interest Income		10,000	10,000	10,000	10,000
31	Net Revenues Available for Additional Debt Service		1,010,000	1,010,000	1,010,000	1,010,000
32	NET REVENUES AFTER OPERATION AND MAINTENANCE		1,000,000	1,000,000	1,000,000	1,000,000
33	Existing Debt Service					
34		Principal	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
35		Interest	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
36		Total	(2,000,000)	(2,000,000)	(2,000,000)	(2,000,000)
37	Proposed Debt Service					
38		Principal	0	(1,000,000)	(1,000,000)	(1,000,000)
39		Interest	0	(1,000,000)	(1,000,000)	(1,000,000)
40		Total	0	(2,000,000)	(2,000,000)	(2,000,000)
41	Total Debt Service		(2,000,000)	(4,000,000)	(4,000,000)	(4,000,000)
42	Debt Service Coverage		1.00	1.00	1.00	1.00
43	Additional Other Sources					
44			0	0	0	0
45			0	0	0	0
46			0	0	0	0
47	Additional Other Sources		0	0	0	0
48	Additional Other Uses					
49			0	0	0	0
50			0	0	0	0
51			0	0	0	0
52	Additional Other Uses		0	0	0	0
53	NET CAPITAL ACCOUNT SURPLUS		0	0	0	0
54	TOTAL COVERAGE AND END-YR RESERVE BALANCE		1.00	1.00	1.00	1.00
55	Beginning Year Balance		100,000	100,000	100,000	100,000
56	Interest Earnings		0.00%	0.00%	0.00%	0.00%
57	Net					
58	Net of Five Revenues Bond Balance		100,000	100,000	100,000	100,000
59	Required Beginning Net Revenue Bond Balance		100	100	100	100
60	Transfer					
61		Revenue Commitment	(100,000)	(100,000)	(100,000)	(100,000)
62			0	0	0	0
63		Revenue Debt Service	0	0	0	0
64	Transfer		(100,000)	(100,000)	(100,000)	(100,000)
65	Net of Five Revenues Bond Balance		100,000	100,000	100,000	100,000
66	ENDING YEAR BALANCE		100,000	100,000	100,000	100,000
67	Beginning of Year Balance		100,000	100,000	100,000	100,000
68	Required Beginning Net Revenue Bond		100	100	100	100
69	Net of Five Revenues Bond Balance		100,000	100,000	100,000	100,000

(1) Assumes, after expanding and reorganizing costs, no beginning balance remains unbilled, and accounts receivable is the Revenue Bond. Variables: Water Revenue, Wastewater Revenue, Bond Balance, and O&M Expenses are assumed to be influenced by Regional Discussions, and O&M Budget Discussions, and O&M Budget Discussions.
(2) Assumes, after expanding and reorganizing costs, no beginning balance remains unbilled, and accounts receivable is the Revenue Bond. Variables: Water Revenue, Wastewater Revenue, Bond Balance, and O&M Expenses are assumed to be influenced by Regional Discussions, and O&M Budget Discussions, and O&M Budget Discussions.
(3) Reflects Additional Coverage Transfer, Bond Transfer, Capital Transfer, Renewal Transfer, Operating Transfer, Rate Stabilization Transfer, Rate Stabilization Transfer, Capital Transfer, Renewal Transfer, Operating Transfer, Rate Stabilization Transfer, Rate Stabilization Transfer, Rate Stabilization

Description	Table Number	Page Ref.	Calculation Page Reference
NON RESIDENTIAL MEAN GROSS AREA AND IMPERVIOUS AREA	TABLE SW-1	SW TABLE 1	Assumptions
DETERMINATION OF BILLABLE PARCELS	TABLE SW-2	SW TABLE 2	Customer
DETERMINATION OF BILLABLE GROSS AREA	TABLE SW-3	SW TABLE 3	Customer
DETERMINATION OF BILLABLE IMPERVIOUS AREA	TABLE SW-4	SW TABLE 4	Customer
CREDITS PROJECTIONS	TABLE SW-5		
PROJECTIONS OF BILLABLE PARCELS, GROSS AREA AND IMPERVIOUS AREA	TABLE SW-10	SW TABLE 10	Customer
GA AND IA MANAGED CREDIT PROJECTION FACTORS	TABLE SW-11	SW TABLE 11	
PROJECTED NUMBER OF BILLABLE ACCOUNTS	TABLE SW-12	SW TABLE 12	Customer

Area Conversion Factor 1000

TABLE SW-1: NON-RESIDENTIAL MEAN GROSS AREA & IMPERVIOUS AREA (SF)

	FY 2015 MEAN GA	FY 2015 MEAN IA
Non-Residential Sub-Classes		
Non-Discount		
Water & Sewer	22,411	14,128
SW Only	6,940	2,295
Discount: Non-PHA		
Water & Sewer	90,856	46,926
SW Only	21,591	12,580
Discount: PHA		
Water & Sewer	46,130	23,030
SW Only	4,210	1,088
City Owned		
Water & Sewer	482,118	144,603
SW Only	95,329	14,557
Condominiums Sub-Classes		
Non-Discount		
Water & Sewer	15,060	10,136
SW Only	10,697	6,821
Discount: Non-PHA		
Water & Sewer	55,948	26,439
SW Only	24,687	20,647
Discount: PHA		
Water & Sewer	9,358	6,158
SW Only	0	0
City Owned		
Water & Sewer	8,543	7,842
SW Only	0	0

TABLE SW-2: DETERMINATION OF BILLABLE PARCELS							
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Exemptions % FY 2016
Residential							
Initial Parcel Count	460,311	460,311	460,311	460,311	460,311	460,311	
Less Stormwater Appeals/Data Adjustments	96	185	268	347	422	494	121.4%
Subtotal Residential	460,215	460,126	460,043	459,964	459,889	459,817	
Non-Residential							
Initial Parcel Count	73,805	73,805	73,805	73,805	73,805	73,805	
Less Stormwater Appeals/Data Adjustments	(17)	(34)	(51)	(68)	(85)	(102)	0.0%
Subtotal Non Residential	73,822	73,839	73,856	73,873	73,890	73,907	
Condominium							
Initial Parcel Count	1,671	1,671	1,671	1,671	1,671	1,671	
Less Stormwater Appeals/Data Adjustments	-	-	-	-	-	-	0.0%
Subtotal Condominium	1,671	1,671	1,671	1,671	1,671	1,671	
TOTAL: System Billable Parcels	**535,708**	**535,636**	**535,570**	**535,508**	**535,450**	**535,395**	**0.0%**

1: Comprises Residential Sideyards
2: Comprises City owned vacant lots transitioning to private ownership; the values reflect the cumulative GAIN each year.

TABLE SW-3: DETERMINATION OF BILLABLE GROSS AREA (sf)							
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	GA Loss % FY 2016
Residential							
Initial GA	971,256,210	971,256,210	971,256,210	971,256,210	971,256,210	971,256,210	
Less Stormwater Appeals/Data Adjustments	444,000	853,000	1,237,000	1,602,000	1,948,000	2,278,000	0.02%
Subtotal Residential Billable GA (sf)	970,812,210	970,403,210	970,019,210	969,654,210	969,308,210	968,978,210	
Non-Residential							
Initial GA	1,448,677,889	1,448,677,889	1,448,677,889	1,448,677,889	1,448,677,889	1,448,677,889	
Less Credits Adjustments	252,891,702	268,790,989	284,787,225	301,276,374	317,765,532	334,254,681	10.34%
Less Stormwater Appeals/Data Adjustments	971,000	1,851,000	2,671,000	3,443,000	4,169,000	4,851,000	-0.01%
Subtotal Non Residential Billable GA (sf)	1,194,815,187	1,178,035,900	1,161,219,663	1,143,958,515	1,126,743,356	1,109,572,208	
Condominium							
Initial GA	26,387,654	26,387,654	26,387,654	26,387,654	26,387,654	26,387,654	
Less Credits Adjustments	5,682,878	6,040,531	6,400,365	6,771,286	7,142,208	7,513,129	0.23%
Subtotal Condominium Billable GA (sf)	20,704,776	20,347,123	19,987,289	19,616,368	19,245,446	18,874,525	
TOTAL: System Billable GA (sf)	**2,186,332,173**	**2,168,786,233**	**2,151,226,163**	**2,133,229,093**	**2,115,297,013**	**2,097,424,943**	**10.63%**

1: Comprises Residential Sideyards

2: Includes adjustments for GA and IA data inaccuracies & City owned vacant lots transitioning to private ownership. This line reflects the net impact from these two adjustments.

TABLE SW-4: DETERMINATION OF BILLABLE IMPERVIOUS AREA (sf)

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	IA Loss % FY 2016
Residential							
Initial IA	483,325,000	483,325,000	483,325,000	483,325,000	483,325,000	483,325,000	
Less Stormwater Appeals/Data Adjustments	35,000	68,000	99,000	128,000	155,000	182,000	0.00%
Subtotal Residential Billable IA (sf)	483,290,000	483,257,000	483,226,000	483,197,000	483,170,000	483,143,000	
Non-Residential							
Initial IA	715,073,000	715,073,000	715,073,000	715,073,000	715,073,000	715,073,000	
Less Credits Adjustments	86,253,329	95,028,393	103,981,020	113,517,356	123,162,288	132,929,388	7.09%
Less Stormwater Appeals/Data Adjustments	959,000	1,840,000	2,668,000	3,452,000	4,197,000	4,903,000	0.00%
Subtotal Non Residential Billable IA (sf)	627,860,671	618,204,607	608,423,980	598,103,644	587,713,712	577,240,612	
Condominium							
Initial IA	17,387,695	17,387,695	17,387,695	17,387,695	17,387,695	17,387,695	
Less Credits Adjustments	2,703,141	2,978,267	3,258,960	3,557,954	3,860,352	4,166,582	0.22%
Subtotal Condominium Billable IA (sf)	14,684,554	14,409,428	14,128,735	13,829,741	13,527,343	13,221,113	
TOTAL: System Billable IA (sf)	**1,125,835,225**	**1,115,871,035**	**1,105,778,715**	**1,095,130,385**	**1,084,411,055**	**1,073,604,725**	**7.40%**

1: Comprises Residential Sideyards

2: Includes adjustments for GA and IA data inaccuracies & City owned vacant lots transitioning to private ownership. This line reflects the net impact from these two adjustments.

TABLE SW-5: CREDITS PROJECTIONS								
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	GA Loss % FY 2016	
PARCELS (#)								
IAR Practices	366	414	468	529	598	676		
GA/IA Management Practices [1]	574	609	638	660	674	679		
SMIP/GARP	20	30	40	50	60	70		
Subtotal	960	1,053	1,146	1,239	1,332	1,425		Input from UOS
IMPERVIOUS AREA (sf)								
IAR Practices	5,124,000	5,796,000	6,552,000	7,406,000	8,372,000	9,464,000	5.8%	6.9%
GA/IA Management Practices [1]	75,010,128	78,982,255	82,954,382	86,926,509	90,898,636	94,870,763	84.3%	69.2%
SMIP/GARP	8,822,340	13,228,412	17,733,605	22,742,807	27,752,010	32,761,212	9.9%	23.9%
Subtotal	88,956,468	98,006,667	107,239,987	117,075,316	127,022,646	137,095,975	**100.0%**	
GROSS AREA (sf)								
IAR Practices	-	-	-	-	-	-	0.0%	0.0%
GA/IA Management Practices [1]	250,965,971	262,816,843	274,667,715	286,518,587	298,369,459	310,220,331	97.1%	90.8%
SMIP/GARP	7,608,605	12,014,677	16,519,870	21,529,072	26,538,275	31,547,477	2.9%	9.2%
Subtotal	258,574,576	274,831,520	291,187,585	308,047,659	324,907,734	341,767,808	**100.0%**	

Notes

1: GA/IA Management Practices Credits include Surface and Non-Surface Discharge credits for IA managed and open space

TABLE SW-10: PROJECTIONS OF BILLABLE PARCELS, GROSS AREA, AND IMPERVIOUS AREA

SECTION A: NUMBER OF BILLABLE PARCELS (PROJECTED)

CUSTOMER CLASS	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	2016 (%)	015
Residential	460,215	460,126	460,043	459,964	459,889	459,817	85.9%	
Non-Residential	73,822	73,839	73,856	73,873	73,890	73,907	13.8%	
Condominium	1,671	1,671	1,671	1,671	1,671	1,671	0.3%	
Total: Number of Billable Parcels	535,708	535,636	535,570	535,508	535,450	535,395	**100.0%**	0.0%

SECTION B: BILLABLE GROSS AREA (PROJECTED - sf)

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	2016 (%)
Residential	970,812,210	970,403,210	970,019,210	969,654,210	969,308,210	968,978,210	44.4%
Non-Residential	1,194,815,187	1,178,035,900	1,161,219,663	1,143,958,515	1,126,743,356	1,109,572,208	54.6%
Condominium	20,704,776	20,347,123	19,987,289	19,616,368	19,245,446	18,874,525	0.9%
Total: Billable Gross Area	2,186,332,173	2,168,786,233	2,151,226,163	2,133,229,093	2,115,297,013	2,097,424,943	**100.0%**	-11.5%

SECTION C: BILLABLE IMPERVIOUS AREA (PROJECTED - sf)

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	2016 (%)
Residential	483,290,000	483,257,000	483,226,000	483,197,000	483,170,000	483,143,000	42.9%
Non-Residential	627,860,671	618,204,607	608,423,980	598,103,644	587,713,712	577,240,612	55.8%
Condominium	14,684,554	14,409,428	14,128,735	13,829,741	13,527,343	13,221,113	1.3%
Total: Billable Impervious Area	1,125,835,225	1,115,871,035	1,105,778,715	1,095,130,385	1,084,411,055	1,073,604,725	**100.0%**	-14.0%

TABLE SW-11: GA AND IA MANAGED CREDIT PROJECTION FACTORS			
	FY 2015 Increase in Parcels	FY 2015 Average GA Credit	FY 2015 Average IA Credit
Discharge Type: Non-Surface Discharge		(sf)	(sf)
Impervious Area Managed	66	14,722	14,722
Open Space	66	31,987	
Discharge Type: Surface Discharge		(sf)	(sf)
Impervious Area Managed	29	103,464	103,464
Open Space	29	198,884	

Input from UOS

TABLE SW-12: PROJECTED NUMBER OF BILLABLE ACCOUNTS							
CUSTOMER CLASS	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	2016 (%)
Residential	461,580	461,580	461,580	461,580	461,580	461,580	84.3%
Non-Residential	80,193	80,193	80,193	80,193	80,193	80,193	14.7%
Condominium	4,043	4,043	4,043	4,043	4,043	4,043	0.7%
Residential-City	136	136	136	136	136	136	0.0%
Non-Residential-City	1,314	1,314	1,314	1,314	1,314	1,314	0.2%
Condominium-City	3	3	3	3	3	3	0.0%
Total	547,269	547,269	547,269	547,269	547,269	547,269	**100.0%**

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Description	Table N	Page Ref.	Calculation Page Reference
Appendix 1 - O&M Actual to Budget Factors by Class	TABL	Appendix 1	Assumptions
Appendix 2 - Water Fund Historical O&M Costs	TABL	Appendix 2	Inter Departmental O&M
Appendix 3 - Industry Indices Data	TABL	Appendix 3	

Appendix 1
Actual to Budget Factors

		Factor Used	Historical Average 3 Year	Actual to Budget Factor 2015	Actual to Budget Factor 2014	Actual to Budget Factor 2013	Actual O&M Expense 2015	Actual O&M Expense 2014	Actual O&M Expense 2013	Budgeted O&M Expense 2015	Budgeted O&M Expense 2014	Budgeted O&M Expense 2013
Human Resources and Administration												
Salaries & Wages	100	95.07%	95.07%	98.04%	97.33%	89.45%	$ 8,502,816	$ 7,650,763	$ 6,911,366	$ 8,673,039	$ 7,860,450	$ 7,726,550
Services	200	75.98%	75.98%	78.04%	79.36%	67.30%	$ 4,562,319	$ 3,277,947	$ 2,019,108	$ 5,846,000	$ 4,130,600	$ 2,999,990
Materials and Supplies	300	69.40%	69.40%	59.66%	82.01%	72.05%	$ 725,233	$ 632,835	$ 575,822	$ 1,215,550	$ 771,700	$ 799,164
Equipment	400	108.90%	108.90%	98.33%	171.52%	94.67%	$ 413,078	$ 140,816	$ 46,389	$ 420,100	$ 82,100	$ 49,000
Contributions	500	0.00%	0.00%	0.00%	0.00%	0.00%	$ -	$ -	$ -	$ 100,000	$ 100,000	$ 100,000
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Human Resources and Administration			86.75%	87.38%	90.40%	81.82%	$ 14,203,446	$ 11,702,361	$ 9,552,685	$ 16,254,689	$ 12,944,850	$ 11,674,704
Finance												
Salaries & Wages	100	82.47%	82.47%	87.78%	84.77%	73.40%	$ 2,170,853	$ 1,849,144	$ 1,472,571	$ 2,472,925	$ 2,181,400	$ 2,006,100
Services	200	51.62%	51.62%	65.70%	58.28%	40.51%	$ 4,811,153	$ 4,366,100	$ 5,577,954	$ 7,322,500	$ 7,491,000	$ 13,768,110
SMIP/GARP	2xx	100.00%	104.46%	113.15%	96.54%	95.18%	$ 11,598,134	$ 5,020,143	$ 4,925,776	$ 10,250,000	$ 5,200,000	$ 5,175,000
Materials and Supplies	300	25.78%	25.78%	5.28%	15.26%	47.53%	$ 23,023	$ 124,596	$ 383,299	$ 436,200	$ 816,400	$ 806,436
Equipment	400	64.79%	64.79%	0.00%	92.95%	40.08%	$ -	$ 521,252	$ 244,778	$ 10,800	$ 560,800	$ 610,800
Contributions	500	100.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	62.12%	62.12%	44.60%	58.25%	85.62%	$ 6,244,621	$ 7,714,419	$ 10,792,914	$ 14,000,000	$ 13,243,100	$ 12,605,000
Subtotal Finance			68.56%	72.04%	66.44%	66.90%	$ 24,847,784	$ 19,595,654	$ 23,397,293	$ 34,492,425	$ 29,492,700	$ 34,971,446
Planning and Engineering												
Salaries & Wages	100	88.82%	88.82%	97.38%	82.27%	86.98%	$ 1,199,514	$ 1,043,846	$ 1,057,108	$ 1,231,738	$ 1,268,860	$ 1,215,300
Services	200	39.95%	39.95%	60.29%	31.24%	32.20%	$ 297,188	$ 155,719	$ 235,838	$ 492,900	$ 498,500	$ 732,500
Materials and Supplies	300	76.27%	76.27%	51.55%	59.36%	129.57%	$ 102,067	$ 105,252	$ 191,888	$ 198,000	$ 177,300	$ 148,100
Equipment	400	18.54%	18.54%	24.77%	12.48%	27.20%	$ 14,614	$ 27,449	$ 30,333	$ 59,000	$ 220,000	$ 111,500
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Planning and Engineering			70.21%	81.42%	61.55%	68.64%	$ 1,613,383	$ 1,332,266	$ 1,515,167	$ 1,981,638	$ 2,164,660	$ 2,207,400

Note: Spend factors using a 3-year average are shown in yellow and those not using a 3-year average are shown in blue.

Appendix 1
Actual to Budget Factors (Continued)

		Factor Used	Historical Average 3 Year	Actual to Budget Factor 2015	Actual to Budget Factor 2014	Actual to Budget Factor 2013	Actual O&M Expense 2015	Actual O&M Expense 2014	Actual O&M Expense 2013	Budgeted O&M Expense 2015	Budgeted O&M Expense 2014	Budgeted O&M Expense 2013
Operations												
Salaries & Wages	100	95.21%	95.21%	100.61%	94.76%	90.17%	$ 71,789,745	$ 65,710,338	$ 63,390,240	$ 71,357,193	$ 69,343,900	$ 70,297,400
Services	200	88.35%	88.35%	87.21%	84.94%	93.44%	$ 55,277,653	$ 55,165,835	$ 53,779,374	$ 63,381,100	$ 64,948,600	$ 57,556,100
Power	220	80.71%	80.71%	79.44%	79.42%	83.02%	$ 20,427,534	$ 21,440,579	$ 24,375,674	$ 25,714,000	$ 26,994,900	$ 29,362,900
Materials and Supplies	300	87.49%	87.49%	82.35%	84.83%	95.48%	$ 14,703,881	$ 14,625,464	$ 16,475,057	$ 17,855,400	$ 17,240,200	$ 17,255,800
Chemicals	307	98.20%	98.20%	94.32%	104.31%	96.03%	$ 22,324,969	$ 24,446,114	$ 22,602,203	$ 23,668,950	$ 23,435,500	$ 23,537,400
Equipment	400	66.58%	66.58%	77.30%	59.18%	65.12%	$ 1,219,613	$ 1,172,215	$ 994,870	$ 1,577,800	$ 1,980,700	$ 1,527,800
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Operations			90.59%	91.25%	89.52%	91.02%	$ 185,743,395	$ 182,560,545	$ 181,617,418	$ 203,554,443	$ 203,943,800	$ 199,537,400
Planning & Environmental Services												
Salaries & Wages	100	99.12%	99.12%	96.55%	101.25%	99.99%	$ 12,135,854	$ 11,080,774	$ 10,315,992	$ 12,569,537	$ 10,944,400	$ 10,316,700
Services	200	95.08%	95.08%	100.06%	90.22%	94.19%	$ 22,388,075	$ 17,411,374	$ 18,442,417	$ 22,374,200	$ 19,299,800	$ 19,579,700
Materials and Supplies	300	73.84%	73.84%	73.34%	86.13%	63.69%	$ 989,788	$ 1,015,983	$ 867,520	$ 1,349,600	$ 1,179,600	$ 1,362,100
Equipment	400	50.63%	50.63%	32.20%	62.82%	50.59%	$ 187,954	$ 556,793	$ 470,735	$ 583,650	$ 886,400	$ 930,500
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Planning & Environmental Services			94.56%	96.81%	93.05%	93.50%	$ 35,701,671	$ 30,064,924	$ 30,096,664	$ 36,876,987	$ 32,310,200	$ 32,189,000
Public Affairs												
Salaries & Wages	100	93.76%	93.76%	95.96%	93.21%	91.69%	$ 2,644,067	$ 2,260,265	$ 2,110,697	$ 2,755,277	$ 2,424,900	$ 2,301,900
Services	200	90.51%	90.51%	91.83%	93.27%	86.21%	$ 8,001,034	$ 7,244,654	$ 6,591,039	$ 8,712,700	$ 7,767,700	$ 7,645,200
Materials and Supplies	300	51.09%	51.09%	41.94%	45.19%	68.57%	$ 156,358	$ 168,011	$ 219,959	$ 372,800	$ 371,800	$ 320,800
Equipment	400	70.16%	70.16%	88.75%	7.32%	114.41%	$ 13,757	$ 1,134	$ 17,734	$ 15,500	$ 15,500	$ 15,500
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Public Affairs			89.94%	91.22%	91.44%	86.93%	$ 10,815,216	$ 9,674,064	$ 8,939,429	$ 11,856,277	$ 10,579,900	$ 10,283,400

Note: Spend factors using a 3-year average are shown in yellow and those not using a 3-year average are shown in blue.

Appendix 1
Actual to Budget Factors (Continued)

		Factor Used	Historical Average 3 Year	Actual to Budget Factor 2015	2014	2013	Actual O&M Expense 2015	2014	2013	Budgeted O&M Expense 2015	2014	2013
Division of Technology												
Salaries & Wages	100	81.64%	81.64%	89.96%	82.50%	72.12%	$ 5,233,042	$ 4,621,214	$ 4,039,582	$ 5,816,911	$ 5,601,271	$ 5,601,271
Services	200	89.53%	89.53%	88.54%	88.47%	91.82%	$ 10,226,939	$ 9,567,462	$ 9,214,801	$ 11,551,218	$ 10,814,511	$ 10,035,811
Materials and Supplies	300	76.76%	76.76%	88.52%	78.33%	59.32%	$ 1,609,074	$ 944,117	$ 791,307	$ 1,817,650	$ 1,205,350	$ 1,334,050
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Division of Technology			86.00%	88.97%	85.88%	82.76%	$ 17,069,055	$ 15,132,793	$ 14,045,690	$ 19,185,779	$ 17,621,132	$ 16,971,132
Mayor's Office of Transportation & Utilities												
Salaries & Wages	100	96.99%	96.99%	98.74%	92.89%	100.00%	$ 227,983	$ 208,176	$ 169,948	$ 230,886	$ 224,100	$ 169,948
Services	200	96.00%	0.00%		0.00%	0.00%	$ -	$ -	$ -	$ -	$ 86,400	$ 66,400
Materials and Supplies	300	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Mayor's Office of Transportation & Utilities			77.93%	98.74%	67.05%	71.91%	$ 227,983	$ 208,176	$ 169,948	$ 230,886	$ 310,500	$ 236,348
Police												
Salaries & Wages	100	100.00%					$ -	$ -	$ -	$ -	$ -	$ -
Services	200	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Police							$ -	$ -	$ -	$ -	$ -	$ -

Note: Spend factors using a 3-year average are shown in yellow and those not using a 3-year average are shown in blue.

Appendix 1
Actual to Budget Factors (Continued)

		Factor Used	Historical Average 3 Year	Actual to Budget Factor 2015	2014	2013	Actual O&M Expense 2015	2014	2013	Budgeted O&M Expense 2015	2014	2013
Public Property												
Salaries & Wages	100	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Services	200	100.00%	100.00%	100.00%	100.00%	100.00%	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,959,919	$ 3,786,428	$ 3,739,360
Materials and Supplies	300	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Public Property			100.00%	100.00%	100.00%	100.00%	$ 3,959,919	$ 3,786,428	$ 3,739,360	$ 3,959,919	$ 3,786,428	$ 3,739,360
Fleet Management												
Salaries & Wages	100	90.75%	90.75%	87.65%	91.82%	93.02%	$ 2,602,612	$ 2,521,284	$ 2,554,406	$ 2,969,317	$ 2,745,986	$ 2,745,986
Services	200	85.56%	85.56%	99.95%	96.63%	60.10%	$ 1,488,271	$ 1,438,785	$ 894,932	$ 1,489,000	$ 1,489,000	$ 1,489,000
Materials and Supplies	300	95.35%	95.35%	99.01%	98.86%	88.18%	$ 4,232,497	$ 4,225,827	$ 3,769,562	$ 4,274,640	$ 4,274,640	$ 4,274,640
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Fleet Management			92.14%				$ 8,323,380	$ 8,185,896	$ 7,218,900	$ 8,732,957	$ 8,509,626	$ 8,509,626
City Finance												
Salaries & Wages	100	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Benefits	1xx	92.93%	92.93%	90.91%	94.73%	93.60%	$ 48,293,131	$ 41,044,344	$ 40,369,391	$ 53,120,209	$ 43,330,000	$ 43,130,000
Pension	191	83.44%	83.44%	97.29%	78.49%	76.13%	$ 40,861,335	$ 38,305,052	$ 35,507,147	$ 42,000,000	$ 48,800,000	$ 46,638,000
Pension Obligations	190	172.27%	172.27%	97.57%	215.87%	216.88%	$ 11,415,451	$ 22,450,403	$ 20,452,252	$ 11,700,000	$ 10,400,000	$ 9,430,000
Services	200	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	76.75%	76.75%	59.09%	92.86%	78.31%	$ 3,840,767	$ 6,036,098	$ 5,090,210	$ 6,500,000	$ 6,500,000	$ 6,500,000
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal City Finance			95.62%	92.14%	98.90%	95.95%	$ 104,410,684	$ 107,835,896	$ 101,418,999	$ 113,320,209	$ 109,030,000	$ 105,698,000

Note: Spend factors using a 3-year average are shown in yellow and those not using a 3-year average are shown in blue.

Appendix 1
Actual to Budget Factors (Continued)

		Factor Used	Historical Average 3 Year	Actual to Budget Factor 2015	Actual to Budget Factor 2014	Actual to Budget Factor 2013	Actual O&M Expense 2015	Actual O&M Expense 2014	Actual O&M Expense 2013	Budgeted O&M Expense 2015	Budgeted O&M Expense 2014	Budgeted O&M Expense 2013
Revenue												
Salaries & Wages	100	88.85%	88.85%	87.81%	86.71%	92.14%	$ 10,013,594	$ 9,701,251	$ 10,020,393	$ 11,404,254	$ 11,188,570	$ 10,874,716
Services	200	100.22%	100.22%	99.92%	100.80%	99.93%	$ 4,241,117	$ 4,133,603	$ 4,020,068	$ 4,244,480	$ 4,100,780	$ 4,022,815
Materials and Supplies	300	84.04%	84.04%	98.42%	87.32%	69.45%	$ 630,784	$ 688,157	$ 561,421	$ 640,920	$ 788,120	$ 808,425
Equipment	400	95.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	24.05%	24.05%	25.46%	32.07%	11.33%	$ 1,273	$ 481	$ 170	$ 5,000	$ 1,500	$ 1,500
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Revenue			91.54%	91.36%	90.33%	92.96%	$ 14,886,768	$ 14,523,492	$ 14,602,052	$ 16,294,654	$ 16,078,970	$ 15,707,456
Procurement												
Salaries & Wages	100	89.35%	89.35%	78.66%	90.90%	99.79%	$ 60,866	$ 62,746	$ 68,882	$ 77,383	$ 69,028	$ 69,028
Services	200	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Materials and Supplies	300	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Procurement			89.35%	78.66%	90.90%	99.79%	$ 60,866	$ 62,746	$ 68,882	$ 77,383	$ 69,028	$ 69,028
Law												
Salaries & Wages	100	90.42%	90.42%	85.29%	90.15%	96.11%	$ 2,137,491	$ 2,192,613	$ 2,281,362	$ 2,506,206	$ 2,432,087	$ 2,373,754
Services	200	73.46%	73.46%	44.77%	96.99%	78.62%	$ 309,631	$ 670,808	$ 543,724	$ 691,614	$ 691,614	$ 691,614
Materials and Supplies	300	47.32%	47.32%	18.60%	38.74%	84.61%	$ 8,002	$ 16,663	$ 36,392	$ 43,010	$ 43,010	$ 43,010
Equipment	400	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Contributions	500	100.00%					$ -	$ -	$ -	$ -	$ -	$ -
Transfers	800	0.00%					$ -	$ -	$ -	$ -	$ -	$ -
Subtotal Law			86.14%	75.76%	90.95%	92.06%	$ 2,455,124	$ 2,880,084	$ 2,861,478	$ 3,240,830	$ 3,166,711	$ 3,108,378

Note: Spend factors using a 3-year average are shown in yellow and those not using a 3-year average are shown in blue.

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Appendix 2
Water Fund Historical O&M Costs

Description	Account	Sub-Account	Escalation Reference	Historical 2010	2011	2012	2013	2014	2015
PWD Operating and Maintenance Expenses Summary									
	100	Salaries & Wages		$ 101,721,666	$ 101,283,104	$ 100,874,990	$ 104,392,548	$ 108,902,414	$ 118,718,437
	1xx	Benefits		$ 39,974,376	$ 42,279,349	$ 38,395,202	$ 40,369,391	$ 41,044,344	$ 48,293,131
	191	Pension		$ 20,744,208	$ 32,719,112	$ 38,770,167	$ 35,507,147	$ 38,305,052	$ 40,861,335
	190	Pension Obligations		$ 6,749,386	$ 9,449,462	$ 9,843,048	$ 20,452,252	$ 22,450,403	$ 11,415,451
	200	Services		$ 86,087,913	$ 89,667,061	$ 99,145,698	$ 105,058,615	$ 107,218,715	$ 115,563,299
	220	Power		$ 20,191,277	$ 27,311,199	$ 24,841,360	$ 24,375,674	$ 21,440,579	$ 20,427,534
	2xx	SMIP/GARP		$ -	$ -	$ 5,025,000	$ 4,925,776	$ 5,020,143	$ 13,598,134
	300	Materials and Supplies		$ 20,467,579	$ 21,273,199	$ 23,282,558	$ 23,872,227	$ 22,546,905	$ 23,180,707
	307	Chemicals		$ 21,927,884	$ 19,400,817	$ 20,239,205	$ 22,602,203	$ 24,446,114	$ 22,324,969
	400	Equipment		$ 1,618,634	$ 1,564,000	$ 2,082,059	$ 1,804,839	$ 2,419,659	$ 1,849,016
	500	Contributions		$ 4,897,054	$ 5,383,840	$ 3,047,230	$ 5,090,380	$ 6,036,579	$ 3,842,040
	800	Transfers		$ 9,498,869	$ 7,754,262	$ 9,074,729	$ 10,792,914	$ 7,714,419	$ 6,244,621
Total PWD Operating and Maintenance Expenses Summary				**$ 333,878,846**	**$ 358,085,405**	**$ 374,621,246**	**$ 399,243,964**	**$ 407,545,325**	**$ 426,318,674**
PWD Operating and Maintenance Expenses Summary - Annual Increase									
	100	Salaries & Wages			-0.43%	-0.40%	3.49%	4.32%	9.01%
	1xx	Benefits			5.77%	-9.19%	5.14%	1.67%	17.66%
	191	Pension			57.73%	18.49%	-8.42%	7.88%	6.67%
	190	Pension Obligations			40.00%	4.17%	107.78%	9.77%	-49.15%
	200	Services			4.16%	10.57%	5.96%	2.06%	7.78%
	220	Power			35.26%	-9.04%	-1.87%	-12.04%	-4.72%
	2xx	SMIP/GARP					-1.97%	1.92%	170.87%
	300	Materials and Supplies			3.94%	9.45%	2.53%	-5.55%	2.81%
	307	Chemicals			-11.52%	4.32%	11.68%	8.16%	-8.68%
	400	Equipment			-3.38%	33.12%	-13.31%	34.07%	-23.58%
	500	Contributions			9.94%	-43.40%	67.05%	18.59%	-36.35%
	800	Transfers			-18.37%	17.03%	18.93%	-28.52%	-19.05%
Total PWD Operating and Maintenance Expenses Summary - Annual Increase					7.25%	4.62%	6.57%	2.08%	4.61%
PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase									
	100	Salaries & Wages					0.87%	2.45%	5.58%

1xx	Benefits	0.33%	-0.98%	7.95%
191	Pension	19.62%	5.39%	1.77%
190	Pension Obligations	44.71%	33.44%	5.06%
200	Services	6.86%	6.14%	5.24%
220	Power	6.48%	-7.75%	-6.31%
2xx	SMIP/GARP			39.35%
300	Materials and Supplies	5.26%	1.96%	-0.15%
307	Chemicals	1.01%	8.01%	3.32%
400	Equipment	3.70%	15.66%	-3.88%
500	Contributions	1.30%	3.89%	8.03%
800	Transfers	4.35%	-0.17%	-11.71%
Total PWD Operating and Maintenance Expenses Summary - 3 Year Average Increase		**6.14%**	**4.41%**	**4.40%**

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Appendix 3
Industry Indices Data

Fiscal Year	Price Indices									
	Consumer Price Index All Urban Consumers Philadelphia Area		Producer Price Index Materials for Construction		Producer Price Index Construction Machinery & Equipment		Producer Price Index Industrial Chemicals		Consumer Price Index Electricity Philadelphia Area	
	Raw Number	% Change	Raw Number	% Change	Raw Number	% Change	Raw Number	% Change	Raw Number	% Change
2012	236.2	-	216	-	202	-	321	-	205	-
2013	240.0	1.61%	221	2.17%	209	3.37%	302	-6.04%	197	-3.99%
2014	242.7	1.13%	225	1.77%	213	1.97%	295	-2.48%	196	-0.41%
2015	244.2	0.62%	229	1.78%	216	1.46%	264	-10.53%	193	-1.73%
3-Year Avg.	**-**	**1.12%**	**-**	**1.91%**	**-**	**2.26%**	**-**	**-6.41%**	**-**	**-2.05%**

Notes: All consumer and producer price indexes are from the Bureau of Labor Statistics. References are provdied below.
Indexes are presented as the fiscal year average based upon the associated Water Department's fiscal year.
Indexes are not seasonally adjusted.

Index	Series Id (s)	Area	Items	Base Period
CPI - All Urban Consumers - Philadelphia Area	CUURA102SA0, CUUSA102SA0	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	All Items	1982-84=100
CPI - Electricity - Philadelphia Area	CUURA102SEHF01, CUUSA102SEHF01	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	Electricity	1982-84=100

Index	Series Id	Group	Items	Base Date
PPI - Materials for Construction	WPUSOP2200	Stage of processing	Materials and components for construction	198200
PPI - Construction Machinery & Equipment	WPU112	Machinery and equipment	Construction machinery and equipment	198200
PPI - Industrial Chemicals	WPU061	Chemicals and allied products	Industrial chemicals	198200

Appendix 4
O&M Costs Escalation Factors

Description		2016	2017	2018	2019	2020	2021
Mayor's Budget Escalation Factors							
200	Public Property	3.00%	-0.93%	4.76%	1.91%	1.92%	2.00%
191	City Finance-Pension	0.00%	2.42%	1.66%	1.84%	1.43%	3.00%
190	City Finance-Pension Oblig	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1xx	City Finance-Benefits	4.62%	4.45%	4.59%	6.94%	4.03%	5.00%

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TABLE REV-1

PROJECTED ACCOUNTS

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Projected Accounts									
	Water Operations									
1	General Service	465,002	465,002	465,002	465,002	465,002	465,002	465,002	465,002	Includes Senior Citizens
2	City	972	972	972	972	972	972	972	972	Excludes Hydrants
3	PHA, Charities & Hospitals	9,005	9,005	9,005	9,005	9,005	9,005	9,005	9,005	
4	Private Fire Protection	4,104	4,104	4,104	4,104	4,104	4,104	4,104	4,104	Excludes Unmetered
5	Public Fire Protection (Hydrants)	25,364	25,364	25,364	25,364	25,364	25,364	25,364	25,364	
6	Wholesale	1	1	1	1	1	1	1	1	
7	Subtotal Water Accounts	504,448	504,448	504,448	504,448	504,448	504,448	504,448	504,448	
	Wastewater Operations									
8	General Service	462,086	462,086	462,086	462,086	462,086	462,086	462,086	462,086	Includes Senior Citizens and Sewer Only
9	City	862	862	862	862	862	862	862	862	
10	PHA, Charities & Hospitals	164,782	165,459	165,451	165,443	165,661	166,069	166,447	166,499	
11	Fire Protection	74	74	74	74	74	74	74	74	
12	Wholesale	12	12	12	12	12	12	12	12	
13	Surcharge	198	198	198	198	198	198	198	198	
14	Subtotal Sanitary Sewer Accounts	628,014	628,691	628,683	628,675	628,893	629,302	629,679	629,731	
15	Stormwater	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	

Notes

1 Retail Customers also includes Hand Billed, City Leased and Scheduled accounts.

TABLE REV-2

PROJECTED BILLED VOLUME

(in Mcf)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Projected Billed Volume									
	Water Operations									
1	General Service	5,317,075	5,320,266	5,319,982	5,319,697	5,327,468	5,342,018	5,355,469	5,357,313	Includes Senior Citizens
2	City	243,041	237,460	237,460	237,460	237,460	237,460	237,460	237,460	
3	PHA, Charities & Hospitals	643,148	661,840	661,840	661,840	661,840	661,840	661,840	661,840	
4	Private Fire Protection	11,569	11,081	11,081	11,081	11,081	11,081	11,081	11,081	
5	Public Fire Protection	0	0	0	0	0	0	0	0	
6	Wholesale	129,410	110,000	110,000	110,000	110,000	110,000	110,000	110,000	
7	Subtotal Water Billed Volume	6,344,242	6,340,646	6,340,362	6,340,078	6,347,848	6,362,399	6,375,850	6,377,693	
	Wastewater Operations									
8	General Service	5,232,184	5,235,376	5,235,091	5,234,807	5,242,577	5,257,128	5,270,579	5,272,422	Includes Senior Citizens and Sewer Only
9	City	247,108	232,000	232,000	232,000	232,000	232,000	232,000	232,000	
10	PHA, Charities & Hospitals	641,811	660,503	660,503	660,503	660,503	660,503	660,503	660,503	
11	Fire Protection	2,627	2,800	2,800	2,800	2,800	2,800	2,800	2,800	
12	Wholesale	3,880,996	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	
13	Surcharge									
14	Subtotal Wastewater Service Billings	10,004,725	10,162,879	10,162,595	10,162,310	#########	#########	10,198,082	10,199,926	

Notes

1 Retail Customers also includes Hand Billed, City Leased and Scheduled accounts.

TABLE REV-3

PROJECTED BILLINGS
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Projected Billings									
	Water Operations									
1	General Service	226,037	226,715	226,706	226,696	226,976	227,502	227,991	228,054	Includes Senior Citizens
2	City	7,720	7,566	7,566	7,566	7,566	7,566	7,566	7,566	
3	PHA, Charities & Hospitals	18,015	18,421	18,421	18,421	18,421	18,421	18,421	18,421	
4	Private Fire Protection	2,727	3,523	3,523	3,523	3,523	3,523	3,523	3,523	
5	Public Fire Protection	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	
6	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,692	
7	Subtotal Water Service Billings	266,416	268,079	268,069	268,060	268,340	268,866	269,355	269,418	
	Wastewater Operations									
8	General Service	183,918	184,421	184,413	184,405	184,623	185,031	185,409	185,460	Includes Senior Citizens and Sewer Only
9	City	5,787	6,969	6,969	6,969	6,969	6,969	6,969	6,969	
10	PHA, Charities & Hospitals	15,867	16,259	16,259	16,259	16,259	16,259	16,259	16,259	
11	Fire Protection	74	79	79	79	79	79	79	79	

12	Wholesale	31,548	31,706	31,706	31,706	31,706	31,706	31,706	31,706
13	Surcharge	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297
14	Stormwater	152,599	152,294	151,153	149,999	148,785	147,565	146,338	146,438
15	Subtotal Wastewater Service Billings	395,089	397,025	395,876	394,714	393,718	392,907	392,057	392,209
16	Total Billing	661,505	665,104	663,945	662,774	662,058	661,773	661,413	661,627

Notes

1 Retail Customers also includes Hand Billed, City Leased and Scheduled accounts.

TABLE REV-4

PROJECTED SERVICE REVENUE
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Projected Revenue									
	Water Operations									
1	Retail	235,321	235,727	236,036	236,049	236,284	236,755	237,226	237,338	Includes Senior Citizens
2	City	8,046	7,566	7,566	7,566	7,566	7,566	7,566	7,566	
3	Public Fire Protection	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	
4	Private Fire Protection	2,727	3,523	3,523	3,523	3,523	3,523	3,523	3,523	
5	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,692	
6	Subtotal Water Service Revenue	258,012	258,670	258,979	258,992	259,227	259,698	260,169	260,281	
	Wastewater Operations									
7	Retail	194,620	195,007	195,290	195,288	195,471	195,837	196,200	196,290	Includes Senior Citizens and Sewer Only
8	City	5,787	6,969	6,969	6,969	6,969	6,969	6,969	6,969	
9	Wholesale	33,221	31,706	31,706	31,706	31,706	31,706	31,706	31,706	
10	Surcharge	3,407	4,000	4,000	4,000	4,000	4,000	4,000	4,000	
11	Stormwater	153,615	153,014	152,104	150,950	149,722	148,482	147,233	147,158	
12	Subtotal Wastewater Service Revenue	390,651	390,696	390,070	388,913	387,868	386,994	386,109	386,123	
13	Total Service Revenue	648,663	649,366	649,049	647,905	647,095	646,692	646,278	646,404	
	Retail Non-City Water Revenues	40.3%	40.4%	40.5%	40.5%	40.6%	40.7%	40.9%	40.9%	
	Retail Non-City Sewer Revenues	33.4%	33.4%	33.5%	33.5%	33.6%	33.7%	33.8%	33.8%	
	Retail Non-City Stormwater Revenues	26.3%	26.2%	26.0%	26.0%	25.8%	25.6%	25.3%	25.3%	
	Total Retail Water, Sewer, Stormwater Revenues	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	

Notes

1 Retail Customers also includes Hand Billed, City Leased and Scheduled accounts.

TABLE REV-5

BILLING COMPARISON CALCULATED VS BASIS 2

(in thousands of dollars)

Line No.	Description	BV MODEL 2012	2013	2014	RFC Report 1 2012	2013	2014	Variance ($) 2012	2013	2014	Variance (%) 2012	2013	2014	
	Billing Comparison- Excluding Wholesale													
	Water Operations													
1	Retail	215,763	221,053	233,604	211,772	216,991	229,273	3,991	4,062	4,331	2%	2%	2%	
2	City	6,872	6,515	6,692	6,764	6,565	6,679	108	(50)	14	2%	-1%	0%	
3	Public Fire Protection	6,951	7,391	7,874	6,951	7,391	7,874	0	0	0	0%	0%	0%	
4	Private Fire Protection	2,711	2,717	3,027	2,934	2,939	3,176	(223)	(222)	(149)	-8%	-8%	-5%	
5	Subtotal Water Service Billings	232,297	237,677	251,197	228,420	233,887	247,001	3,877	3,789	4,195	2%	2%	2%	
	Wastewater Operations													
6	Retail	164,253	173,333	189,373	157,234	165,805	180,977	7,019	7,528	8,395	4%	5%	5%	
7	City	8,180	7,624	7,718	6,594	6,117	6,100	1,585	1,508	1,619	24%	25%	27%	
8	Surcharge	5,077	5,726	5,241	6,385	7,226	6,349	(1,308)	(1,500)	(1,108)	-20%	-21%	-17%	RFC Data Input
9	Stormwater	144,640	143,449	155,794	147,535	150,958	164,631	(2,894)	(7,509)	(8,837)	-2%	-5%	-5%	
10	Subtotal Wastewater Service Billings	322,150	330,132	358,126	317,747	330,106	358,056	4,402	26	69	1%	0%	0%	
11	Total Service Billings (Excluding Wholesale)	554,447	567,809	609,322	546,168	563,994	605,057	8,279	3,815	4,265	2%	1%	1%	

Notes

1 Retail Customers also includes Hand Billed, City Leased and Scheduled accounts.
2 City reflects water service billings only. Excludes miscellaneous services.
3 Retail and City Wastewater Operations include groundwater charges.

TABLE REV-6

DETAILED BILLING COMPARISON (BY CUSTOMER CLASS)
FISCAL YEAR
(in thousands of dollars)

Line No.	Description	BV MODEL 2012	2013	2014	RFC Report 1 2012	2013	2014	Variance ($) 2012	2013	2014	Variance (%) 2012	2013	2014
	Water-Non Discount												
1	Residential	141,864	144,103	150,280	140,646	143,792	149,875	1,218	310	406	1%	0%	0%
2	Commercial	37,196	39,849	42,910	36,011	38,293	41,358	1,186	1,556	1,552	3%	4%	4%
3	Industrial	3,013	2,696	3,079	2,632	2,326	2,617	382	369	462	14%	16%	18%

4	Public Utilities	217	288	303	211	280	296	5	8	7	3%	3%	2%
5	City	6,872	6,515	6,692	6,764	6,565	6,679	108	(50)	14	2%	-1%	0%
6	Private Fire Protection (includes unmetered)	2,711	2,717	3,027	2,934	2,939	3,176	(223)	(222)	(149)	-8%	-8%	-5%
7	Public Fire Protection (Hydrants)	6,951	7,391	7,874	6,951	7,391	7,874	0	0	0	0%	0%	0%
8	Wholesale	10,347	9,904	11,478									
9	Other (Hand-Billed, City Leased, Scheduled)	14,060	14,409	15,645	12,984	12,702	13,903	1,076	1,707	1,743	8%	13%	13%
10	**Subtotal Water Non Discount Billings**	**223,231**	**227,871**	**241,289**	**209,132**	**214,290**	**225,777**	**3,752**	**3,678**	**4,034**	**2%**	**2%**	**2%**
	Water-Discount												
11	Residential (Senior Citizens)	3,674	3,861	4,148	3,709	3,900	4,159	(35)	(39)	(12)	-1%	-1%	0%
12	Philadelphia Housing Authority (PHA)	5,283	5,180	5,580	5,265	5,177	5,556	18	3	24	0%	0%	0%
13	Non-Residential (Charity/Non Public Schools/Hospital/U	10,456	10,667	11,658	10,315	10,520	11,509	142	148	149	1%	1%	1%
14	**Subtotal Water Discount Billings**	**19,413**	**19,709**	**21,386**	**19,288**	**19,597**	**21,224**	**125**	**112**	**162**	**1%**	**1%**	**1%**
15	**Subtotal Water Service Billings**	**242,644**	**247,580**	**262,675**	**228,420**	**233,887**	**247,001**	**3,877**	**3,789**	**4,195**	**2%**	**2%**	**2%**
	Sewer-Non Discount												
16	Residential	99,312	106,388	117,035	98,515	105,708	116,629	797	681	406	1%	1%	0%
17	Commercial	31,846	33,300	35,503	30,909	32,327	33,997	937	973	1,506	3%	3%	4%
18	Industrial	2,382	2,198	2,393	1,987	1,817	1,885	395	381	508	20%	21%	27%
19	Public Utilities	228	271	264	234	259	249	(6)	12	15	-3%	5%	6%
20	City (incl City Groundwater)	8,180	7,624	7,718	6,594	6,117	6,100	1,585	1,508	1,619	24%	25%	27%
21	Fire Protection	239	230	78	301	279	94	(63)	(49)	(15)	-21%	-18%	-16%
22	Wholesale	34,943	29,303	31,559									
23	Surcharge	5,077	5,726	5,241	6,385	7,226	6,349	(1,308)	(1,500)	(1,108)	-20%	-21%	-17%
24	Other (Hand-Billed, City Leased, Scheduled)	12,755	12,807	14,061	7,993	7,610	8,455	4,762	5,197	5,606	60%	68%	66%
25	Sewer Only	738	1,351	2,019	750	1,359	2,012	(12)	(8)	7	-2%	-1%	0%
26	**Subtotal Sewer Non Discount Billings**	**195,700**	**199,199**	**215,871**	**153,670**	**162,701**	**175,769**	**7,087**	**7,194**	**8,543**	**5%**	**4%**	**5%**
	Sewer-Discount												
27	Residential (Senior Citizens)	2,523	2,853	3,270	2,535	2,855	3,277	(12)	(2)	(7)	0%	0%	0%
28	Philadelphia Housing Authority (PHA)	4,263	4,224	4,633	4,268	4,221	4,639	(5)	3	(6)	0%	0%	0%
29	Non-Residential (Charity/Non Public Schools/Hospital/U	9,967	9,712	10,116	9,781	9,462	9,806	186	250	310	2%	3%	3%
30	**Subtotal Sewer Discount Billings**	**16,753**	**16,788**	**18,019**	**16,584**	**16,538**	**17,721**	**168**	**250**	**298**	**1%**	**2%**	**2%**
31	**Subtotal Sewer Service Billings**	**212,452**	**215,987**	**233,891**	**170,254**	**179,239**	**193,491**	**7,255**	**7,444**	**8,841**	**4%**	**4%**	**5%**
	Stormwater-General Service												
32	Residential	72,621	67,530	70,018	78,422	74,574	77,115	(5,801)	(7,044)	(7,097)	-7%	-9%	-9%
33	Non Residential	49,666	53,940	62,180	47,758	55,365	65,684	1,908	(1,425)	(3,504)	4%	-3%	-5%
34	City	8,409	8,867	10,471	7,204	7,980	9,076	1,205	887	1,395	17%	11%	15%
35	**Subtotal Stormwater Non Discount**	**130,697**	**130,336**	**142,669**	**133,384**	**137,919**	**151,875**	**(2,687)**	**(7,583)**	**(9,206)**	**-2%**	**-5%**	**-6%**
	Stormwater-Discount												
36	Residential (Senior Citizens)	2,408	2,298	2,430	2,397	2,315	2,398	11	(17)	32	0%	-1%	1%
37	Philadelphia Housing Authority (PHA)	2,026	1,765	1,724	2,074	1,860	1,783	(48)	(95)	(59)	-2%	-5%	-3%
38	Non-Residential (Charity/Non Public Schools/Hospital/U	9,510	9,049	8,970	9,679	8,865	8,574	(169)	184	396	-2%	2%	5%
39	**Subtotal Stormwater Discount**	**13,944**	**13,113**	**13,124**	**14,150**	**13,040**	**12,755**	**(206)**	**73**	**369**	**-1%**	**1%**	**3%**
40	**Subtotal Stormwater Service Billings**	**144,641**	**143,449**	**155,794**	**147,534**	**150,959**	**164,630**	**(2,893)**	**(7,510)**	**(8,836)**	**-2%**	**-5%**	**-5%**
41	**Total Water and Wastewater Billings**	**599,737**	**607,016**	**652,359**	**546,209**	**564,085**	**605,122**	**8,239**	**3,724**	**4,200**	**2%**	**1%**	**1%**

Notes
Public fire protection is paid by the City

TABLE REV-7

REVENUE COMPARISON CALCULATED VS FAMIS

(in thousands of dollars)

Line No.	Description	Object Code	BV MODEL 2012	BV MODEL 2013	BV MODEL 2014	FAMIS 2012	FAMIS 2013	FAMIS 2014	Variance ($) 2012	Variance ($) 2013	Variance ($) 2014	Variance (%) 2012	Variance (%) 2013	Variance (%) 2014	
	Projected Revenue														
	Water Operations														
1	Retail & Wholesale	8001 + 8101	212,854	219,918	237,192	212,741	221,394	234,037	113	(1,475)	3,155	0%	-1%	1%	
2	City	7622 + 7631 (1/3)	6,872	6,515	6,692	8,254	7,843	9,369	(1,382)	(1,328)	(2,677)	-17%	-17%	-29%	Based on review of initial results the Aviation Revenue was moved from misc revenue to City Service Charge Revenue
3	Public Fire Protection	7621	6,951	7,391	7,874	6,951	7,391	7,874	0	0	(0)	0%	0%	0%	
4	Private Fire Protection	8003 + 8103	2,711	2,717	3,027	2,097	2,026	2,236	614	691	791	29%	34%	35%	
5	Subtotal Water Service Revenue		229,388	236,542	254,785	230,042	238,654	253,516	(654)	(2,113)	1,269	0%	-1%	1%	
	Wastewater Operations														
	Retail														
6	Sanitary Sewer	8301 + 7401	170,781	164,068	182,133	170,514	179,320	195,038	267	(15,252)	(12,906)	0%	-9%	-7%	
7	Stormwater	8305 + 8405	123,427	125,805	135,702	116,495	112,850	120,011	6,932	12,955	15,691	6%	11%	13%	
8	Subtotal Retail		294,208	289,873	317,835	287,010	292,171	315,049	7,199	(2,297)	2,786	3%	-1%	1%	
	City														
9	Sanitary Sewer		8,180	7,624	7,718										
10	Stormwater		8,409	8,867	10,471										
11	Subtotal City	7623 + 7631 (2/3)	16,589	16,491	18,190	14,563	18,140	16,378	2,026	(1,649)	1,811	14%	-9%	11%	Based on review of initial results the Aviation Revenue was moved from misc revenue to City Service Charge Revenue
12	Wholesale	8521	34,943	29,303	31,559	34,943	29,424	31,642	0	(121)	(83)	0%	0%	0%	
13	Surcharge	8303 + 8403	5,077	5,726	5,241	5,110	5,656	4,252	(33)	70	989	-1%	1%	23%	
14	Subtotal Wastewater Service Revenue		350,817	341,393	372,825	341,626	345,390	367,321	9,191	(3,997)	5,503	3%	-1%	1%	
15	Total Service Revenue		580,205	577,935	627,609	571,668	584,045	620,837	8,537	(6,110)	6,772	1%	-1%	1%	
	Other Operating Revenue														
16	Penalties	8002	7,692	7,710	8,210	7,692	7,710	8,210	0	0	0	0%	0%	0%	
17	Aviation	7631	1,664	1,418	2,352	1,664	1,418	2,352	0	0	0	0%	0%	0%	Included above
18	Other	(a)	5,598	7,821	7,762	5,598	7,821	7,762	0	0	0	0%	0%	0%	
19	State & Federal Grants	9101 + 9111	3,192	2,727	1,299	3,192	2,727	1,299	0	0	0	0%	0%	0%	
20	Permits Issued by L&I	3605 + 3630	2,398	3,184	3,346	2,398	3,184	3,346	0	0	0	0%	0%	0%	
21	Miscellaneous (Procurement)	6772 + 7104	261	283	396	261	283	396	0	0	0	0%	0%	0%	
22	Release from Debt Service Reserve		0	0	0	0	0	0	0	0	0	0%	0%	0%	
23	Subtotal Other Operating Revenue		20,805	23,143	23,365	20,805	23,143	23,365	0	0	0	0%	0%	0%	
24	**Total Revenue (Excluding Interest)**		601,010	601,078	650,974	592,473	607,188	644,202	8,537	(6,110)	6,772	1%	-1%	1%	

Notes
(a) Includes Fleet Mgmt - Sale of Vehicles & Equipment, L&I - Miscellaneous, Water - Miscellaneous, and Revenue - Miscellaneous

TABLE REV-8

DETAILED BILLING PROJECTION (BY CUSTOMER CLASS)
FISCAL YEAR
(in thousands of dollars)

Line No.	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	Water-Non Discount												
1	Residential	154,175	155,701	155,701	155,701	155,887	156,247	156,599	156,615	154,932	153,250	151,720	150,190
2	Commercial	47,174	46,522	46,513	46,504	46,592	46,747	46,875	46,919	46,762	46,607	46,450	46,303
3	Industrial	3,039	3,068	3,068	3,068	3,074	3,085	3,094	3,097	3,094	3,091	3,088	3,086
4	Public Utilities	388	356	356	356	356	356	356	356	356	355	355	355
5	City	7,720	7,566	7,566	7,566	7,566	7,566	7,566	7,566	7,566	7,566	7,566	7,566
6	Private Fire Protection (includes unmetered)	3,537	3,523	3,523	3,523	3,523	3,523	3,523	3,523	3,523	3,523	3,523	3,523
7	Public Fire Protection (Hydrants)	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162
8	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692	3,692	3,692	3,692	3,692	3,692
9	Other (Hand-Billed, City Leased, Scheduled)	16,744	16,568	16,568	16,568	16,568	16,568	16,568	16,568	16,568	16,568	16,568	16,568
10	**Subtotal Water Non Discount Billings**	**244,694**	**245,159**	**245,149**	**245,140**	**245,420**	**245,946**	**246,435**	**246,498**	**244,655**	**242,814**	**241,125**	**239,445**
	Water-Discount												
11	Residential (Senior Citizens)	4,517	4,499	4,499	4,499	4,499	4,499	4,499	4,499	4,447	4,400	4,354	4,307
12	Philadelphia Housing Authority (PHA)	6,212	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989
13	Non-Residential (Charity/Non Public Schools/Hospital/U	11,802	12,432	12,432	12,432	12,432	12,432	12,432	12,432	12,432	12,432	12,432	12,432
14	**Subtotal Water Discount Billings**	**22,532**	**22,920**	**22,920**	**22,920**	**22,920**	**22,920**	**22,920**	**22,920**	**22,868**	**22,821**	**22,774**	**22,728**
15	Subtotal Water Service Billings	267,226	268,079	268,069	268,060	268,340	268,866	269,355	269,418	267,523	265,635	263,899	262,172
	Sewer-Non Discount												
16	Residential	122,221	123,421	123,421	123,421	123,559	123,826	124,087	124,099	122,851	121,604	120,470	119,336
17	Commercial	39,654	39,131	39,123	39,116	39,191	39,322	39,431	39,468	39,335	39,203	39,070	38,945
18	Industrial	2,560	2,588	2,587	2,587	2,593	2,602	2,610	2,613	2,611	2,608	2,606	2,603
19	Public Utilities	346	319	319	319	319	319	319	319	319	318	318	318
20	City (incl. City Groundwater)	5,787	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969
21	Fire Protection	74	79	79	79	79	79	79	79	79	79	79	79
22	Wholesale	31,548	31,706	31,706	31,706	31,706	31,706	31,706	31,706	31,706	31,706	31,706	31,706
42	Surcharge	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297	5,297
43	Other (Hand-Billed, City Leased, Scheduled, Groundwat	16,971	16,179	16,179	16,179	16,179	16,179	16,179	16,179	16,179	16,179	16,179	16,179
44	Sewer Only	1,213	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216
45	**Subtotal Sewer Non Discount Billings**	**225,671**	**226,905**	**226,897**	**226,889**	**227,107**	**227,515**	**227,893**	**227,945**	**226,562**	**225,180**	**223,910**	**222,648**
	Sewer-Discount												
46	Residential (Senior Citizens)	3,622	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,573	3,539	3,505	3,471
47	Philadelphia Housing Authority (PHA)	5,262	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079
48	Non-Residential (Charity/Non Public Schools/Hospital/U	10,605	11,180	11,180	11,180	11,180	11,180	11,180	11,180	11,180	11,180	11,180	11,180
49	**Subtotal Sewer Discount Billings**	**19,489**	**19,871**	**19,871**	**19,871**	**19,871**	**19,871**	**19,871**	**19,871**	**19,832**	**19,798**	**19,764**	**19,730**
50	Subtotal Sewer Service Billings	245,160	246,775	246,767	246,759	246,977	247,386	247,764	247,815	246,394	244,978	243,675	242,379
	Stormwater-General Service												
51	Residential	73,748	73,877	73,863	73,851	73,839	73,828	73,817	73,817	73,817	73,817	73,817	73,817
52	Non Residential	69,212	68,069	66,912	65,742	64,515	63,283	62,043	62,043	62,043	62,043	62,043	62,043
53	City	11,178	10,925	10,802	10,678	10,546	10,413	10,279	10,267	10,267	10,267	10,267	10,267
54	**Subtotal Stormwater Non Discount**	**154,137**	**152,871**	**151,577**	**150,271**	**148,901**	**147,524**	**146,139**	**146,127**	**146,127**	**146,127**	**146,127**	**146,127**
	Stormwater-Discount												
55	Residential (Senior Citizens)	2,641	2,647	2,647	2,647	2,647	2,647	2,647	2,647	2,647	2,647	2,647	2,647
56	Philadelphia Housing Authority (PHA)	1,820	1,869	1,869	1,869	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868
57	Non-Residential (Charity/Non Public Schools/Hospital/U	9,342	9,350	9,280	9,208	9,133	9,057	8,981	8,981	8,981	8,981	8,981	8,981
58	**Subtotal Stormwater Discount**	**13,803**	**13,865**	**13,795**	**13,723**	**13,648**	**13,572**	**13,495**	**13,495**	**13,495**	**13,495**	**13,495**	**13,495**
59	Subtotal Stormwater Service Billings	167,940	166,736	165,372	163,994	162,548	161,096	159,634	159,622	159,622	159,622	159,622	159,622
60	Subtotal Wastewater Billings	413,100	413,511	412,140	410,754	409,526	408,482	407,398	407,437	406,016	404,600	403,297	402,001
61	**Total Water and Wastewater Billings**	**680,326**	**681,590**	**680,209**	**678,814**	**677,866**	**677,348**	**676,753**	**676,855**	**673,539**	**670,236**	**667,196**	**664,173**

Notes
Public fire protection is paid by the City

TABLE ES-1

ES-Executive Summary

PROJECTED BILLINGS Vs COLLECTIONS-RETAIL ONLY

(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Projected Billings Vs Collections								
	Water								
1	Retail Billings	244,052	245,136	245,126	245,117	245,397	245,923	246,412	246,475
2	Retail Collections	235,321	235,727	236,036	236,049	236,284	236,755	237,226	237,338
3	Collection (% of Billing)	96%	96%	96%	96%	96%	96%	96%	96%
	Sewer								
4	Retail Billings	199,784	200,680	200,672	200,664	200,882	201,290	201,668	201,720
5	Retail Collections	194,546	194,928	195,211	195,209	195,392	195,758	196,122	196,211
6	Collection (% of Billing)	97%	97%	97%	97%	97%	97%	97%	97%
	Stormwater								
7	Total Billings	152,599	152,294	151,153	149,999	148,785	147,565	146,338	146,438
8	Total Collections	142,438	142,089	141,302	140,272	139,176	138,069	136,954	136,891
9	Collection (% of Billing)	93%	93%	93%	94%	94%	94%	94%	93%

Notes

1 Water Retail billings includes General Service and Discount Billings (excludes City, Fire, and Wholesale water billings)

2 Sewer Retail billings includes General Service and Discount Billings (excludes City, Surcharge and Wholesale sewer customers)

TABLE REV-9

OTHER OPERATING REVENUE

(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Other Operating Revenue								
	Water Operations								
1	Penalties	3,454	3,554	3,554	3,554	3,558	3,566	3,573	3,574
2	Other	5,611	4,000	4,000	4,000	4,000	4,000	4,000	4,000
3	State & Federal Grants	1,083	1,000	1,000	1,000	1,000	1,000	1,000	1,000
4	Permits Issued by L&I	1,920	1,500	1,240	1,240	1,240	1,240	1,240	1,240
5	Miscellaneous (Procurement)	164	150	150	150	150	150	250	250
6	Release from Debt Service Reserve	0	0	0	0	7,052	0	0	0
7	Total Water Operations	14,341	12,164	11,904	11,904	18,960	11,916	12,023	12,024
	Wastewater Operations								
8	Penalties	5,032	5,148	5,131	5,114	5,100	5,088	5,076	5,078
9	Other	5,611	4,000	4,000	4,000	4,000	4,000	4,000	4,000
10	State & Federal Grants	0	0	0	0	0	0	0	0
11	Permits Issued by L&I	1,920	1,500	1,240	1,240	1,240	1,240	1,240	1,240
12	Miscellaneous (Procurement)	164	150	150	150	150	150	250	250
13	Release from Debt Service Reserve	0	0	0	0	12,589	0	0	0
14	Total Wastewater Operations	12,727	10,798	10,521	10,504	23,079	10,478	10,566	10,568
15	**Total Other Revenue**	**27,068**	**22,962**	**22,425**	**22,408**	**42,039**	**22,394**	**22,589**	**22,592**

Notes

TABLE REV-10

PROJECTED CREDITS, APPEALS AND EXEMPTIONS

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Projected Credits								
1	Parcels (Number)	867	959	1,054	1,145	1,239	1,332	1,426	1,426
2	Impervious Area (1,000 sq ft)	77,741	88,956	98,007	107,240	117,075	127,023	137,096	137,096
3	Gross Area (1,000 sq ft)	233,204	258,575	274,832	291,188	308,048	324,908	341,768	341,768
	Projected Additional Appeals								
4	Parcels (Number)	335	302	579	840	1,087	1,323	1,546	1,546
5	Impervious Area (1,000 sq ft)	808	978	1,878	2,725	3,528	4,292	5,017	5,017
6	Gross Area (1,000 sq ft)	2,777	1,113	2,136	3,098	4,012	4,881	5,705	5,705
	Projected Additional Exemptions								
7	Parcels (Number)	1,228	79	151	217	279	337	392	392
8	Impervious Area (1,000 sq ft)	10,290	16	30	42	52	60	68	68
9	Gross Area (1,000 sq ft)	78,966	302	568	810	1,033	1,236	1,424	0

TABLE REV-11

BILLABLE PARCELS

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Residential Parcels-Non City								
1	Water & Sewer	449,668	449,668	449,668	449,668	449,668	449,668	449,668	449,668
2	SW Only	10,519	10,423	10,334	10,251	10,172	10,097	10,025	10,025
	Residential Parcels-City								
3	Water & Sewer	102	102	102	102	102	102	102	102
4	SW Only	22	22	22	22	22	22	22	22
5	Subtotal-Residential	460,311	460,215	460,126	460,043	459,964	459,889	459,817	459,817
	Non Residential Parcels-Non City								
6	Water & Sewer	34,322	34,322	34,322	34,322	34,322	34,322	34,322	34,322
7	SW Only	38,493	38,493	38,493	38,493	38,493	38,493	38,493	38,493
	Non Residential Parcels-City								
8	Water & Sewer		458	458	458	458	458	458	458
9	SW Only	532	549	566	583	600	617	634	634
10	Subtotal-Non Residential	73,347	73,822	73,839	73,856	73,873	73,890	73,907	73,907
	Condominium-Non City								
11	Water & Sewer	1,641	1,641	1,641	1,641	1,641	1,641	1,641	1,641
12	SW Only	28	28	28	28	28	28	28	28
	Condominium-City								
13	Water & Sewer	2	2	2	2	2	2	2	2
14	SW Only	0	0	0	0	0	0	0	0
15	Subtotal-Condominium	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671
Total		535,329	535,708	535,636	535,570	535,508	535,450	535,395	535,395

TABLE REV-12

BILLABLE GROSS AREA
(in thousand square feet)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022				
	Residential Parcels-Non City												
1	Water & Sewer	950,729	948,799	948,799	948,799	948,799	948,799	948,799	0				
2	SW Only	18,571	21,751	21,342	20,958	20,593	20,247	19,917	0				
	Residential Parcels-City												
3	Water & Sewer	192	215	215	215	215	215	215	(114)				
4	SW Only	23	46	46	46	46	46	46	(114)				
5	Subtotal-Residential	969,514	970,812	970,403	970,019	969,654	969,308	968,978	(228)				
	Non Residential Parcels-Non City												
6	Water & Sewer	759,177	748,126	737,082	726,038	714,732	703,470	692,254	692,254	692,254	692,254	692,254	692,254
7	SW Only	205,797	204,706	200,679	196,628	192,452	188,275	184,099	0				
	Non Residential Parcels-City												
8	Water & Sewer	197,897	191,126	189,275	187,412	185,491	183,571	181,650	0				
9	SW Only	51,458	50,857	51,000	51,142	51,284	51,427	51,569	0				
10	Subtotal-Non Residential	1,214,328	1,194,815	1,178,036	1,161,220	1,143,959	1,126,743	1,109,572	692,254				
	Condominium-Non City												
11	Water & Sewer	22,607	20,632	20,291	19,948	19,594	19,239	18,885	18,885	18,885	18,885	18,885	18,885
12	SW Only	487	55	39	23	6	(11)	(28)	467,728				
	Condominium-City												
13	Water & Sewer	17	17	17	17	17	17	17	17	17	17	17	17
14	SW Only	0	0	0	0	0	0	0	4,423				
15	Subtotal-Condominium	23,111	20,705	20,347	19,987	19,616	19,245	18,875	491,054				
16	Total	2,206,954	2,186,332	2,168,786	2,151,226	2,133,229	2,115,297	2,097,425	1,183,079				

TABLE REV-13

BILLABLE IMPERVIOUS AREA
(in thousand square feet)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Residential Parcels-Non City								
1	Water & Sewer	473,735	472,151	472,151	472,151	472,151	472,151	472,151	472,151
2	SW Only	8,483	11,009	10,976	10,945	10,916	10,889	10,862	10,862
	Residential Parcels-City								
3	Water & Sewer	115	107	107	107	107	107	107	107
4	SW Only	12	23	23	23	23	23	23	23
5	Subtotal-Residential	482,345	483,290	483,257	483,226	483,197	483,170	483,143	483,143
	Non Residential Parcels-Non City								
6	Water & Sewer	491,305	484,054	476,449	468,761	460,671	452,537	444,348	444,348
7	SW Only	78,170	78,487	77,296	76,081	74,787	73,478	72,152	72,152
	Non Residential Parcels-City								
8	Water & Sewer	58,933	57,557	56,678	55,781	54,826	53,860	52,882	52,882
9	SW Only	7,903	7,763	7,782	7,801	7,820	7,839	7,858	7,858
10	Subtotal-Non Residential	636,311	627,861	618,205	608,424	598,104	587,714	577,241	577,241
	Condominium-Non City								
11	Water & Sewer	16,684	14,535	14,267	13,994	13,703	13,408	13,110	13,110
12	SW Only	283	134	126	119	111	103	95	95
	Condominium-City								
13	Water & Sewer	16	16	16	16	16	16	16	16
14	SW Only	0	0	0	0	0	0	0	0
15	Subtotal-Condominium	16,983	14,685	14,409	14,129	13,830	13,527	13,221	13,221
Total		1,135,638	1,125,835	1,115,871	1,105,779	1,095,130	1,084,411	1,073,605	1,073,605

TABLE REV-14A

SUMMARY OF BILLING FOR DISCOUNT PROGRAMS
Existing discount / Existing Credit
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2014 Water	Sewer	Stormwater	Total	2015 Water	Sewer	Stormwater	Total	2016 Water	Sewer	Stormwater	Total	2017 Water	Sewer	Stormwater	Total	2018 Water	Sewer	Stormwater	Total	2019 Water	Sewer	Stormwater	Total	2020 Water	Sewer	Stormwater	Total	2021 Water	Sewer	Stormwater	Total
1	Senior Citizen	4,148	3,270	2,430	9,848	4,517	3,622	2,641	10,781	4,499	3,611	2,647	10,757	4,499	3,611	2,647	10,757	4,499	3,611	2,647	10,757	4,499	3,611	2,647	10,757	4,499	3,611	2,647	10,757	4,499	3,611	2,647	10,757
2	PHA	5,580	4,633	1,724	11,937	6,212	5,262	1,820	13,294	5,989	5,079	1,869	12,937	5,989	5,079	1,869	12,937	5,989	5,079	1,869	12,937	5,989	5,079	1,868	12,937	5,989	5,079	1,868	12,937	5,989	5,079	1,868	12,936
3	Charity/Hospital/Education	11,658	10,116	11,400	33,175	11,802	10,605	11,984	34,391	12,432	11,180	11,996	35,608	12,432	11,180	11,926	35,538	12,432	11,180	11,855	35,467	12,432	11,180	11,780	35,391	12,432	11,180	11,704	35,316	12,432	11,180	11,627	35,239
4	All SW Billings with Existing Credits			160,409	160,409			167,940	167,940			166,736	166,736			165,372	165,372			163,994	163,994			162,548	162,548			161,096	161,096			159,634	159,634

TABLE REV-14B

SUMMARY OF BILLING FOR DISCOUNT PROGRAMS
Alternative discount /Alternative Credit
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2014 Water	Sewer	Stormwater	Total	2015 Water	Sewer	Stormwater	Total	2016 Water	Sewer	Stormwater	Total	2017 Water	Sewer	Stormwater	Total	2018 Water	Sewer	Stormwater	Total	2019 Water	Sewer	Stormwater	Total	2020 Water	Sewer	Stormwater	Total	2021 Water	Sewer	Stormwater	Total
1	Senior Citizen	5,530	4,360	3,240	13,130	6,023	4,830	3,522	14,374	5,929	4,764	3,529	14,222	5,867	4,719	3,529	14,114	5,805	4,673	3,529	14,007	5,743	4,628	3,529	13,899	5,680	4,583	3,529	13,792	5,618	4,537	3,529	13,684
2	PHA	5,874	4,877	1,815	12,565	6,539	5,539	1,915	13,993	6,304	5,347	1,967	13,618	6,304	5,347	1,967	13,618	6,304	5,347	1,967	13,618	6,304	5,347	1,967	13,618	6,304	5,347	1,966	13,617	6,304	5,347	1,966	13,617
3	Charity/Hospital/Education	15,544	13,489	15,200	44,233	15,737	14,140	15,978	45,855	16,575	14,907	15,995	47,478	16,575	14,907	15,902	47,384	16,575	14,907	15,806	47,289	16,575	14,907	15,706	47,189	16,575	14,907	15,605	47,088	16,575	14,907	15,503	46,985
4	All SW Billings with Credits OFF and Discounts OFF (i)a			174,669				184,161				184,627				184,501				184,383				184,271				184,164				184,063	
5	All SW Billings with Credits ON and Discounts OFF(i)b			164,300				172,031				170,833				169,446				168,044				166,573				165,095				163,608	

Notes:

(i) For pure impact of SW Credits:
a. Run the control with "Credits Off", and "Discounts Off". Copy/Paste value from REV14A Line 4 in to REV14B Line 4.
b. Run the control with "Credits On", and "Discounts Off". Copy/Paste Value from REV14A Line 4 in to REV14B Line 5.

(ii) For pure impact of Discounts:
a. Run the control with "Credits On" and "Discounts Off." Copy/Paste Lines 1, 2, and 3 from REV14A into REV14B. (because Discounts are given after the Credits are given)

(iii) To derive the difference between REV14B and REV14A:
a. Set the controls for "Credits On" and "Discounts On".
b. Line 1, 2, and 3: Subtract REV14A from REV14B
c. Line 4: Subtract REV14B Line 5 from REV14B Line 4

TABLE ES-2

SUMMARY OF DISCOUNTS - ESTIMATE OF BILLINGS REDUCTION
(in thousands of dollars)

Line		2014				2015				2016				2017				2018				2019				2020				2021			
No.	Description	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total	Water	Sewer	Stormwater	Total
Billing Discount, WRAP Assistance, & Credit Program																																	
1	Senior Citizen Discount	1,383	1,090	810	3,283	1,506	1,207	880	3,594	1,430	1,153	882	3,465	1,368	1,107	882	3,357	1,305	1,062	882	3,250	1,243	1,017	882	3,142	1,181	971	882	3,035	1,119	926	882	2,927
2	PHA Discount	294	244	91	628	327	277	96	700	315	267	98	681	315	267	98	681	315	267	98	681	315	267	98	681	315	267	98	681	315	267	98	681
3	Charity/Hospital/Education Discount	3,886	3,372	3,800	11,058	3,934	3,535	3,995	11,464	4,144	3,727	3,999	11,869	4,144	3,727	3,975	11,846	4,144	3,727	3,952	11,822	4,144	3,727	3,927	11,797	4,144	3,727	3,901	11,772	4,144	3,727	3,876	11,746
4	Stormwater Customer Assistance Program (CAP) (a)			4,615	4,615			4,164	4,164			3,517	3,517			3,417	3,417			3,317	3,317			3,217	3,217			3,117	3,117			3,017	3,017
5	Stormwater Credits (b)			10,370	10,370			12,131	12,131			13,794	13,794			15,055	15,055			16,338	16,338			17,697	17,697			19,069	19,069			20,455	20,455
6	Stormwater SMIP and GARP (c)		2,000	3,000	5,000		5,439	8,159	13,598		4,580	6,870	11,450		4,580	6,870	11,450		4,580	6,870	11,450		6,000	9,000	15,000		6,000	9,000	15,000		6,000	9,000	15,000
7	Water Revenue Assistance Program (WRAP) (d)	$ 1,473	$ 1,221	$ 961	3,655	$ 1,584	$ 1,313	$ 1,034	3,930	$ -	$ -	$ -	0	$ -	$ -	$ -	0	$ -	$ -	$ -	0	$ 516	$ 427	$ 328	1,270	$ 517	$ 428	$ 325	1,270	$ 519	$ 429	$ 321	1,270
8	**Total: Billing Discount, Assistance, and Credit Programs**	**7,035**	**7,927**	**23,646**	**38,609**	**7,351**	**11,772**	**30,458**	**49,580**	**5,889**	**9,727**	**29,160**	**44,776**	**5,827**	**9,682**	**30,298**	**45,806**	**5,764**	**9,636**	**31,457**	**46,858**	**6,218**	**11,438**	**35,149**	**52,804**	**6,157**	**11,394**	**36,393**	**53,943**	**6,097**	**11,349**	**37,649**	**55,096**
9	Billing Reduction as a % of Total Retail Revenues	2.9%	4.1%	16.2%		2.9%	5.8%	19.8%		2.3%	5.7%	19.1%		2.3%	4.7%	20.4%		2.3%	4.7%	21.4%		2.5%	4.8%	23.8%		2.4%	5.0%	16.1%		3.0%	5.7%	19.4%	

Notes:
(a) FY 2014 and FY 2015 are based on PWD actuals. FY 2016 thru FY 2021 are projections
(b) Includes all credits including credits given to complete SMIP/GARP projects. FY 14, FY 15 and FY 16 figures are based upon calculated billings based on existing rates. FY 17 thru FY 2021 is projected based on proposed rates.
(c) This is from PWD's O&M Budget. FY 14 and FY 15 figures are based upon PWD provided actuals. FY 16 is budgeted. FY 17 thru FY 21 is a projection.
(d) FY 14 and FY 15 are actuals from WRAP DB. FY 16 thru FY 21 are projections.
Allocated to water, sewer, and stormwater on the same basis as proportion of revenues.
Internal Note: WRAP FY 2014 is currently linked to FY 2015 allocation %. Need to change this to FY 2014 allocation %.

TABLE OM-1

SUMMARY OF O&M
(in thousands of dollars)

Line		Fiscal Year Ending June 30,							
No.	Description	2015	2016	2017	2018	2019	2020	2021	2022
	Water System								
1	Salaries & Wages	48,816	48,561	50,018	51,519	54,562	56,134	57,670	59,335
2	Benefits	41,353	44,747	46,035	47,276	50,433	51,602	53,263	55,072
3	Services	34,675	36,731	37,074	38,165	40,804	41,907	42,960	44,232
4	Power	9,933	10,929	10,929	10,929	11,202	11,482	11,769	12,063
5	Materials and Supplies	9,765	10,295	10,501	10,711	11,272	11,537	11,754	11,984
6	Chemicals	19,130	18,998	19,625	20,273	20,859	21,502	22,209	22,939
7	Equipment	935	1,112	1,137	1,163	1,266	1,296	1,326	1,357
8	Contributions	1,422	1,846	1,846	1,846	1,846	1,846	1,846	1,846
9	Transfers	2,248	2,356	2,403	2,451	2,525	2,601	2,679	2,759
10	Liquidated Encumbrances	(9,364)	(13,220)	(13,391)	(13,694)	(14,695)	(15,081)	(15,464)	(15,889)
11	Water Treatment Plant Sludge	10,448	10,453	10,952	11,678	12,309	12,998	14,041	14,890
12	Total Water System	169,361	172,810	177,130	182,317	192,382	197,823	204,052	210,589
	Wastewater System								
13	Salaries & Wages	69,903	69,758	71,851	74,006	78,891	81,258	83,553	85,999
14	Benefits	59,217	64,279	66,129	67,911	72,921	74,697	77,167	79,821
15	Services	80,888	84,371	85,509	87,819	93,048	95,887	98,823	102,061
16	Power	10,494	11,546	11,546	11,546	11,835	12,131	12,434	12,745
17	Materials and Supplies	13,416	14,083	14,365	14,652	15,392	15,744	16,034	16,346
18	Chemicals	3,195	3,172	3,277	3,385	3,580	3,743	3,869	3,999
19	Equipment	914	1,254	1,283	1,311	1,394	1,427	1,459	1,493
20	Contributions	2,421	3,144	3,144	3,144	3,144	3,144	3,144	3,144
21	Transfers	3,997	4,189	4,273	4,358	4,489	4,624	4,762	4,905
22	Liquidated Encumbrances	(14,047)	(19,829)	(20,086)	(20,541)	(22,043)	(22,622)	(23,197)	(23,834)
23	Water Treatment Plant Sludge	(10,448)	(10,453)	(10,952)	(11,678)	(12,309)	(12,998)	(14,041)	(14,890)
24	Total Wastewater System	219,949	225,514	230,338	235,915	250,341	257,034	264,008	271,789
	TOTAL WATER FUND								
25	Salaries & Wages	118,718	118,319	121,869	125,525	133,453	137,392	141,223	0
26	Benefits	100,570	109,025	112,164	115,187	123,354	126,299	130,430	0
27	Services	115,563	121,102	122,583	125,984	133,852	137,794	141,784	14,890
28	Power	20,428	22,475	22,475	22,475	23,037	23,613	24,203	7,481
29	Materials and Supplies	23,181	24,378	24,866	25,363	26,664	27,281	27,788	17,558
30	Chemicals	22,325	22,170	22,902	23,658	24,438	25,245	26,078	2,281
31	Equipment	1,849	2,367	2,420	2,474	2,660	2,722	2,785	0
32	Contributions	3,842	4,990	4,990	4,990	4,990	4,990	4,990	0
33	Transfers	6,245	6,545	6,676	6,810	7,014	7,224	7,441	0
34	Liquidated Encumbrances	(23,411)	(33,049)	(33,477)	(34,234)	(36,738)	(37,704)	(38,661)	0
35	Water Treatment Plant Sludge	0	0	0	0	0	0	0	(130,116)
36	Total Water Fund	389,310	398,323	407,468	418,232	442,723	454,856	468,061	482,378

6,545	6,676	6,810	7,014	7,224	7,441	7,664	2.67%
109,025	112,164	115,187	#######	#######	130,430	134,893	3.61%

0.02	0.02	0.03	0.03	0.03	0.03
0.028783	0.02696	0.0709	0.0239	0.03271	0.03422

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

TABLE REV-1

PROJECTED ACCOUNTS

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Projected Accounts							
	Water Operations							
1	Residential	408,819	408,819	408,819	408,819	408,819	408,819	408,819
2	Senior Citizens	20,192	20,192	20,192	20,192	20,192	20,192	20,192
3	Commercial	34,442	34,442	34,442	34,442	34,442	34,442	34,442
4	Industrial	1,080	1,080	1,080	1,080	1,080	1,080	1,080
5	Public Utilities	127	127	127	127	127	127	127
6	Total General Service	464,660	464,660	464,660	464,660	464,660	464,660	464,660
7	City	972	972	972	972	972	972	972
8	PHA	5,896	5,896	5,896	5,896	5,896	5,896	5,896
9	Charities & Schools	2,607	2,607	2,607	2,607	2,607	2,607	2,607
10	Hospitals & Universities	502	502	502	502	502	502	502
11	Hand Bill	270	270	270	270	270	270	270
12	City Leased Properties	70	70	70	70	70	70	70
13	Scheduled	2	2	2	2	2	2	2
14	Private Fire Protection	4,104	4,104	4,104	4,104	4,104	4,104	4,104
15	Public Fire Protection (Hydrants)	25,364	25,364	25,364	25,364	25,364	25,364	25,364
16	Wholesale	1	1	1	1	1	1	1
17	Subtotal Water Accounts	504,448	504,448	504,448	504,448	504,448	504,448	504,448
	Wastewater Operations							
18	Residential	406,667	406,667	406,667	406,667	406,667	406,667	406,667
19	Senior Citizens	20,174	20,174	20,174	20,174	20,174	20,174	20,174
20	Commercial	33,795	33,795	33,795	33,795	33,795	33,795	33,795
21	Industrial	1,037	1,037	1,037	1,037	1,037	1,037	1,037
22	Public Utilities	124	124	124	124	124	124	124
23	Total General Service	461,797	461,797	461,797	461,797	461,797	461,797	461,797
24	City	862	862	862	862	862	862	862
25	PHA	5,761	5,761	5,761	5,761	5,761	5,761	5,761
26	Charities & Schools	2,500	2,500	2,500	2,500	2,500	2,500	2,500
27	Hospitals & Universities	431	431	431	431	431	431	431
28	Sewer Only	66	66	66	66	66	66	66
29	Groundwater	4	4	4	4	4	4	4
30	Hand Bill	247	247	247	247	247	247	247
31	City Leased Properties	40	40	40	40	40	40	40
32	Scheduled	2	2	2	2	2	2	2
33	Fire Service	74	74	74	74	74	74	74
34	Wholesale	12	12	12	12	12	12	12
35	Surcharge	198	198	198	198	198	198	198
36	Subtotal Sanitary Sewer Accounts	471,994	471,994	471,994	471,994	471,994	471,994	471,994
37	Stormwater	547,269	547,269	547,269	547,269	547,269	547,269	547,269

Notes

TABLE REV-2

PROJECTED BILLED VOLUME

(in Mcf)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Projected Billed Volume							
	Water Operations							
1	Residential	3,220,713	3,254,503	3,254,503	3,254,503	3,259,397	3,268,916	3,278,216
2	Senior Citizens	115,954	115,105	115,105	115,105	115,105	115,105	115,105
3	Commercial	1,296,058	1,273,895	1,273,616	1,273,337	1,276,015	1,280,706	1,284,572
4	Industrial	90,683	91,428	91,423	91,417	91,617	91,957	92,242
5	Public Utilities	10,712	9,703	9,703	9,703	9,703	9,703	9,703
6	Total General Service	4,734,120	4,744,634	4,744,350	4,744,066	4,751,836	4,766,387	4,779,838
7	City	243,041	237,460	237,460	237,460	237,460	237,460	237,460
8	PHA	178,327	170,984	170,984	170,984	170,984	170,984	170,984
9	Charities & Schools	192,057	199,696	199,696	199,696	199,696	199,696	199,696
10	Hospitals & Universities	272,764	291,160	291,160	291,160	291,160	291,160	291,160
11	Hand Bill	573,950	567,000	567,000	567,000	567,000	567,000	567,000

12	City Leased Properties	8,984	8,610	8,610	8,610	8,610	8,610	8,610
13	Scheduled	21	21	21	21	21	21	21
14	Private Fire Protection	11,569	11,081	11,081	11,081	11,081	11,081	11,081
15	Public Fire Protection (Hydrants)	0	0	0	0	0	0	0
16	Wholesale	129,410	110,000	110,000	110,000	110,000	110,000	110,000
17	Subtotal Water Billed Volume	6,344,242	6,340,646	6,340,362	6,340,078	6,347,848	6,362,399	6,375,850
	Wastewater Operations							
18	Residential	3,206,963	3,240,753	3,240,753	3,240,753	3,245,647	3,255,166	3,264,466
19	Senior Citizens	115,884	115,035	115,035	115,035	115,035	115,035	115,035
20	Commercial	1,268,755	1,246,592	1,246,313	1,246,034	1,248,712	1,253,403	1,257,269
21	Industrial	84,671	85,416	85,411	85,405	85,605	85,945	86,230
22	Public Utilities	10,711	9,702	9,702	9,702	9,702	9,702	9,702
23	Total General Service	4,686,984	4,697,498	4,697,214	4,696,930	4,704,700	4,719,251	4,732,702
24	City	247,108	232,000	232,000	232,000	232,000	232,000	232,000
25	PHA	178,299	170,956	170,956	170,956	170,956	170,956	170,956
26	Charities & Schools	190,792	198,431	198,431	198,431	198,431	198,431	198,431
27	Hospitals & Universities	272,720	291,116	291,116	291,116	291,116	291,116	291,116
28	Sewer Only	42,663	42,663	42,663	42,663	42,663	42,663	42,663
29	Groundwater	248,776	190,000	190,000	190,000	190,000	190,000	190,000
30	Hand Bill	497,828	490,878	490,878	490,878	490,878	490,878	490,878
31	City Leased Properties	4,689	4,315	4,315	4,315	4,315	4,315	4,315
32	Scheduled	21	21	21	21	21	21	21
33	Fire Service	2,627	2,800	2,800	2,800	2,800	2,800	2,800
34	Wholesale	3,880,996	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200	4,032,200
35	Surcharge							
36	Subtotal Wastewater Service Billed Volum	10,253,502	10,352,879	10,352,595	10,352,310	##########	10,374,631	10,388,082

Notes

TABLE REV-3

PROJECTED BILLINGS
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Projected Billings							
	Water Operations							
1	Residential	154,175	155,701	155,701	155,701	155,887	156,247	156,599
2	Senior Citizens	4,517	4,499	4,499	4,499	4,499	4,499	4,499
3	Commercial	47,174	46,522	46,513	46,504	46,592	46,747	46,875
4	Industrial	3,039	3,068	3,068	3,068	3,074	3,085	3,094
5	Public Utilities	388	356	356	356	356	356	356
6	Total General Service	209,293	210,147	210,137	210,128	210,408	210,934	211,423
7	City	7,720	7,566	7,566	7,566	7,566	7,566	7,566
8	PHA	6,212	5,989	5,989	5,989	5,989	5,989	5,989
9	Charities & Schools	5,281	5,476	5,476	5,476	5,476	5,476	5,476
10	Hospitals & Universities	6,522	6,955	6,955	6,955	6,955	6,955	6,955
11	Hand Bill	16,458	16,292	16,292	16,292	16,292	16,292	16,292
12	City Leased Properties	285	275	275	275	275	275	275
13	Scheduled	1	1	1	1	1	1	1
14	Private Fire Protection	2,727	3,523	3,523	3,523	3,523	3,523	3,523
15	Public Fire Protection (Hydrants)	8,162	8,162	8,162	8,162	8,162	8,162	8,162
16	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692
17	Subtotal Water Service Billings	266,416	268,079	268,069	268,060	268,340	268,866	269,355
	Wastewater Operations							
18	Residential	122,221	123,421	123,421	123,421	123,559	123,826	124,087
19	Senior Citizens	3,622	3,611	3,611	3,611	3,611	3,611	3,611
20	Commercial	39,654	39,131	39,123	39,116	39,191	39,322	39,431
21	Industrial	2,560	2,588	2,587	2,587	2,593	2,602	2,610
22	Public Utilities	346	319	319	319	319	319	319
23	Total General Service	168,404	169,070	169,062	169,054	169,272	169,681	170,058
24	City	5,787	6,969	6,969	6,969	6,969	6,969	6,969
25	PHA	5,262	5,079	5,079	5,079	5,079	5,079	5,079
26	Charities & Schools	4,611	4,783	4,783	4,783	4,783	4,783	4,783
27	Hospitals & Universities	5,994	6,397	6,397	6,397	6,397	6,397	6,397
28	Sewer Only	1,213	1,216	1,216	1,216	1,216	1,216	1,216
29	Groundwater	2,670	2,044	2,044	2,044	2,044	2,044	2,044
30	Hand Bill	14,153	13,997	13,997	13,997	13,997	13,997	13,997
31	City Leased Properties	147	137	137	137	137	137	137
32	Scheduled	1	1	1	1	1	1	1
33	Fire Service	74	79	79	79	79	79	79
34	Wholesale	31,548	31,706	31,706	31,706	31,706	31,706	31,706
35	Surcharge	5,297	5,297	5,297	5,297	5,297	5,297	5,297

36	Subtotal Sanitary Service Billings	245,160	246,775	246,767	246,759	246,977	247,386	247,764
37	Stormwater	152,599	152,294	151,153	149,999	148,785	147,565	146,338
38	Subtotal Wastewater Service Billings	397,759	399,070	397,920	396,759	395,763	394,951	394,102
39	**Total Billing**	**664,175**	**667,149**	**665,990**	**664,819**	**664,103**	**663,817**	**663,457**

Notes

TABLE REV-4

PROJECTED SERVICE REVENUE
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Projected Revenue							
	Water Operations							
1	Residential	149,026	149,679	149,910	149,940	150,097	150,419	150,756
2	Senior Citizens	4,333	4,328	4,333	4,333	4,333	4,333	4,333
3	Commercial	45,199	44,794	44,806	44,784	44,858	44,997	45,122
4	Industrial	2,947	2,952	2,954	2,954	2,960	2,969	2,978
5	Public Utilities	366	345	343	343	343	343	343
6	Subtotal General Service	201,870	202,097	202,346	202,354	202,589	203,061	203,531
7	City	8,046	7,566	7,566	7,566	7,566	7,566	7,566
8	PHA	5,944	5,782	5,772	5,768	5,768	5,768	5,768
9	Charities & Schools	5,165	5,258	5,270	5,274	5,274	5,274	5,274
10	Hospitals & Universities	6,252	6,635	6,689	6,698	6,698	6,698	6,698
11	Hand Bill	15,818	15,688	15,693	15,689	15,689	15,689	15,689
12	City Leased Properties	271	266	265	265	265	265	265
13	Scheduled	1	1	1	1	1	1	1
14	Private Fire Protection	2,727	3,523	3,523	3,523	3,523	3,523	3,523
15	Public Fire Protection (Hydrants)	8,162	8,162	8,162	8,162	8,162	8,162	8,162
16	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692
17	Subtotal Water Service Revenue	258,012	258,670	258,979	258,992	259,227	259,698	260,169
	Sanitary Sewer Operations							
18	Residential	117,768	118,607	118,831	118,855	118,970	119,209	119,459
19	Senior Citizens	3,464	3,472	3,478	3,478	3,478	3,478	3,478
20	Commercial	37,932	37,663	37,687	37,669	37,732	37,850	37,956
21	Industrial	2,460	2,485	2,491	2,492	2,496	2,505	2,513
22	Public Utilities	326	309	308	307	307	307	307
23	Total General Service	161,949	162,536	162,794	162,800	162,983	163,349	163,713
24	City	5,787	6,969	6,969	6,969	6,969	6,969	6,969
25	PHA	5,021	4,901	4,895	4,891	4,891	4,891	4,891
26	Charities & Schools	4,492	4,589	4,603	4,606	4,606	4,606	4,606
27	Hospitals & Universities	5,732	6,099	6,152	6,160	6,160	6,160	6,160
28	Sewer Only	1,263	1,187	1,171	1,171	1,171	1,171	1,171
29	Groundwater	2,264	1,990	1,981	1,969	1,969	1,969	1,969
30	Hand Bill	13,683	13,493	13,482	13,479	13,479	13,479	13,479
31	City Leased Properties	141	133	132	132	132	132	132
32	Scheduled	1	1	1	1	1	1	1
33	Fire Service	74	79	79	79	79	79	79
34	Wholesale	33,221	31,706	31,706	31,706	31,706	31,706	31,706
35	Surcharge	3,407	4,000	4,000	4,000	4,000	4,000	4,000
36	Subtotal Sanitary Service Revenue	237,036	237,682	237,965	237,963	238,146	238,512	238,876
	Stormwater Operations							
37	Non City -Residential	73,707	73,724	73,810	73,805	73,797	73,790	73,783
38	Non City -Non Residential	66,533	66,375	65,552	64,567	63,515	62,452	61,382
39	Non City -Condominium	2,197	1,991	1,940	1,900	1,864	1,827	1,790
40	City-Water & Sewer	9,534	9,302	9,176	9,048	8,912	8,774	8,636
41	City -Stormwater Only	1,643	1,622	1,626	1,631	1,635	1,639	1,643
42	Subtotal Stormwater Service Revenue	153,615	153,014	152,104	150,950	149,722	148,482	147,233
43	Total Service Revenue	648,663	649,366	649,049	647,905	647,095	646,692	646,278
	Residential Non-City Water Revenues	43.8%	43.8%	43.8%	43.8%	43.8%	43.8%	43.8%
	Residential Non-City Sewer Revenues	34.6%	34.7%	34.7%	34.7%	34.7%	34.7%	34.7%
	Residential Non-City Stormwater Revenue	21.6%	21.5%	21.5%	21.5%	21.5%	21.5%	21.5%
	Total Retail Water, Sewer, Stormwater R	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Notes

TABLE REV-5

OTHER OPERATING REVENUE

(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Other Operating Revenue							
	Water Operations							
	Other Income							
1	Penalties	3,454	3,554	3,554	3,554	3,558	3,566	3,573
2	Other	5,611	4,000	4,000	4,000	4,000	4,000	4,000
3	State & Federal Grants	1,083	1,000	1,000	1,000	1,000	1,000	1,000
4	Permits Issued by L&I	1,920	1,500	1,240	1,240	1,240	1,240	1,240
5	Miscellaneous (Procurement)	164	150	150	150	150	150	250
6	Affordability Program Discount Cost	0	0	0	(7,084)	(7,392)	(7,744)	(8,184)
7	Release from Debt Service Reserve	0	0	0	0	7,052	0	0
8	Total Water Other Income	14,341	12,164	11,904	4,820	11,568	4,172	3,839
	Interest Income							
9	Debt Reserve Fund (a)	0	0	0	0	0	0	0
10	Other (b)	413	350	360	340	355	371	385
11	Total Water Operations	14,754	12,514	12,265	5,160	11,923	4,543	4,224
	Wastewater Operations							
	Other Income							
12	Penalties	5,032	5,148	5,131	5,114	5,100	5,088	5,076
13	Other	5,611	4,000	4,000	4,000	4,000	4,000	4,000
14	State & Federal Grants	0	0	0	0	0	0	0
15	Permits Issued by L&I	1,920	1,500	1,240	1,240	1,240	1,240	1,240
16	Miscellaneous (Procurement)	164	150	150	150	150	150	250
17	Affordability Program Discount Cost	0	0	0	(9,016)	(9,408)	(9,856)	(10,416)
18	Release from Debt Service Reserve	0	0	0	0	12,589	0	0
19	Total Wastewater Operations	12,727	10,798	10,521	1,488	13,671	622	150
	Interest Income							
9	Debt Reserve Fund (a)	0	0	0	0	0	0	0
10	Other (b)	665	654	611	515	544	542	547
11	Total Wastewter Operations	42,235	35,826	35,051	11,809	37,516	9,707	8,598

Notes

TABLE OM-1

SUMMARY OF O&M
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Water System							
1	Salaries & Wages	48,816	48,561	50,018	51,519	54,562	56,134	57,670
2	Benefits	41,353	44,747	46,035	47,276	50,433	51,602	53,263
3	Services	34,675	36,731	37,074	38,165	40,804	41,907	42,960
4	Power	9,933	10,929	10,929	10,929	11,202	11,482	11,769
5	SMIP/GARP	0	0	0	0	0	0	0
6	Materials and Supplies	9,765	10,295	10,501	10,711	11,272	11,537	11,754
7	Chemicals	19,130	18,998	19,625	20,273	20,859	21,502	22,209
8	Equipment	935	1,112	1,137	1,163	1,266	1,296	1,326
9	Contributions	1,422	1,846	1,846	1,846	1,846	1,846	1,846
10	Transfers	2,248	2,356	2,403	2,451	2,525	2,601	2,679
11	Liquidated Encumbrances	(9,364)	(13,220)	(13,391)	(13,694)	(14,695)	(15,081)	(15,464)
12	Water Treatment Plant Sludge	10,448	10,453	10,952	11,678	12,309	12,998	14,041
13	Total Water System	169,361	172,810	177,130	182,317	192,382	197,823	204,052
	Wastewater System							
14	Salaries & Wages	69,903	69,758	71,851	74,006	78,891	81,258	83,553
15	Benefits	59,217	64,279	66,129	67,911	72,921	74,697	77,167
16	Services	80,888	84,371	85,509	87,819	93,048	95,887	98,823
17	Power	10,494	11,546	11,546	11,546	11,835	12,131	12,434
18	SMIP/GARP	13,598	11,450	11,450	11,450	15,000	15,000	15,000
19	Materials and Supplies	13,416	14,083	14,365	14,652	15,392	15,744	16,034
20	Chemicals	3,195	3,172	3,277	3,385	3,580	3,743	3,869
21	Equipment	914	1,254	1,283	1,311	1,394	1,427	1,459
22	Contributions	2,421	3,144	3,144	3,144	3,144	3,144	3,144
23	Transfers	3,997	4,189	4,273	4,358	4,489	4,624	4,762
24	Liquidated Encumbrances	(14,047)	(19,829)	(20,086)	(20,541)	(22,043)	(22,622)	(23,197)
25	Water Treatment Plant Sludge	(10,448)	(10,453)	(10,952)	(11,678)	(12,309)	(12,998)	(14,041)
26	Total Wastewater System	233,547	236,964	241,788	247,365	265,341	272,034	279,008
	TOTAL WATER FUND							
27	Salaries & Wages	118,718	118,319	121,869	125,525	133,453	137,392	141,223
28	Benefits	100,570	109,025	112,164	115,187	123,354	126,299	130,430
29	Services	115,563	121,102	122,583	125,984	133,852	137,794	141,784

30	Power		20,428	22,475	22,475	22,475	23,037	23,613	24,203
31	SMIP/GARP		13,598	11,450	11,450	11,450	15,000	15,000	15,000
32	Materials and Supplies		23,181	24,378	24,866	25,363	26,664	27,281	27,788
33	Chemicals		22,325	22,170	22,902	23,658	24,438	25,245	26,078
34	Equipment		1,849	2,367	2,420	2,474	2,660	2,722	2,785
35	Contributions		3,842	4,990	4,990	4,990	4,990	4,990	4,990
36	Transfers		6,245	6,545	6,676	6,810	7,014	7,224	7,441
37	Liquidated Encumbrances		(23,411)	(33,049)	(33,477)	(34,234)	(36,738)	(37,704)	(38,661)
38	Water Treatment Plant Sludge		0	0	0	0	0	0	0
39	**Total Water Fund**		**402,908**	**409,773**	**418,918**	**429,682**	**457,723**	**469,856**	**483,061**

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CASHFLOW-1: Statement of Combined Projected Revenue and Revenue Requirements

#	Description	2016	2017	2018	2019	2020	2021
1	Revenue Adjustment (Combined)	0.00%	5.42%	5.42%	4.72%	4.73%	5.56%
		in thousand dollars (1,000 dollars)					
2	Service Revenues - Existing Rates	649,366	649,049	647,905	647,095	646,692	646,278
3	Additional Service Revenues Required	0	35,183	72,146	106,014	141,493	185,172
4	Other Revenues (a)	23,966	23,397	7,164	26,138	5,707	4,920
5	Total Water & Wastewater Revenues (Line 2 + Line 3 + Line 4)	673,332	707,629	727,215	779,247	793,892	836,370
6	Total Operating Direct & Inter-departmental Expenditures (b)	(409,773)	(418,918)	(429,682)	(457,723)	(469,856)	(483,061)
7	Transfer **From / (To)** Rate Stabilization Fund	36,900	19,300	39,000	(12,300)	(100)	1,200
8	Total Debt Service (c)	(220,713)	(207,715)	(222,986)	(195,907)	(203,158)	(220,910)
9	Transfer **(To)** Capital Account Deposit	(21,215)	(21,745)	(22,289)	(22,846)	(23,417)	(24,003)
10	Transfer to Residual Fund (Line 5 + Line 6 + Line 7 + Line 8 + Line 9)	58,530	78,551	91,258	90,470	97,360	109,597
	RESIDUAL FUND	in thousand dollars (1,000 dollars)					
11	Beginning Balance: Residual Fund	15,172	42,004	90,393	146,176	190,952	240,787
12	End of Year Transfer **From** Revenue Fund (d)	58,530	78,551	91,258	90,470	97,360	109,597
13	Additions to Residual Fund (e)	892	1031	1222	1367	1534	1771
14	Transfers Out of Residual Fund (f)	(32,589)	(31,193)	(36,697)	(47,062)	(49,058)	(55,004)
15	Year-End Residual Fund Balance (Line 11 + Line 12 + Line 13 + Line 14)	42,004	90,393	146,176	190,952	240,787	297,150

Notes:

(a) Includes Other Operating Revenue + Interest Income [Operating, Rate Stabilization Funds, and Debt Service (interest greater than the City transfer requirement)].

(b) Inter-departmental charges include Fringes, Indemnities, and administrative costs from other City Departments.

(c) Debt Service relates to the Outstanding and Projected Debt Service + Pennvest parity bonds debt service.

(d) See Line 10 .

(e) Interest Income + Debt Service Reserve Interest (up to the City transfer requirement).

(f) Transfers to Construction and City General Funds.

Check Tally for Water/Sewer Combined

649,366	684,232	720,052	753,109	788,185
649,366	684,232	720,052		
	684,232	720,052	753,109	

TABLE C-2
COMBINED UTILITY: PROJECTED RATE STABILIZATION FUND AND COVENANTS METRICS PERFORMANCE

Line #	Description	2016	2017	2018	2019	2020	2021
	RATE STABILIZATION FUND	in thousand dollars (1,000 dollars)					
1	Beginning Balance: Rate Stabilization Fund	206,206	169,306	150,006	111,006	123,306	123,406
2	Transfers **From (To)** Revenue Fund (a)	(36,900)	(19,300)	(39,000)	12,300	100	(1,200)
3	Year-End Rate Stabilization Fund Balance (Line 1 + Line 2)	169,306	150,006	111,006	123,306	123,406	122,206
1989 General Ordinance Covenants							
4	Senior Debt Coverage (b)	1.36	1.48	1.50	1.57	1.59	1.60
5	Total Debt Coverage (c)	1.24	1.34	1.37	1.41	1.43	1.45
Insurance Covenants							
6	Senior Debt Coverage from Current Revenues (d)	1.19	1.38	1.33	1.57	1.59	1.59
O&M Actual to Budget Ratio							
7	Projected O&M Budget (e)	486,541	497,233	509,850	542,067	556,737	572,695
8	O&M Actual to Budget Ratio	84.2%	84.2%	84.3%	84.4%	84.4%	84.3%
Rate Board Ordinance Requirement							
9	Projected Total Revenues (f)	673,332	707,629	727,215	779,247	793,892	836,370
10	Projected Total Appropriations (g)	786,999	805,244	846,383	863,590	880,773	927,204
11	Ordinance Requirement Compliance (h)	Yes	Yes	Yes	Yes	Yes	Yes
Cash Funding							
12	Cash Funded Capital (i)	0.22	0.18	0.19	0.23	0.24	0.26

(a) See Line 20 in Table C-1.

(b) Senior Debt Coverage = (Total Revenues - Operating Expenses + Transfer From (to) Rate Stabilization) divided by Senior Debt. The 1989 General Ordinance requires the minimum Senior Debt Service Coverage of 1.20.

(c) Total Debt Coverage = (Total Revenues - Operating Expenses + Rate Stabilization Transfer) divided by (Senior Debt + Subordinate Debt + Capital Account Deposit). The 1989 General Ordinance requires the minimum Total Debt Service Coverage of 1.00.

(d) Senior Debt Coverage from Current Revenues = (Total Revenues - Operating Expenses - Transfer to Rate Stabilization Fund) divided by Senior Debt. Transfers from Rate Stabilization are excluded from the Total Revenues. The insurance covenants with Assured Guaranty Municipal Corporation require a minimum Senior Debt Service Coverage of 0.90 from current revenues.

(e) FY 2016 budget reflects the PWD adopted budget; FY 2017 through FY 2021 budget reflects annual cost escalation factors.

(f) Total Revenues includes service the City as required by the 1989 General Ordinance rate covenants.

(g) Total Appropriation = Total O&M Budget + Senior Debt + Subordinate Debt + Capital Account Deposit + Transfer to Rate Stabilization Fund + Transfer to Residual Fund. Costs to service the City included as required by the 1989 General Ordinance rate covenants.

(h) Rate Board Ordinance requires that Total Revenues not exceed Total Appropriations.

(i) Cash Funded Capital Ratio = (Capital Account Deposit + Residual Transfer to Construction Fund) divided by Capital Improvement Program annual expenses.

(a) See Line 7 in CASHFLOW-1 Table.

WCOS-1: Statement of Projected Revenue and Revenue Requirements (WATER UTILITY)

#	Description	2016	2017	2018	2019	2020	2021
1	Revenue Adjustment (Water)	0.00%	5.00%	5.00%	4.00%	4.00%	5.50%
		in thousand dollars (1,000 dollars)					
2	Service Revenues - Existing Rates	258,670	258,979	258,992	259,227	259,698	260,169
3	Additional Service Revenues Required	0	12,949	26,547	38,003	49,983	67,136
4	Other Revenues (a)	12,514	12,265	5,160	11,923	4,543	4,224
5	Total Water Revenues (Line 2 + Line 3 + Line 4)	271,184	284,193	290,699	309,152	314,224	331,529
6	Total Operating Direct & Inter-departmental Expenditures (b)	(172,810)	(177,130)	(182,317)	(192,382)	(197,823)	(204,052)
7	Transfer **From / (To)** Rate Stabilization Fund	24,900	(1,900)	8,100	(1,900)	(3,700)	(900)
8	Total Debt Service (c)	(90,112)	(69,981)	(76,389)	(70,337)	(66,782)	(74,553)
9	Transfer **(To)** Capital Account Deposit	(8,711)	(8,929)	(9,152)	(9,381)	(9,615)	(9,856)
10	Transfer to Residual Fund (Line 5 + Line 6 + Line 7 + Line 8 + Line 9)	24,451	26,253	30,942	35,153	36,303	42,168
	RESIDUAL FUND	in thousand dollars (1,000 dollars)					
11	Beginning Balance: Residual Fund	6,056	17,650	35,298	55,603	75,491	98,106
12	End of Year Transfer **From** Revenue Fund (d)	24,451	26,253	30,942	35,153	36,303	42,168
13	Additions to Residual Fund (e)	356	410	480	540	616	721
14	Transfers Out of Residual Fund (f)	(13,213)	(9,015)	(11,117)	(15,804)	(14,304)	(16,922)
15	Year-End Residual Fund Balance (Line 11 + Line 12 + Line 13 + Line 14)	17,650	35,298	55,603	75,491	98,106	124,073
16	Water O&M as % of Total Water Department O&M	42%	42%	42%	42%	42%	42%
	Check	0	0	0	(0)	0	0

258,670 271,928 285,539

Notes:

(a) Includes Other Operating Revenue + Interest Income [Operating, Rate Stabilization Funds, and Debt Service (interest greater than the City transfer requirement)].

(b) Inter-departmental charges include Fringes, Indemnities, and administrative costs from other City Departments.

(c) Debt Service relates to the Outstanding and Projected Debt Service + Pennvest parity bonds debt service.

(d) See Line 10.

(e) Interest Income + Debt Service Reserve Interest (up to the City transfer requirement).

(f) Transfers to Construction and City General Funds.

WCOS-2: Rate Stabilization Fund and Debt Service Coverage Performance (WATER UTILITY)

#		2016	2017	2018	2019	2020	2021
	RATE STABILIZATION FUND	in thousand dollars (1,000 dollars)					
1	Beginning Balance: Rate Stabilization Fund	77,608	52,708	54,608	46,508	48,408	52,108
2	Transfers **From (To)** Revenue Fund (a)	(24,900)	1,900	(8,100)	1,900	3,700	900
3	Year-End Rate Stabilization Fund Balance (Line 1 + Line 2)	52,708	54,608	46,508	48,408	52,108	53,008
1989 General Ordinance Covenants							
4	Senior Debt Coverage (b)	1.36	1.50	1.52	1.63	1.68	1.69
5	Total Debt Coverage (c)	1.25	1.33	1.36	1.44	1.48	1.50
Insurance Covenants							
6	Senior Debt Coverage from Current Revenues (d)	1.09	1.50	1.41	1.63	1.68	1.69
	Check	0	0	0	0	0	0

(a) See Line 7 in WCOS-1 Table.

(b) Senior Debt Coverage = (Total Revenues - Operating Expenses + Transfer From (to) Rate Stabilization) divided by Senior Debt. The 1989 General Ordinance requires the minimum Senior Debt Service Coverage of 1.20.

(c) Total Debt Coverage = (Total Revenues - Operating Expenses + Rate Stabilization Transfer) divided by (Senior Debt + Subordinate Debt + Capital Account Deposit). The 1989 General Ordinance requires the minimum Total Debt Service Coverage of 1.00.

(d) Senior Debt Coverage from Current Revenues = (Total Revenues - Operating Expenses - Transfer to Rate Stabilization Fund) divided by Senior Debt. Transfers from Rate Stabilization are excluded from the Total Revenues. The insurance covenants with Assured Guaranty Municipal Corporation require a minimum Senior Debt Service Coverage of 0.90 from current revenues.

WCOS-3: REVENUE REQUIREMENTS
(in thousands of dollars)

		Fiscal Year Ending June 30,		
Line #	Description	FY 2017	FY 2018	FY 2019
	Operations			
1	Operation and Maintenance Expense	177,130	182,317	192,382
	Capital			
2	Existing Debt Service	64,189	64,791	49,526
3	Proposed Debt service	5,792	11,597	20,811
4	Capital Account Deposit	8,929	9,152	9,381
	Transfer to/(from)			
5	Rate Stabilization Fund	1,900	(8,100)	1,900
6	Residual Fund	26,253	30,942	35,153
7	**Total Revenue Requirement**	**284,193**	**290,699**	**309,152**
	Less: Other Sources of Revenue			
8	Interest (a)	(360)	(340)	(355)
9	Other Operating Revenues (b)	(11,904)	(4,820)	(11,568)
10	**Subtotal-Other Sources**	**(12,265)**	**(5,160)**	**(11,923)**
11	**Net Revenue Requirement**	**271,928**	**285,539**	**297,230**
	Check	0	0	0

Notes:

(a) Interest Income on Construction, Operating, Rate Stabilization Funds, and Debt Service (interest greater than the City transfer requirement).

(b) Includes penalties and other miscellaneous revenue.

WCOS-3a: REVENUE REQUIREMENTS - OPERATING COMPONENT
(in thousands of dollars)

		Fiscal Year Ending June 30,		
Line #	Description	FY 2017	FY 2018	FY 2019
	Operations			
1	Operation and Maintenance Expense	177,130	182,317	192,382
	Transfer to/(from)			
2	Rate Stabilization Fund (a)	1,314	(5,513)	1,343
3	Residual Fund (b)	18,162	21,060	24,854
4	**Total Revenue Requirement**	**196,606**	**197,864**	**218,579**
	Less: Other Sources of Revenue			
5	Interest	(249)	(231)	(251)
6	Other Operating Revenues	(11,904)	(4,820)	(11,568)
7	**Subtotal-Other Sources**	**(12,153)**	**(5,051)**	**(11,819)**
8	**Net Revenue Requirement**	**184,453**	**192,813**	**206,760**
	Check	0	0	0

Notes:

(a) Rate Stabilization transfer allocated based on allocation of revenue requirements.

(b) Residual Fund transfer allocated based on allocation of revenue requirements.

WCOS-3b: REVENUE REQUIREMENTS - CAPITAL COMPONENT
(in thousands of dollars)

Line #	Description	Fiscal Year Ending June 30, FY 2017	FY 2018	FY 2019	
	Capital				
9	Existing Debt Service	64,189	64,791	49,526	
10	Proposed Debt service	5,792	11,597	20,811	
11	Capital Account Deposit	8,929	9,152	9,381	
	Transfer to/(from)				
12	Rate Stabilization Fund	586	(2,587)	557	
13	Residual Fund	8,091	9,882	10,299	
14	**Total Revenue Requirement**	87,587	92,835	90,574	
	Less: Other Sources of Revenue				
15	Interest	(111)	(109)	(104)	
16	Other Operating Revenues	0	0	0	
17	**Total Other Revenue**	(111)	(109)	(104)	
18	**Net Revenue Requirement**	87,475	92,726	90,470	
19	Depreciation	33,826	33,826	33,826	Input number from WCOS model
20	Return on Rate Base (c)	53,649	58,900	56,644	
21	Return on Rate Base - Wholesale	964	964	964	Input number from WCOS model
22	Return on Rate Base - Inside City (d)	52,685	57,936	55,680	
23	Plant Investment Serving Inside City	1,413,859	1,413,859	1,413,859	
24	Rate of Return - Inside City (e)	3.73%	4.10%	3.94%	
25	Rate of Return - Outside City	7.50%	7.50%	7.50%	
	Check	0	0	0	

Notes:
(a) Rate Stabilization transfer allocated based on allocation of revenue requirements.
(b) Residual Fund transfer allocated based on allocation of revenue requirements.
(c) Net revenue requirement less depreciation
(d) Line 20 less Line 21
(e) Line 22 divided by Line 23.

SCOS-1: Statement of Projected Revenue and Revenue Requirements (WASTEWATER UTILITY)

#	Description	2016	2017	2018	2019	2020	2021			
1	**Revenue Adjustment (Wastewater)**	0.00%	5.70%	5.70%	5.20%	5.20%	5.60%			
		in thousand dollars (1,000 dollars)								
2	Service Revenues - Existing Rates	390,696	390,070	388,913	387,868	386,994	386,109			
3	Additional Service Revenues Required	0	22,234	45,600	68,011	91,510	118,036			
4	Other Revenues (a)	11,452	11,132	2,003	14,215	1,164	696			
5	**Total Wastewater Revenues (Line 2 + Line 3 + Line 4)**	**402,148**	**423,436**	**436,516**	**470,094**	**479,668**	**504,841**	390,696	412,304	434,513
6	Total Operating Direct & Inter-departmental Expenditures (b)	(236,964)	(241,788)	(247,365)	(265,341)	(272,034)	(279,008)			
7	Transfer **From / (To)** Rate Stabilization Fund	12,000	21,200	30,900	(10,400)	3,600	2,100			

8	Total Debt Service (c)	(130,601)	(137,733)	(146,598)	(125,570)	(136,376)	(146,356)
9	Transfer **(To)** Capital Account Deposit	(12,504)	(12,817)	(13,137)	(13,466)	(13,802)	(14,147)
10	Transfer to Residual Fund (Line 5 + Line 6 + Line 7 + Line 8 + Line 9)	34,079	52,298	60,316	55,317	61,057	67,429
	RESIDUAL FUND	**in thousand dollars (1,000 dollars)**					
11	Beginning Balance: Residual Fund	9,116	24,354	55,095	90,573	115,461	142,681
12	End of Year Transfer **From** Revenue Fund (d)	34,079	52,298	60,316	55,317	61,057	67,429
13	Additions to Residual Fund (e)	536	621	742	828	918	1,050
14	Transfers Out of Residual Fund (f)	(19,375)	(22,178)	(25,580)	(31,257)	(34,754)	(38,083)
15	Year-End Residual Fund Balance (Line 11 + Line 12 + Line 13 + Line 14)	24,354	55,095	90,573	115,461	142,681	173,077
16	Wastewater O&M as % of Total Water Department O&M	58%	58%	58%	58%	58%	58%
	Check	0	0	0	0	0	0

Notes:

(a) Includes Other Operating Revenue + Interest Income (Construction, Operating, Rate Stabilization Funds, and Debt Service (interest greater than the City transfer requirement).

(b) Inter-departmental charges include Fringes, Indemnities, and administrative costs from other City Departments.

(c) Debt Service relates to the Outstanding and Projected Debt Service + Pennvest parity bonds debt service.

(d) See Line 10.

(e) Interest Income + Debt Service Reserve Interest (up to the City transfer requirement).

(f) Transfers to Construction and City General Funds.

SCOS-2: Rate Stabilization Fund and Debt Service Coverage Performance (WASTEWATER UTILITY)

#		2016	2017	2018	2019	2020	2021
	RATE STABILIZATION FUND	in thousand dollars (1,000 dollars)					
1	Beginning Balance: Rate Stabilization Fund	128,598	116,598	95,398	64,498	74,898	71,298
2	Transfers **From (To)** Revenue Fund (a)	(12,000)	(21,200)	(30,900)	10,400	(3,600)	(2,100)
3	Year-End Rate Stabilization Fund Balance (Line 1 + Line 2)	116,598	95,398	64,498	74,898	71,298	69,198
1989 General Ordinance Covenants							
4	Senior Debt Coverage (b)	1.35	1.47	1.50	1.54	1.54	1.55
5	Total Debt Coverage (c)	1.24	1.35	1.38	1.40	1.41	1.42
Insurance Covenants							
6	Senior Debt Coverage from Current Revenues (d)	1.26	1.31	1.29	1.54	1.52	1.54
	Check	0	0	0	0	0	0

(a) See Line 7 in WCOS-1 Table.

(b) Senior Debt Coverage = (Total Revenues - Operating Expenses + Transfer From (to) Rate Stabilization) divided by Senior Debt. The 1989 General Ordinance requires the minimum Senior Debt Service Coverage of 1.20.

(c) Total Debt Coverage = (Total Revenues - Operating Expenses + Rate Stabilization Transfer) divided by (Senior Debt + Subordinate Debt + Capital Account Deposit). The 1989 General Ordinance requires the minimum Total Debt Service Coverage of 1.00.

(d) Senior Debt Coverage from Current Revenues = (Total Revenues - Operating Expenses - Transfer to Rate Stabilization Fund) divided by Senior Debt. Transfers from Rate Stabilization are excluded from the Total Revenues. The insurance covenants with Assured Guaranty Municipal Corporation require a minimum Senior Debt Service Coverage of 0.90 from current revenues.

SCOS-3: REVENUE REQUIREMENTS
(in thousands of dollars)

		Fiscal Year Ending June 30,		
Line #	Description	FY 2017	FY 2018	FY 2019
	Operations			
1	Operation and Maintenance Expense	245,363	251,141	268,995
	Capital			
2	Existing Debt Service	129,734	130,904	96,868
3	Proposed Debt service	7,999	15,694	28,702
4	Capital Account Deposit	12,817	13,137	13,466
5	Water Treatment Plant Sludge	(3,575)	(3,776)	(3,654)
	Transfer to/(from)			
6	Rate Stabilization Fund	(21,200)	(30,900)	10,400
7	Residual Fund	52,298	60,316	55,317
8	**Total Revenue Requirement**	**423,436**	**436,516**	**470,094**
	Less: Other Sources of Revenue			
9	Interest (a)	(611)	(515)	(544)
10	Other Operating Revenues (b)	(10,521)	(1,488)	(13,671)
11	**Subtotal-Other Sources**	**(11,132)**	**(2,003)**	**(14,215)**
12	**Net Revenue Requirement**	**412,304**	**434,513**	**455,879**
	Check	0	0	0

Notes:

(a) Interest Income on Construction, Operating, Rate Stabilization Funds, and Debt Service (interest greater than the City transfer requirement).

(b) Includes penalties and other miscellaneous revenue.

SCOS-3a: REVENUE REQUIREMENTS - OPERATING COMPONENT
(in thousands of dollars)

		Fiscal Year Ending June 30,		
Line #	Description	FY 2017	FY 2018	FY 2019
	Operations			
1	Operation and Maintenance Expense	245,363	251,141	268,995
	Transfer to/(from)			
2	Rate Stabilization Fund (a)	(13,258)	(19,062)	6,918
3	Residual Fund (b)	32,706	37,209	36,797
4	**Total Revenue Requirement**	**264,811**	**269,288**	**312,710**
	Less: Other Sources of Revenue			
5	Interest	(393)	(326)	(380)
6	Other Operating Revenues	(10,521)	(1,488)	(13,671)
7	**Subtotal-Other Sources**	**(10,914)**	**(1,814)**	**(14,051)**
8	**Net Revenue Requirement**	**253,896**	**267,473**	**298,659**
	Check	0	0	0

Notes:
(a) Rate Stabilization transfer allocated based on allocation of revenue requirements.
(b) Residual Fund transfer allocated based on allocation of revenue requirements.

SCOS-3b: REVENUE REQUIREMENTS - CAPITAL COMPONENT
(in thousands of dollars)

		Fiscal Year Ending June 30,			
Line #	Description	FY 2017	FY 2018	FY 2019	
	Capital				
9	Existing Debt Service	129,734	130,904	96,868	
10	Proposed Debt service	7,999	15,694	28,702	
11	Capital Account Deposit	12,817	13,137	13,466	
12	Sludge	(3,575)	(3,776)	(3,654)	
	Transfer to/(from)				
13	Rate Stabilization Fund	(7,942)	(11,838)	3,482	
14	Residual Fund	19,592	23,107	18,520	
15	**Total Revenue Requirement**	**158,625**	**167,229**	**157,384**	
	Less: Other Sources of Revenue				
16	Interest	(218)	(189)	(164)	
17	Other Operating Revenues	0	0	0	
18	**Net Revenue Requirement**	**158,407**	**167,040**	**157,220**	
19	Depreciation	42,642	33,826	33,826	Input number from SCOS model
20	Return on Rate Base (c)	115,765	133,214	123,394	
21	Return on Rate Base - Wholesale	4,042	964	964	Input number from SCOS model
22	Return on Rate Base - Inside City (d)	111,723	132,250	122,430	
23	Plant Investment Serving Inside City	1,941,921			
24	Rate of Return - Inside City (e)	5.75%	#DIV/0!	#DIV/0!	
25	Rate of Return - Outside City				
	Check	0	0	0	

Notes:
(a) Rate Stabilization transfer allocated based on allocation of revenue requirements.
(b) Residual Fund transfer allocated based on allocation of revenue requirements.
(c) Net revenue requirement less depreciation
(d) Line 20 less Line 21
(e) Line 22 divided by Line 23.

CURRENT MODEL

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

TABLE VI-1

METER BASED MONTHLY SERVICE CHARGES

Water			Wastewater			
	Meter Size	Adopted Effective		Meter Size	Existing Effective ##########	Adopted Effective
	Inches	$		Inches	$	$
	5/8			5/8	6.55	
	3/4			3/4	8.04	
	1			1	11.39	
	1-1/2			1-1/2	19.24	
	2			2	29.31	
	3			3	52.07	
	4			4	89.15	
	6			6	174.77	
	8			8	275.38	
	10			10	398.07	
	12			12	715.77	

QUANTITY CHARGES

Water			Wastewater			
Monthly Water Usage		Adopted Effective	Description	Units	Existing Effective ##########	Adopted Effective
		$				
First 2 Mcf			All Billable Water Usage	$/Mcf	28.07	
Next 98 Mcf						
Next 1900 Mcf			BOD in excess of 250 mg	$/lb	0.350	
Over 2000 Mcf			SS in excess of 350 mg/l	$/lb	0.332	

RESIDENTIAL STORMWATER

Description	Adopted Effective
	$
Charge Per Parcel	
Billing & Collection	

NON RESIDENTIAL STORMWATER

Description	Units	Existing Effective ##########	Adopted Effective
Gross Area	$/500 sf	0.59	
Impervious Area	$/500 sf	4.75	
Billing & Collection	$	2.19	

Notes:
The stormwater charges for Non residential and condominium parcels are same
sf - square feet
Mcf - Thousand cubic feet
mg/l - miligrams per liter
BOD - Biochemical Oxygen Demand
SS - Suspended Solids

TABLE VI-2

PROJECTED REVENUE
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Operating Revenue							
	Water Operations							
1	Retail Customers	235,321	235,727	236,036	236,049	236,284	236,755	237,226
2	City Service	8,046	7,566	7,566	7,566	7,566	7,566	7,566
3	Private Fire Protection	2,727	3,523	3,523	3,523	3,523	3,523	3,523
4	Public Fire Protection	8,162	8,162	8,162	8,162	8,162	8,162	8,162
5	Wholesale	3,756	3,692	3,692	3,692	3,692	3,692	3,692
6	Subtotal Water Service Revenue	258,012	258,670	258,979	258,992	259,227	259,698	260,169
7	Other Operating Revenue	14,341	12,164	11,904	4,820	11,568	4,172	3,839
8	Total Water Operations	272,353	270,834	270,883	263,812	270,795	263,870	264,008
	Wastewater Operations							
9	Retail Customers	194,620	195,007	195,290	195,288	195,471	195,837	196,200
10	City Service	5,787	6,969	6,969	6,969	6,969	6,969	6,969
11	Wholesale	33,221	31,706	31,706	31,706	31,706	31,706	31,706
12	Excess Strength Service Charge	3,407	4,000	4,000	4,000	4,000	4,000	4,000
13	Stormwater	153,615	153,014	152,104	150,950	149,722	148,482	147,233
14	Subtotal Wastewater Service Reve	390,651	390,696	390,070	388,913	387,868	386,994	386,109
15	Other Operating Revenue	12,727	10,798	10,521	1,488	13,671	622	150
16	Total Wastewater Operations	403,378	401,494	400,591	390,402	401,539	387,616	386,259
17	Total Operating Revenue	675,731	672,328	671,474	654,214	672,334	651,486	650,266
	Nonoperating Income							
18	Interest Income - Capital Funds (a)	0	0	0	0	0	0	0
19	Interest Income - Operating Funds (b)	972	855	899	913	932	994	1,018
20	Total Nonoperating Income	972	855	899	913	932	994	1,018
21	Total Water Department Revenue	676,703	673,183	672,373	655,127	673,265	652,481	651,285

(a) Includes interest income on the Construction Fund and Debt Service Reserve Account. Excludes deposit into Residual Fund for Transfer to City General Fund. Up to $4,994,000 annually in interest income on the Debt Service Reserve Account is transferred to the City General Fund
(b) Includes interest income on Revenue and Rate Stabilization Funds.

21,995	22,697	22,697	22,697	22,697	22,697	22,697

TABLE VI-3

NEED TO ADJUST Per Note on Issue Log to pick up selected scenario

CAPITAL IMPROVEMENT PROGRAM
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	WATERWORKS IMPROVEMENTS							
1	Engineering and Administration (a)	12,251	13,859	14,417	14,998	15,603	16,232	16,886
2	Water Treatment Plant Improvements	52,800	43,073	43,071	40,869	40,867	40,865	43,063
3	Distribution System Rehabilitation	36,060	49,060	49,060	69,060	69,060	69,060	49,060
	Large Meter Replacement							
4	Vehicles	1,000	5,000	4,000	4,000	4,000	4,000	4,000
	Other	0	0	0	0	0	0	0
5	Subtotal	102,111	110,992	110,548	128,928	129,530	130,157	113,008
	WASTEWATER COLLECTION AND TREATMENT							
6	Engineering and Administration	14,382	16,269	16,925	17,607	18,316	19,054	19,822
7	Water Pollution Control Plant Improveme	72,200	66,820	66,818	64,016	64,013	64,010	66,807
8	Storm Flood Relief	0	15,000	15,000	15,000	15,000	15,000	15,000
9	Reconstruction of Old Sewers	30,660	34,960	34,960	34,960	34,960	34,960	45,260
10	Vehicles	1,000	5,000	4,000	4,000	4,000	4,000	4,000
11	Subtotal	118,242	138,049	137,703	135,582	136,289	137,024	150,890
12	Total Improvements (Line 5 + Line 11)	102,111	110,992	110,548	128,928	129,530	130,157	113,008
13	Inflation Adjustment (b)	158,242	173,049	184,703	193,739	206,047	218,848	250,312
14	Inflated Total	260,353	284,041	295,251	322,666	335,577	349,005	363,321

(a) Excludes allowance for inflation, which is included on Line 13.

(b) Cost estimates for fiscal years 2016 to 2021 are in terms of fiscal year 2016 cost levels. Allowance for inflation of 4.0 percent.

TABLE VI-4

ANNUAL CASH CAPITAL IMPROVEMENT FINANCING REQUIREMENT
(in thousands of dollars)

Fiscal Year Ending June 30	Total Capital Improvements	Net Cash Financing Required
2015	260,353	174,109
2016	284,041	242,553
2017	300,385	282,000
2018	332,857	300,000
2019	345,818	300,000
2020	359,287	300,000
2021	367,738	300,000

TABLE VI-5

PROJECTED FLOW OF FUNDS - CONSTRUCTION FUND
WATER DEPARTMENT
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Disposition of Bond Proceeds							
1	Proceeds From Sale of Bonds	308,638	0	270,000	275,000	280,000	270,000	285,000
	Transfers:							
2	Debt Reserve Account (a)	7,052	0	2,273	0	0	17,564	8,160
3	Cost of Bond Issuance (b)	1,586	0	1,387	1,413	1,439	1,387	1,465
4	Construction Fund (c)	300,000	0	266,339	273,587	278,561	251,049	275,375
5	Total Issue	308,638	0	270,000	275,000	280,000	270,000	285,000
	Construction Fund							
6	Beginning Balance	241,647	426,507	238,164	282,740	315,591	364,520	388,639
7	Transfer From Bond Proceeds	300,000	0	266,339	273,587	278,561	251,049	275,375
8	PENNVEST Loan Proceeds	371	0	7,155	0	0	0	0
9	Capital Account Deposit	20,697	21,215	21,745	22,289	22,846	23,417	24,003
10	Transfer from Residual Account	36,700	31,800	30,400	35,900	46,300	48,300	54,200
11	Total Available	599,415	479,522	563,804	614,516	663,298	687,286	742,217
12	Net Cash Financing Required	(174,109)	(242,553)	(282,000)	(300,000)	(300,000)	(300,000)	(300,000)
13	Ending Balance	425,307	236,970	281,804	314,516	363,298	387,286	442,217
	Debt Service Reserve							
14	Beginning Balance	212,068	219,120	219,120	221,393	221,393	201,752	219,316
15	Transfer From Bond Proceeds	7,052	0	2,273	0	0	17,564	8,160
16	Transfer From Residual Fund	0	0	0	0	0	0	0
17	Transfer to Revenue Fund	0	0	0	0	(19,641)	0	0
18	Ending Balance	219,120	219,120	221,393	221,393	201,752	219,316	227,476
	Interest Income							
19	Construction Fund	1,201	1,194	936	1,075	1,222	1,353	1,496
20	Debt Reserve Account (d)	776	789	793	797	762	758	804
21	Total Interest Income	1,977	1,983	1,729	1,872	1,984	2,111	2,300

(a) Amount of Debt Service Reserve Account deposit estimated based on maximum annual future debt service payment.

(b) Cost of bonds issuance assumed at 1.5 percent of issue amount. FY 2015 based on actual issuance costs.

(c) Deposits equal proceeds from sale of bonds less transfers to the Debt Reserve Account and Costs of Issuance.

(d) Interest income is transferred to the Residual Fund in the lesser amount of $4,994,000 and actual interest earned.

TABLE VI-6

PROJECTED OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Water Operations							
1	Personal Services	40,596	40,377	41,588	42,836	45,216	46,507	47,754
2	Purchase of Services	36,072	37,552	37,736	38,582	41,110	42,137	43,108
3	Materials and Supplies	26,315	26,824	27,607	28,415	29,508	30,374	31,260
4	Equipment	935	1,112	1,137	1,163	1,266	1,296	1,326
5	Contributions, Indemnities, Refunds and T	2,248	2,356	2,403	2,451	2,525	2,601	2,679
6	Interdepartmental Charges	62,112	67,354	69,097	70,886	75,144	76,991	79,349
7	Subtotal Operating Expenses	168,278	175,576	179,569	184,333	194,768	199,906	205,476
8	Less: Liquidated Encumbrances	(9,364)	(13,220)	(13,391)	(13,694)	(14,695)	(15,081)	(15,464)
9	Operating Expenses - Water	158,913	162,356	166,178	170,639	180,073	184,825	190,012
	Wastewater Operations							
10	Personal Services	57,847	57,705	59,436	61,219	64,915	66,863	68,726
11	Purchase of Services	93,291	93,960	94,906	96,873	105,417	108,091	110,851
12	Materials and Supplies	12,711	13,535	13,847	14,167	15,020	15,475	15,838
13	Equipment	914	1,254	1,283	1,311	1,394	1,427	1,459
14	Contributions, Indemnities, Refunds and T	3,997	4,189	4,273	4,358	4,489	4,624	4,762
15	Interdepartmental Charges	89,282	96,603	99,081	101,655	108,457	111,175	114,609
16	Subtotal Operating Expenses	258,041	267,246	272,826	279,583	299,693	307,654	316,246
17	Less: Liquidated Encumbrances	(14,047)	(19,829)	(20,086)	(20,541)	(22,043)	(22,622)	(23,197)
18	Operating Expenses - Wastewater	243,995	247,417	252,740	259,043	277,650	285,032	293,049
19	Total Operating Expenses	402,908	409,773	418,918	429,682	457,723	469,856	483,061
	Total							
	Personal Services	98,443	98,082	101,024	104,055	110,131	113,370	116,481
	Purchase of Services	129,363	131,512	132,642	135,455	146,527	150,228	153,959
	Materials and Supplies	39,025	40,359	41,455	42,582	44,528	45,849	47,098
	Equipment	1,849	2,367	2,420	2,474	2,660	2,722	2,785
	Contributions, Indemnities, Refunds and T	6,245	6,545	6,676	6,810	7,014	7,224	7,441
	Interdepartmental Charges	151,394	163,957	168,178	172,541	183,601	188,166	193,958
	Subtotal Operating Expenses	426,319	442,822	452,395	463,916	494,461	507,560	521,722
	Less: Liquidated Encumbrances	(23,411)	(33,049)	(33,477)	(34,234)	(36,738)	(37,704)	(38,661)
	Total Operating Expenses	402,908	409,773	418,918	429,682	457,723	469,856	483,061

TABLE VI-7

FUTURE DEBT SERVICE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	Revenue Bonds							
1	Existing (a)	192,927	198,602	181,580	182,769	133,274	122,358	122,545
	Proposed							
2	Fiscal Year 2015 (b)	0	9,769	13,791	13,791	13,791	13,791	13,791
3	Fiscal Year 2016		0	0	0	0	0	0
4	Fiscal Year 2017 (c)			0	13,500	17,832	17,832	17,832
5	Fiscal Year 2018 (d)				0	17,889	17,889	17,889
6	Fiscal Year 2019 (d)					0	18,214	18,214
7	Fiscal Year 2020 (d)						0	17,564
8	Fiscal Year 2021 (e)							0
9	Total Proposed	0	9,769	13,791	27,291	49,512	67,727	85,291
10	Total Revenue Bonds	192,927	208,370	195,371	210,060	182,787	190,084	207,835
	Pennvest Loans							
11	Pennvest Parity Loans	12,343	12,343	12,343	12,927	13,120	13,074	13,074
12	Total Debt Service	205,270	220,713	207,715	222,986	195,907	203,158	220,910

(a) Assumes the average interest rates of 3.0 % for the Variable Rate Series 1997B Bonds and 4.53% for the Variable Rate Series 2005B Bonds.
(b) Reflects actual Series 2015A Bonds debt service
(c) Assumes interest only payments through FY 2018 based on 5.00% interest. Assumed to be issued during the second half of the fiscal year.
(d) Assumes 5.00% interest rate. Assumed to be issued during the second half of the fiscal year.
(e) Assumes 5.00% interest rate. Assumed to be issued during the second half of the fiscal year.

TABLE 1

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description		Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	OPERATING REVENUE								
1	Water Service - Existing Rates		258,012	258,670	258,979	258,992	259,227	259,698	260,169
2	Wastewater Service - Existing Rates		390,651	390,696	390,070	388,913	387,868	386,994	386,109
3	Total Service Revenue - Existing Rates		648,663	649,366	649,049	647,905	647,095	646,692	646,278
	Additional Service Revenue Required								
	Year	Percent Increase							
4	FY 2016	0.00%		0	0	0	0	0	0
5	FY 2017	5.42%			35,183	35,118	35,070	35,044	35,017
6	FY 2018	5.42%				37,029	36,978	36,950	36,922
7	FY 2019	4.72%					33,966	33,936	33,905
8	FY 2020	4.73%						35,563	35,531
9	FY 2021	5.56%							43,798
10	Total Additional Service Revenue Require		0	0	35,183	72,146	106,014	141,493	185,172
11	Total Water & Wastewater Service Revenu		648,663	649,366	684,232	720,052	753,109	788,185	831,450
	Other Income (a)								
12	Other Operating Revenue		27,068	22,962	22,425	6,308	25,239	4,794	3,989
13	Construction Fund Interest Income		0	0	0	0	0	0	0
14	Debt Reserve Fund Interest Income		0	0	0	0	0	0	0
15	Operating Fund Interest Income		374	328	397	385	477	469	490
16	Rate Stabilization Interest Income		704	676	575	470	422	444	442
17	Total Revenues		676,809	673,332	707,629	727,215	779,247	793,892	836,370
	OPERATING EXPENSES								
18	Water & Wastewater Operations		(251,514)	(245,816)	(250,740)	(257,141)	(274,122)	(281,690)	(289,103)
19	Direct Interdepartmental Charges		(151,394)	(163,957)	(168,178)	(172,541)	(183,601)	(188,166)	(193,958)
20	Total Operating Expenses		(402,908)	(409,773)	(418,918)	(429,682)	(457,723)	(469,856)	(483,061)
	NET REVENUES								
21	Transfer From/(To) Rate Stabilization Fun		(21,410)	36,900	19,300	39,000	(12,300)	(100)	1,200
22	NET REVENUES (L 17 + L 20 + L 21)		252,491	300,458	308,010	336,534	309,223	323,936	354,509
	DEBT SERVICE								
	Senior Debt Service								
	Revenue Bonds								
23	Outstanding Bonds		(192,927)	(198,602)	(181,580)	(182,769)	(133,274)	(122,358)	(122,545)
24	Pennvest Parity Bonds		(12,343)	(12,343)	(12,343)	(12,927)	(13,120)	(13,074)	(13,074)
25	Projected Future Bonds		0	(9,769)	(13,791)	(27,291)	(49,512)	(67,727)	(85,291)
26	Total Senior Debt Service		(205,270)	(220,713)	(207,715)	(222,986)	(195,907)	(203,158)	(220,910)
27	**TOTAL SENIOR DEBT SERVICE COVERAGE (**		1.23 x	1.36 x	1.48 x	1.50 x	1.57 x	1.59 x	1.60 x
	Subordinate Debt Service								
28	Outstanding General Obligation Bond		0	0	0	0	0	0	0
29	Pennvest Subordinate Bonds		0	0	0	0	0	0	0
30	Total Subordinate Debt Service		0	0	0	0	0	0	0
31	Total Debt Service on Bonds		(205,270)	(220,713)	(207,715)	(222,986)	(195,907)	(203,158)	(220,910)
32	**CAPITAL ACCOUNT DEPOSIT**		(20,697)	(21,215)	(21,745)	(22,289)	(22,846)	(23,417)	(24,003)
33	TOTAL COVERAGE (L22/(L31+L32))		1.11 x	1.24 x	1.34 x	1.37 x	1.41 x	1.42 x	1.44 x

TABLE 1
(Continued)

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021
	RESIDUAL FUND							
34	Beginning of Year Balance	25,275	15,172	42,004	90,393	146,176	190,952	240,787
35	Interest Income	73	103	238	425	606	776	967
	Plus:							
36	End of Year Revenue Fund Balance	26,524	58,530	78,551	91,258	90,470	97,360	109,597
37	Deposit for Transfer to City General Fund	776	789	793	797	762	758	804
	Less:							
38	Transfer to Construction Fund	(36,700)	(31,800)	(30,400)	(35,900)	(46,300)	(48,300)	(54,200)
39	Transfer to City General Fund	(776)	(789)	(793)	(797)	(762)	(758)	(804)
40	Transfer to Debt Service Reserve Fund	0	0	0	0	0	0	0
41	End of Year Balance	15,172	42,004	90,393	146,176	190,952	240,787	297,150

(a) Includes other operating and nonoperating income, including interest income on funds and accounts transferable to the Revenue Fund.

(b) Transfer of interest earnings from the Bond Reserve Account to the Residual Fund as shown in Line 37 to satisfy the requirements for the Transfer to the City General Fund.

TABLE 2

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 374.2691	375.2691	376.2691	377.2691	378.2691	379.2691	380.2691
	RATE STABILIZATION FUND							
1	Beginning of Year Balance	184,796	206,206	169,306	150,006	111,006	123,306	123,406
2	Deposit From/(To) Revenue Fund	21,410	(36,900)	(19,300)	(39,000)	12,300	100	(1,200)
3	End of Year Balance	206,206	169,306	150,006	111,006	123,306	123,406	122,206

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

		642,736	645,841	642,986	638,957	634,878	630,793	629,086	627,630

TABLE VI-2

PROJECTED REVENUE
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Operating Revenue								
	Water Operations								
1	Metered Sales to General Customers	229,318	228,981	227,297	225,318	223,328	221,338	220,694	220,191
2	Municipal Service	7,976	7,987	7,987	7,987	7,987	7,987	7,987	7,987
3	Private Fire Protection	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258
4	Public Fire Protection	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162
5	Contract Service	3,762	3,762	3,762	3,762	3,762	3,762	3,762	3,762
6	Subtotal Water Service Revenue	251,475	251,150	249,467	247,487	245,498	243,507	242,863	242,361
7	Other Operating Revenue	11,065	11,045	11,992	10,736	18,384	10,686	10,649	10,643
8	Total Water Operations	262,540	262,195	261,459	258,223	263,882	254,194	253,512	253,004
	Wastewater Operations								
9	Metered Sales to General Customers	189,937	190,734	189,666	188,139	186,601	185,063	184,557	184,160
10	Municipal Service	10,575	10,603	10,603	10,603	10,603	10,603	10,603	10,603
11	Contract Service	32,973	34,653	34,653	34,653	34,653	34,653	34,653	34,653
12	Excess Strength Service Charge	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344
13	Stormwater	151,433	152,357	152,254	151,731	151,180	150,624	150,067	149,510
14	Subtotal Wastewater Service Revenue	391,261	394,690	393,519	391,470	389,381	387,286	386,223	385,269
15	Other Operating Revenue	14,165	14,146	15,857	13,816	26,255	13,743	13,545	13,529
16	Total Wastewater Operations	405,426	408,836	409,376	405,286	415,635	401,029	399,768	398,798
17	Total Operating Revenue	667,966	671,031	670,835	663,509	679,517	655,222	653,280	651,802
	Nonoperating Income								
18	Interest Income - Capital Funds (a)	1,158	1,049	724	753	751	770	809	869
19	Interest Income - Operating Funds (b)	1,093	1,001	863	703	757	790	839	949
20	Total Nonoperating Income	2,251	2,050	1,586	1,456	1,508	1,560	1,648	1,818
21	Total Water Department Revenue	670,217	673,081	672,422	664,965	681,025	656,782	654,928	653,619

(a) Includes interest income on the Construction Fund and Debt Service Reserve Account. Excludes deposit into Residual Fund for Transfer to
l. City General Fund. Up to $4,994,000 annually in interest income on the Debt Service Reserve Account is transferred to the City General Fund.
(b) Includes interest income on Revenue and Rate Stabilization Funds.

TABLE VI-3

CAPITAL IMPROVEMENT PROGRAM
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
1000	**WATERWORKS IMPROVEMENTS**								
1	Engineering and Administration (a)	12,251	13,859	13,863	13,867	13,871	14,434	11,850	12,319
2	Water Treatment Plant Improvements	55,000	48,353	48,351	48,349	48,347	48,345	48,343	29,480
3	Distribution System Rehabilitation	36,060	49,060	49,060	49,060	49,060	49,060	49,060	49,060
	Large Meter Replacement								
4	Vehicles	1,000	5,000	3,000	3,000	3,000	3,000	3,000	3,000
	Other	0	0	0	0	0	0	0	0
5	Subtotal	104,311	116,272	114,274	114,276	114,278	114,839	112,253	93,859
	WASTEWATER COLLECTION AND TREATMENT								
6	Engineering and Administration	14,382	16,269	16,274	16,278	16,283	15,729	18,321	14,462
7	Water Pollution Control Plant Improvements	70,000	61,540	61,538	61,536	61,533	61,530	61,527	37,520
8	Storm Flood Relief	40,000	54,300	66,300	71,300	71,300	71,300	71,600	52,000
9	Reconstruction of Old Sewers	30,660	30,660	30,660	30,660	30,660	30,660	30,660	90,660
10	Vehicles	1,000	5,000	3,000	3,000	3,000	3,000	3,000	3,000
11	Subtotal	156,042	167,769	177,772	182,774	182,776	182,219	185,109	197,642
12	Total Improvements (Line 5 + Line 11)	260,353	284,041	292,046	297,050	297,054	297,058	297,361	291,501
13	Inflation Adjustment (b)	0	0	11,682	24,239	37,091	50,458	64,424	77,341
14	Inflated Total	260,353	284,041	303,727	321,290	334,145	347,516	361,786	368,842

(a) Excludes allowance for inflation, which is included on Line 13.

(b) Cost estimates for fiscal years 2016 to 2021 are in terms of fiscal year 2016 cost levels. Allowance for inflation of 4.0 percent.

TABLE VI-4

ANNUAL CASH CAPITAL IMPROVEMENT FINANCING REQUIREMENT
(in thousands of dollars)

Fiscal Year Ending June 30	Total Capital Improvements	Net Cash Flow Adjustment	Net Cash Financing Required
2015	260,353	(58,653)	201,700
2016	284,041	(32,041)	252,000
2017	303,727	2,273	306,000
2018	321,290	2,711	324,001
2019	334,145	(4,145)	330,001
2020	347,516	(47,515)	300,001
2021	361,786	(36,179)	325,607

TABLE VI-5

PROJECTED FLOW OF FUNDS - CONSTRUCTION FUND
WATER DEPARTMENT
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Disposition of Bond Proceeds								
1	Proceeds From Sale of Bonds	300,000	0	270,000	275,000	280,000	270,000	285,000	305,000
	Transfers:								
2	Debt Reserve Account (a)	15,000	0	0	7,219	0	17,071	9,805	20,410
3	Cost of Bond Issuance (b)	4,500	0	4,050	4,125	4,200	4,050	4,275	4,575
4	Construction Fund (c)	280,500	0	265,950	263,656	275,800	248,879	270,920	280,015
5	Total Issue	300,000	0	270,000	275,000	280,000	270,000	285,000	305,000
	Construction Fund								
6	Beginning Balance	252,135	391,103	191,418	210,568	207,912	209,258	218,254	231,070
7	Transfer From Bond Proceeds	280,500	0	265,950	263,656	275,800	248,879	270,920	280,015
8	PENNVEST Loan Proceeds	371	0	7,155	0	0	0	0	0
9	Capital Account Deposit	20,697	21,215	21,745	22,289	22,846	23,417	24,003	24,603
10	Transfer from Residual Account	39,100	31,100	30,300	35,400	32,700	36,700	43,500	48,100
11	Total Available	592,803	443,418	516,568	531,913	539,259	518,255	556,677	583,788
12	Net Cash Financing Required	(201,700)	(252,000)	(306,000)	(324,001)	(330,001)	(300,001)	(325,607)	(331,956)
13	Ending Balance	391,103	191,418	210,568	207,912	209,258	218,254	231,070	251,831
	Debt Service Reserve								
14	Beginning Balance	228,236	243,236	243,236	240,000	247,219	227,071	244,142	253,946
15	Transfer From Bond Proceeds	15,000	0	0	7,219	0	17,071	9,805	20,410
16	Transfer From Residual Fund	0	0	0	0	0	0	0	0
17	Transfer to Revenue Fund	0	0	(3,236)	0	(20,148)	0	0	
18	Ending Balance	243,236	243,236	240,000	247,219	227,071	244,142	253,946	274,357
	Interest Income								
19	Construction Fund (d)	1,158	1,049	724	753	751	770	809	869
20	Debt Reserve Account (e)	849	876	870	877	854	848	897	951
21	Total Interest Income	2,006	1,924	1,593	1,630	1,605	1,618	1,705	1,820

(a) Amount of Debt Service Reserve Account deposit estimated based on maximum annual future debt service payment.

(b) Cost of bonds issuance assumed at 1.5 percent of issue amount.

(c) Deposits equal proceeds from sale of bonds less transfers to the Debt Reserve Account and Costs of Issuance.

(d) Interest income is transferred to the Revenue Fund.

(e) Interest income is transferred to the Residual Fund in the lesser amount of $4,994,000 or actual interest earned.

TABLE VI-6

PROJECTED OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Water Operations								
1	Personal Services	37,731	39,171	40,346	41,556	42,803	44,087	45,410	46,772
2	Purchase of Services	35,749	37,487	38,802	40,165	41,580	43,048	44,570	46,150
3	Materials and Supplies	27,565	26,739	28,094	29,524	31,031	32,622	34,299	36,069
4	Equipment	701	878	904	931	959	988	1,018	1,048
5	Contributions, Indemnities, Refunds and Taxes	2,936	2,843	2,929	3,017	3,107	3,200	3,296	3,395
6	Interdepartmental Charges	64,489	67,722	70,098	72,562	75,162	77,859	80,658	83,563
7	Subtotal Operating Expenses	169,170	174,840	181,173	187,755	194,643	201,804	209,251	216,997
8	Less: Liquidated Encumbrances	(13,480)	(10,000)	(10,656)	(11,036)	(11,432)	(11,843)	(12,271)	(12,717)
9	Operating Expenses - Water	155,690	164,840	170,517	176,719	183,211	189,961	196,980	204,280
	Wastewater Operations								
10	Personal Services	52,654	55,768	57,441	59,164	60,939	62,767	64,650	66,590
11	Purchase of Services	90,555	93,735	101,828	105,028	108,339	111,765	115,310	118,978
12	Materials and Supplies	14,162	14,111	14,637	15,185	15,756	16,350	16,970	17,617
13	Equipment	980	1,273	1,311	1,350	1,391	1,432	1,475	1,520
14	Contributions, Indemnities, Refunds and Taxes	5,219	5,055	7,007	8,863	5,524	5,689	5,860	6,036
15	Interdepartmental Charges	92,507	97,578	100,981	104,509	108,233	112,097	116,106	120,267
16	Subtotal Operating Expenses	256,076	267,519	283,204	294,099	300,181	310,101	320,372	331,006
17	Less: Liquidated Encumbrances	(20,220)	(15,000)	(15,984)	(16,555)	(17,148)	(17,765)	(18,407)	(19,075)
18	Operating Expenses - Wastewater	235,856	252,519	267,220	277,544	283,033	292,337	301,965	311,931
19	**Total Operating Expenses**	391,547	417,359	437,737	454,263	466,244	482,297	498,945	516,212
	Total								
	Personal Services	90,385	94,939	97,787	100,721	103,742	106,854	110,060	113,362
	Purchase of Services	126,303	131,222	140,630	145,194	149,919	154,812	159,880	165,128
	Materials and Supplies	41,727	40,850	42,732	44,709	46,787	48,972	51,269	53,685
	Equipment	1,681	2,151	2,215	2,282	2,350	2,421	2,493	2,568
	Contributions, Indemnities, Refunds and Taxes	8,155	7,898	9,935	11,879	8,631	8,890	9,156	9,431
	Interdepartmental Charges	156,995	165,300	171,079	177,070	183,394	189,956	196,765	203,829
	Subtotal Operating Expenses	425,247	442,360	464,378	481,854	494,824	511,905	529,623	548,003
	Less: Liquidated Encumbrances	(33,700)	(25,000)	(26,641)	(27,591)	(28,579)	(29,608)	(30,678)	(31,791)
	Total Operating Expenses	391,547	417,359	437,737	454,263	466,244	482,297	498,945	516,212

TABLE VI-7

FUTURE DEBT SERVICE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Revenue Bonds								
1	Existing (a)	195,205	202,417	183,119	184,188	134,960	124,455	124,642	113,544
	Proposed								
2	Fiscal Year 2015 (b)	0	15,000	15,000	15,000	20,488	20,488	20,488	20,488
3	Fiscal Year 2016		0	0	0	0	0	0	0
4	Fiscal Year 2017 (c)			7,088	14,175	18,619	18,619	18,619	18,619
5	Fiscal Year 2018 (c)				7,219	18,671	18,671	18,671	18,671
6	Fiscal Year 2019 (d)					9,368	18,737	18,737	18,737
7	Fiscal Year 2020 (d)						9,034	18,068	18,068
8	Fiscal Year 2021 (e)							9,805	19,610
9	**Total Proposed**	0	15,000	22,088	36,394	67,146	85,548	104,386	124,684
10	**Total Revenue Bonds**	195,205	217,417	205,206	220,582	202,106	210,003	229,028	238,228
	Pennvest Loans								
11	Pennvest Parity Loans	12,343	12,343	12,343	12,908	13,120	13,074	13,074	13,074
12	**Total Debt Service**	207,548	229,760	217,549	233,491	215,227	223,077	242,102	251,302

(a) Assumes the average interest rates of 3.0 % for the Variable Rate Series 1997B Bonds and 4.53% for the Variable Rate Series 2005B Bonds.
(b) Assumes interest only payments through FY 2018 based on 5.00% interest. Assumed to be issued during the second half of the fiscal year.
(c) Assumes interest only payments through FY 2018 based on 5.25% interest. Assumed to be issued during the first half of the fiscal year.
(d) Assumes 5.25% interest rate. Assumed to be issued during the first half of the fiscal year.
(e) Assumes 5.50% interest rate. Assumed to be issued during the first half of the fiscal year.

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description				Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	OPERATING REVENUE											
1	Water Service - Existing Rates				251,475	251,150	249,467	247,487	245,498	243,507	242,863	242,361
2	Wastewater Service - Existing Rates				391,261	394,690	393,519	391,470	389,381	387,286	386,223	385,269
3	Total Service Revenue - Existing Rates				642,736	645,841	642,986	638,957	634,878	630,793	629,086	627,630
	Additional Service Revenue Required											
	Year	Percent Increase	Months Effective									
4	FY 2016	0.00%	12			0	0	0	0	0	0	0
5	FY 2017	5.00%	12				32,149	31,948	31,744	31,540	31,454	31,381
6	FY 2018	4.80%	12					32,203	31,998	31,792	31,706	31,633
7	FY 2019	3.75%	12						26,198	26,030	25,959	25,899
8	FY 2020	4.00%	12							28,806	28,728	28,662
9	FY 2021	4.00%	12								29,877	29,808
10	Total Additional Service Revenue Required				0	0	32,149	64,151	89,940	118,167	147,725	147,383
11	Total Water & Wastewater Service Revenue				642,736	645,841	675,136	703,109	724,818	748,960	776,811	775,013
	Other Income (a)											
12	Other Operating Revenue				25,230	25,191	27,849	24,552	44,639	24,429	24,193	24,172
13	Construction Fund Interest Income				1,158	1,049	724	753	751	770	809	869
14	Debt Reserve Fund Interest Income				0	0	0	0	0	0	0	0
15	Operating Fund Interest Income				377	296	338	324	411	375	361	365
16	Rate Stabilization Interest Income				717	706	640	584	586	636	621	581
17	Total Revenues				670,217	673,081	704,687	729,322	771,205	775,170	802,795	801,001
	OPERATING EXPENSES											
18	Water & Wastewater Operations				(234,551)	(252,059)	(266,658)	(277,193)	(282,850)	(292,341)	(302,181)	(312,382)
19	Direct Interdepartmental Charges				(156,995)	(165,300)	(171,079)	(177,070)	(183,394)	(189,956)	(196,765)	(203,829)
20	Total Operating Expenses				(391,547)	(417,359)	(437,737)	(454,263)	(466,244)	(482,297)	(498,945)	(516,212)
	NET REVENUES											
21	Transfer From/(To) Rate Stabilization Fund				(23,300)	29,300	7,300	23,900	(25,000)	(2,800)	11,000	11,100
22	NET REVENUES (L 17 + L 20 + L 21)				255,371	285,022	274,250	298,959	279,961	290,073	314,850	284,789
	DEBT SERVICE											
	Senior Debt Service											
	Revenue Bonds											
23	Outstanding Bonds				(195,205)	(202,417)	(183,119)	(184,188)	(134,960)	(124,455)	(124,642)	(113,544)
24	Pennvest Parity Bonds				(12,343)	(12,343)	(12,343)	(12,908)	(13,120)	(13,074)	(13,074)	(13,074)
26	Projected Future Bonds				0	(15,000)	(22,088)	(36,394)	(67,146)	(85,548)	(104,386)	(124,684)
27	Total Senior Debt Service				(207,548)	(229,760)	(217,549)	(233,491)	(215,227)	(223,077)	(242,102)	(251,302)
28	**TOTAL SENIOR DEBT SERVICE COVERAGE (L22/L27**				1.23 x	1.24 x	1.26 x	1.28 x	1.30 x	1.30 x	1.30 x	1.13 x
	Subordinate Debt Service											
29	Outstanding General Obligation Bonds				0	0	0	0	0	0	0	0
30	Pennvest Subordinate Bonds				0	0	0	0	0	0	0	0
31	Total Subordinate Debt Service				0	0	0	0	0	0	0	0
32	Total Debt Service on Bonds				(207,548)	(229,760)	(217,549)	(233,491)	(215,227)	(223,077)	(242,102)	(251,302)
33	**CAPITAL ACCOUNT DEPOSIT**				(20,697)	(21,215)	(21,745)	(22,289)	(22,846)	(23,417)	(24,003)	(24,603)
34	TOTAL COVERAGE (L22/(L32+L33))				1.11 x	1.13 x	1.14 x	1.16 x	1.17 x	1.17 x	1.18 x	1.03 x

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	RESIDUAL FUND								
35	Beginning of Year Balance	31,189	19,306	22,327	27,071	34,962	44,292	51,342	56,781
36	Interest Income	91	75	89	111	142	172	194	210
	Plus:								
37	End of Year Revenue Fund Balance	27,125	34,047	34,955	43,179	41,888	43,578	48,745	50,985
38	Deposit for Transfer to City General Fund (b)	849	876	870	877	854	848	897	951
	Less:								
39	Transfer to Construction Fund	(39,100)	(31,100)	(30,300)	(35,400)	(32,700)	(36,700)	(43,500)	(48,100)
40	Transfer to City General Fund	(849)	(876)	(870)	(877)	(854)	(848)	(897)	(951)
41	Transfer to Debt Service Reserve Fund	0	0	0	0	0	0	0	0
42	End of Year Balance	19,306	22,327	27,071	34,962	44,292	51,342	56,781	59,876

(a) Includes other operating and nonoperating income, including interest income on funds and accounts transferable to the Revenue Fund.

(b) Transfer of interest earnings from the Bond Reserve Account to the Residual Fund as shown in Line 38 to satisfy the requirements for the Transfer to the City General Fund.

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	RATE STABILIZATION FUND								
1	Beginning of Year Balance	187,433	210,733	181,433	174,133	150,233	175,233	178,033	167,033
2	Deposit From/(To) Revenue Fund	23,300	(29,300)	(7,300)	(23,900)	25,000	2,800	(11,000)	(11,100)
3	End of Year Balance	210,733	181,433	174,133	150,233	175,233	178,033	167,033	155,933

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

		0.009222							
		5,927	3,525	6,062	8,948	12,217	15,900	17,191	13,053

TABLE VI-2

PROJECTED REVENUE
UNDER RATES EFFECTIVE JULY 1, 2014
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Operating Revenue								
	Water Operations								
1	Metered Sales to General Customers	6,003	6,746	8,739	10,731	12,956	15,418	16,532	13,786
2	Municipal Service	71	(421)	(421)	(421)	(421)	(421)	(421)	(421)
3	Private Fire Protection	469	1,265	1,265	1,265	1,265	1,265	1,265	1,265
4	Public Fire Protection	0	0	0	0	0	0	0	0
5	Contract Service	(6)	(70)	(70)	(70)	(70)	(70)	(70)	(70)
6	Subtotal Water Service Revenue	6,537	7,519	9,512	11,505	13,729	16,191	17,306	14,560
7	Other Operating Revenue	3,276	1,120	(88)	(5,915)	(6,816)	(6,514)	(6,810)	(7,958)
8	Total Water Operations	9,813	8,639	9,424	5,589	6,913	9,677	10,496	6,602
	Wastewater Operations								
9	Metered Sales to General Customers	4,683	4,272	5,624	7,148	8,870	10,774	11,644	9,610
10	Municipal Service	(4,788)	(3,634)	(3,634)	(3,634)	(3,634)	(3,634)	(3,634)	(3,634)
11	Contract Service	249	(2,946)	(2,946)	(2,946)	(2,946)	(2,946)	(2,946)	(2,946)
12	Excess Strength Service Charge	(2,937)	(2,344)	(2,344)	(2,344)	(2,344)	(2,344)	(2,344)	(2,344)
13	Stormwater	2,183	658	(150)	(781)	(1,458)	(2,142)	(2,834)	(2,193)
14	Subtotal Wastewater Service Revenue	(610)	(3,994)	(3,450)	(2,557)	(1,513)	(292)	(114)	(1,507)
15	Other Operating Revenue	(1,438)	(3,348)	(5,336)	(12,328)	(12,584)	(13,121)	(13,395)	(14,815)
16	Total Wastewater Operations	(2,048)	(7,342)	(8,786)	(14,885)	(14,096)	(13,412)	(13,509)	(16,322)
17	Total Operating Revenue	7,765	1,297	639	(9,295)	(7,183)	(3,736)	(3,013)	(9,720)
	Nonoperating Income								
18	Interest Income - Capital Funds (a)	(1,158)	(1,049)	(724)	(753)	(751)	(770)	(809)	(869)
19	Interest Income - Operating Funds (b)	(122)	(146)	37	210	175	204	179	108
20	Total Nonoperating Income	(1,280)	(1,195)	(687)	(543)	(576)	(565)	(630)	(762)
21	Total Water Department Revenue	6,485	102	(48)	(9,838)	(7,759)	(4,301)	(3,643)	(10,482)

TABLE VI-3

CAPITAL IMPROVEMENT PROGRAM
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	WATERWORKS IMPROVEMENTS								
1	Engineering and Administration (a)	0	0	555	1,132	1,732	1,798	5,036	5,073
2	Water Treatment Plant Improvements	(2,200)	(5,280)	(5,280)	(7,480)	(7,480)	(7,480)	(5,280)	(3,080)
3	Distribution System Rehabilitation	0	0	0	20,000	20,000	20,000	0	0
	Large Meter Replacement	0	0	0	0	0	0	0	0
4	Vehicles	0	0	1,000	1,000	1,000	1,000	1,000	1,000
	Other	0	0	0	0	0	0	0	0
5	Subtotal	(2,200)	(5,280)	(3,725)	14,652	15,252	15,318	756	2,993
	WASTEWATER COLLECTION AND TREATMENT								
6	Engineering and Administration	2,543	0	651	1,328	2,033	3,326	1,501	5,955
7	Water Pollution Control Plant Improvements	(3,182)	5,280	5,280	2,480	2,480	2,480	5,280	8,080
8	Storm Flood Relief	(25,000)	(39,300)	(51,300)	(56,300)	(56,300)	(56,300)	(56,600)	(37,000)
9	Reconstruction of Old Sewers	4,300	4,300	4,300	4,300	4,300	4,300	14,600	(50,000)
10	Vehicles	3,000	0	1,000	1,000	1,000	1,000	1,000	1,000
11	Subtotal	(18,339)	(29,720)	(40,069)	(47,192)	(46,487)	(45,194)	(34,219)	(71,965)
12	Total Improvements (Line 5 + Line 11)	(149,805)	(173,049)	(181,497)	(168,122)	(167,524)	(166,901)	(184,353)	(194,649)
13	Inflation Adjustment (b)	184,703	173,049	173,021	169,499	168,956	168,391	185,888	151,622
14	Inflated Total	34,898	0	(8,476)	1,377	1,432	1,490	1,535	(43,027)

TABLE VI-4

ANNUAL CASH CAPITAL IMPROVEMENT FINANCING REQUIREMENT
(in thousands of dollars)

Fiscal Year Ending June 30	Total Capital Improvements	Net Cash Flow Adjustment	Net Cash Financing Required
2015	0	(27,592)	(27,592)
2016	0	(9,447)	(9,447)
2017	(3,342)	(20,658)	(24,000)
2018	11,568	(35,569)	(24,001)
2019	11,672	(41,673)	(30,001)
2020	11,771	(11,772)	(1)
2021	5,952	(31,559)	(25,607)

TABLE VI-5

PROJECTED FLOW OF FUNDS - CONSTRUCTION FUND
WATER DEPARTMENT
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Disposition of Bond Proceeds									
1	Proceeds From Sale of Bonds	8,638	0	0	0	0	0	0	(5,000)	
	Transfers:									
2	Debt Reserve Account (a)	(7,948)	0	2,273	(7,219)	0	493	(1,644)	(895)	
3	Cost of Bond Issuance (b)	(2,914)	0	(2,663)	(2,712)	(2,761)	(2,663)	(2,810)	(3,033)	
4	Construction Fund (c)	19,500	0	389	9,931	2,761	2,170	4,455	(1,072)	
5	Total Issue	8,638	0	0	0	0	0	0	(5,000)	
	Construction Fund									
6	Beginning Balance	(10,488)	35,405	46,746	72,172	107,678	155,262	170,385	212,643	
7	Transfer From Bond Proceeds	19,500	0	389	9,931	2,761	2,170	4,455	(1,072)	Series 2015 Premium
8	PENNVEST Loan Proceeds	0	0	0	0	0	0	0	0	
9	Capital Account Deposit	0	0	0	0	0	0	0	0	
10	Transfer from Residual Account	(2,400)	700	100	500	13,600	11,600	10,700	8,400	
11	Total Available	6,612	36,105	47,236	82,603	124,039	169,032	185,540	219,971	
12	Net Cash Financing Required	27,592	9,447	24,000	24,001	30,001	1	25,607	(7,044)	Actual 2015 Spending less than projected
13	Ending Balance	34,204	45,552	71,236	106,603	154,040	169,032	211,147	212,927	
	Debt Service Reserve									
14	Beginning Balance	(16,168)	(24,116)	(24,116)	(18,607)	(25,826)	(25,319)	(24,826)	(26,470)	
15	Transfer From Bond Proceeds	(7,948)	0	2,273	(7,219)	0	493	(1,644)	(895)	
16	Transfer From Residual Fund	0	0	0	0	0	0	0	0	
17	Transfer to Revenue Fund	0	0	3,236	0	507	0	0	0	
18	Ending Balance	(24,116)	(24,116)	(18,607)	(25,826)	(25,319)	(24,826)	(26,470)	(27,365)	
	Interest Income									
19	Construction Fund (d)	43	146	212	322	471	584	687	766	
20	Debt Reserve Account (e)	(73)	(87)	(77)	(80)	(92)	(90)	(92)	(97)	
21	Total Interest Income	(30)	59	135	242	379	493	594	669	

TABLE VI-6

PROJECTED OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022	
	Water Operations									
1	Personal Services	2,865	1,206	1,242	1,280	2,412	2,420	2,345	2,350	
2	Purchase of Services	323	65	(1,066)	(1,584)	(470)	(910)	(1,462)	(1,858)	Includes power (220)
3	Materials and Supplies	(1,251)	85	(487)	(1,109)	(1,523)	(2,247)	(3,039)	(3,894)	Includes Chemicals (307)
4	Equipment	234	234	233	232	306	307	308	308	
5	Contributions, Indemnities, Refunds and Taxes	(688)	(487)	(525)	(565)	(582)	(600)	(617)	(636)	
6	Interdepartmental Charges	(2,377)	(368)	(1,002)	(1,676)	(18)	(868)	(1,310)	(1,678)	Total Inter Departmental O&M for water
7	Subtotal Operating Expenses	(893)	736	(1,604)	(3,422)	126	(1,898)	(3,775)	(5,408)	
8	Less: Liquidated Encumbrances	4,116	(3,219)	(2,735)	(2,657)	(3,263)	(3,238)	(3,193)	(3,173)	
9	Operating Expenses - Water	3,223	(2,484)	(4,339)	(6,080)	(3,138)	(5,136)	(6,969)	(8,581)	
	Wastewater Operations									
10	Personal Services	5,193	1,937	1,995	2,055	3,976	4,096	4,076	4,139	
11	Purchase of Services	2,737	225	(6,922)	(8,155)	(2,922)	(3,674)	(4,459)	(5,073)	Includes power
12	Materials and Supplies	(1,451)	(576)	(790)	(1,018)	(736)	(876)	(1,133)	(1,405)	Includes Chemicals
13	Equipment	(67)	(18)	(28)	(39)	4	(6)	(16)	(27)	
14	Contributions, Indemnities, Refunds and Taxes	(1,223)	(866)	(2,734)	(4,505)	(1,035)	(1,066)	(1,098)	(1,131)	
15	Interdepartmental Charges	(3,225)	(975)	(1,899)	(2,854)	224	(922)	(1,497)	(1,996)	Total Inter Departmental O&M for Wastewater
16	Subtotal Operating Expenses	1,965	(273)	(10,379)	(14,516)	(488)	(2,448)	(4,126)	(5,493)	
17	Less: Liquidated Encumbrances	6,173	(4,829)	(4,102)	(3,986)	(4,895)	(4,857)	(4,790)	(4,759)	
18	Operating Expenses - Wastewater	8,138	(5,102)	(14,480)	(18,502)	(5,383)	(7,305)	(8,916)	(10,252)	
19	Total Operating Expenses	11,361	(7,586)	(18,819)	(24,582)	(8,521)	(12,441)	(15,885)	(18,834)	
	Total									
	Personal Services	8,058	3,143	3,238	3,335	6,389	6,516	6,421	6,488	
	Purchase of Services	3,060	290	(7,988)	(9,739)	(3,392)	(4,584)	(5,921)	(6,931)	
	Materials and Supplies	(2,702)	(491)	(1,277)	(2,127)	(2,259)	(3,123)	(4,171)	(5,300)	
	Equipment	168	216	205	193	310	302	292	282	
	Contributions, Indemnities, Refunds and Taxes	(1,911)	(1,353)	(3,259)	(5,070)	(1,617)	(1,665)	(1,715)	(1,767)	
	Interdepartmental Charges	(5,602)	(1,343)	(2,901)	(4,530)	207	(1,790)	(2,807)	(3,674)	
	Subtotal Operating Expenses	1,072	463	(11,983)	(17,938)	(363)	(4,345)	(7,901)	(10,901)	
	Less: Liquidated Encumbrances	10,289	(8,049)	(6,836)	(6,643)	(8,158)	(8,096)	(7,983)	(7,932)	
	Operating Expenses - Wastewater	11,361	(7,586)	(18,819)	(24,582)	(8,521)	(12,441)	(15,885)	(18,834)	

TABLE VI-7

FUTURE DEBT SERVICE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	Revenue Bonds								
1	Existing (a)	(2,278)	(3,815)	(1,538)	(1,420)	(1,686)	(2,098)	(2,097)	(2,095)
	Proposed								
2	Fiscal Year 2015 (b)	0	(5,231)	(1,209)	(1,209)	(6,697)	(6,697)	(6,697)	(6,697)
3	Fiscal Year 2016		0	0	0	0	0	0	0
4	Fiscal Year 2017 (c)			(7,088)	(675)	(786)	(786)	(786)	(786)
5	Fiscal Year 2018 (c)				(7,219)	(782)	(782)	(782)	(782)
6	Fiscal Year 2019 (d)					(9,368)	(522)	(522)	(522)
7	Fiscal Year 2020 (d)						(9,034)	(504)	(504)
8	Fiscal Year 2021 (e)							(9,805)	(1,070)
9	Total Proposed	0	(5,231)	(8,297)	(9,103)	(17,633)	(17,821)	(19,096)	(20,854)
10	Total Revenue Bonds	(2,278)	(9,046)	(9,835)	(10,522)	(19,319)	(19,919)	(21,193)	(22,949)
	Pennvest Loans								
11	Pennvest Parity Loans	0	0	0	18	0	0	0	0
12	Total Debt Service	(2,278)	(9,046)	(9,835)	(10,504)	(19,319)	(19,919)	(21,193)	(22,949)

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description			Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022									
	OPERATING REVENUE																			
1	Water Service - Existing Rates			6,537	7,519	9,512	11,505	13,729	16,191	17,306	17,921	6,473	6,702	8,063	9,534	11,031	12,528	12,678	12,687	
2	Wastewater Service - Existing Rates			(610)	(3,994)	(3,450)	(2,557)	(1,513)	(292)	(114)	853	(6,370)	(7,868)	(7,579)	(6,897)	(6,245)	(5,608)	(6,022)	(5,487)	
3	Total Service Revenue - Existing Rates			5,927	3,525	6,062	8,948	12,217	15,900	17,191	18,774									
	Additional Service Revenue Required																			
	Year	Percent Increase	Months Effective																	
4	FY 2016	0.00%	0		0	0	0	0	0	0	0									
5	FY 2017	0.42%	0			3,034	3,170	3,326	3,504	3,562	3,642									
6	FY 2018	0.62%	0				4,825	4,980	5,158	5,216	5,296									
7	FY 2019	0.97%	0					7,768	7,906	7,946	8,012									
8	FY 2020	0.73%	0						6,757	6,802	6,875									
9	FY 2021	1.56%	0							13,921	13,998									
10	Total Additional Service Revenue Required			0	0	3,034	7,995	16,074	23,325	37,447	84,065									
11	Total Water & Wastewater Service Revenue			5,927	3,525	9,096	16,943	28,290	39,225	54,638	102,839									
	Other Income (a)																			
12	Other Operating Revenue			1,838	(2,228)	(5,424)	(18,243)	(19,400)	(19,635)	(20,205)	(21,180)	FY 2017 and FY 2019 - previously included a DSR release								
13	Construction Fund Interest Income			(1,158)	(1,049)	(724)	(753)	(751)	(770)	(809)	(869)									
14	Debt Reserve Fund Interest Income			0	0	0	0	0	0	0	0									
15	Operating Fund Interest Income			(2)	32	58	61	66	94	129	167									
16	Rate Stabilization Interest Income			(13)	(30)	(65)	(114)	(164)	(192)	(179)	(119)									
17	Total Revenues			6,592	250	2,942	(2,107)	8,042	18,722	33,575	80,838									
	OPERATING EXPENSES																			
18	Water & Wastewater Operations			(16,963)	6,243	15,918	20,052	8,728	10,651	13,077	15,160									
19	Direct Interdepartmental Charges			5,602	1,343	2,901	4,530	(207)	1,790	2,807	3,674									
20	Total Operating Expenses			(11,361)	7,586	18,819	24,582	8,521	12,441	15,885	18,834	FY 2015 - added $2.0 million and reduced liquidated encumbramces								
	NET REVENUES																			
21	Transfer From/(To) Rate Stabilization Fund			1,890	7,600	12,000	15,100	12,700	2,700	(9,800)	(23,500)									
22	NET REVENUES (L 17 + L 20 + L 21)			(2,879)	15,436	33,761	37,575	29,263	33,863	39,659	87,271									
	DEBT SERVICE																			
	Senior Debt Service																			
	Revenue Bonds																			
23	Outstanding Bonds			2,278	3,815	1,538	1,420	1,686	2,098	2,097	2,095	savings from refunding								
24	Pennvest Parity Bonds			(0)	(0)	(0)	(18)	(0)	(0)	(0)	(0)									
26	Projected Future Bonds			0	5,231	8,297	9,103	17,633	17,821	19,096	20,854	Series 2015 Bonds Deferred principal to 2019								
27	Total Senior Debt Service			2,278	9,046	9,835	10,504	19,319	19,919	21,193	22,949									
28	**TOTAL SENIOR DEBT SERVICE COVERAGE (L22/L27**			0.00	0.12	0.22	0.22	0.27	0.29	0.30	0.49									
	Subordinate Debt Service																			
29	Outstanding General Obligation Bonds			0	0	0	0	0	0	0	0									
30	Pennvest Subordinate Bonds			0	0	0	0	0	0	0	0									
31	Total Subordinate Debt Service			0	0	0	0	0	0	0	0									
32	Total Debt Service on Bonds			2,278	9,046	9,835	10,504	19,319	19,919	21,193	22,949									
33	**CAPITAL ACCOUNT DEPOSIT**			0	0	0	0	0	0	0	0									
34	TOTAL COVERAGE (L22/(L32+L33))			0.00	0.11	0.20	0.21	0.24	0.25	0.26	0.44									

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	RESIDUAL FUND								
35	Beginning of Year Balance	(5,914)	(4,134)	19,677	63,322	111,214	146,660	189,445	240,370
36	Interest Income	(18)	28	149	314	463	604	772	973
	Plus:								
37	End of Year Revenue Fund Balance	(601)	24,483	43,596	48,079	48,582	53,782	60,852	68,119
38	Deposit for Transfer to City General Fund (b)	(73)	(87)	(77)	(80)	(92)	(90)	(92)	(97)
	Less:								
39	Transfer to Construction Fund	2,400	(700)	(100)	(500)	(13,600)	(11,600)	(10,700)	(8,400)
40	Transfer to City General Fund	73	87	77	80	92	90	92	97
41	Transfer to Debt Service Reserve Fund	0	0	0	0	0	0	0	0
42	End of Year Balance	(4,134)	19,677	63,322	111,214	146,660	189,445	240,370	301,062

TABLE VI-8

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

Line No.	Description	Fiscal Year Ending June 30, 2015	2016	2017	2018	2019	2020	2021	2022
	RATE STABILIZATION FUND								
1	Beginning of Year Balance	(2,637)	(4,527)	(12,127)	(24,127)	(39,227)	(51,927)	(54,627)	(44,827)
2	Deposit From/(To) Revenue Fund	(1,890)	(7,600)	(12,000)	(15,100)	(12,700)	(2,700)	9,800	23,500
3	End of Year Balance	(4,527)	(12,127)	(24,127)	(39,227)	(51,927)	(54,627)	(44,827)	(21,327)

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

Description	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Bill Frequency
Links to Water COS																		
Water - Bills																		
Senior Citizens																		
5/8" Meter	230,760	234,216	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	242,256	12.0
> 5/8" Meter	60	60	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	12.0
General Service (Residential)																		
5/8" Meter	4,929,000	4,926,636	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	4,847,904	12.0
> 5/8" Meter	43,044	51,156	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	57,924	12.0
General Service (Commercial)																		
5/8" Meter	328,572	335,736	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	334,464	12.0
> 5/8" Meter	71,232	76,272	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	78,840	12.0
General Service (Industrial)																		
5/8" Meter	6,444	6,240	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	6,564	12.0
> 5/8" Meter	6,108	6,816	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	6,396	12.0
General Service (Public Utilities)																		
5/8" Meter	408	444	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	12.0
> 5/8" Meter	888	984	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	12.0
PHA	72,276	71,772	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	70,752	12.0
Charities & Schools	32,412	32,772	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	31,284	12.0
Hospital/University	4,908	5,124	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	6,024	12.0
Hand Bill	3,168	3,264	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	12.0
City Leased Properties	864	828	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	12.0
Scheduled	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12.0
City	11,220	11,052	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	11,664	12.0
Fire Service (Includes Unmetered Private Fire)	66,804	78,336	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	89,976	12.0
Public Fire (Hydrants)																		
Water - Billed Volume																		
Senior Citizens																		
5/8" Meter	110,057	109,915	115,925	115,072	115,072	115,072	115,072	115,072	115,072	115,072	113,255	111,640	110,025	108,410	106,795	105,179	103,564	
> 5/8" Meter	73	48	28	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
General Service (Residential)												s						
5/8" Meter	3,021,077	2,901,905	2,864,109	2,868,343	2,868,343	2,868,343	2,872,383	2,880,463	2,888,543	2,888,543	2,844,104	2,799,665	2,759,265	2,718,866	2,678,467	2,638,068	2,597,669	
> 5/8" Meter	379,139	366,322	356,604	386,160	386,160	386,160	387,013	388,453	389,673	390,094	390,094	390,109	390,109	390,109	390,109	390,109	390,109	
General Service (Commercial)																		
5/8" Meter	314,585	310,005	320,503	314,675	314,396	314,117	314,675	315,790	316,626	316,905	312,166	307,428	302,690	298,230	293,771	289,311	284,852	
> 5/8" Meter	927,296	914,581	975,555	959,220	959,220	959,220	961,340	964,916	967,946	968,991	968,991	969,030	969,030	969,030	969,030	969,030	969,030	
General Service (Industrial)																		
5/8" Meter	5,761	5,758	6,221	6,148	6,143	6,137	6,148	6,170	6,187	6,192	6,099	6,006	5,919	5,831	5,744	5,656	5,568	
> 5/8" Meter	85,902	90,318	84,463	85,280	85,280	85,280	85,468	85,786	86,056	86,149	86,149	86,152	86,152	86,152	86,152	86,152	86,152	
General Service (Public Utilities)																		
5/8" Meter	462	424	394	449	449	449	449	449	449	449	442	436	429	422	416	410	404	
> 5/8" Meter	8,472	8,085	10,318	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	9,255	
PHA	166,971	165,984	178,327	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	170,984	
Charities & Schools	216,268	217,250	192,057	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	199,696	
Hospital/University	261,941	262,373	272,764	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	291,160	
Hand Bill	566,551	562,496	573,950	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	567,000	
City Leased Properties	6,813	8,095	8,984	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	8,610	
Scheduled	16	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
City	233,283	219,674	243,041	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	237,460	
Fire Service	15,986	9,277	11,569	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	11,081	
Public Fire (Hydrants)																		
Cost of Service to be Derived From Rates																		
Operating Expenses			163,803,813	160,137,248	184,452,847	192,812,614	206,759,967	222,241,875	230,407,428	242,294,855	249,343,863	262,394,358	269,555,018	281,499,070	292,509,767	311,013,334	324,924,316	
Capital Costs			94,208,681	98,532,399	87,475,211	92,725,991	90,469,611	87,439,079	96,897,784	103,161,273	112,897,714	117,141,951	124,451,086	127,547,722	132,140,185	136,987,457	146,355,395	
Wholesale Customer Receipts under Existing Rates																		
Bucks County			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aqua PA			3,755,632	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	3,692,242	

Bill Distribution by Meter Size

	5/8	3/4	1	1 1/4	1 1/2	2	3	4	6	8	10	12	14
Senior Citizens	99.97%	0.00%	0.02%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
General Service (Residential)	98.97%	0.01%	0.57%	0.00%	0.15%	0.22%	0.04%	0.02%	0.02%	0.01%	0.00%	0.00%	0.00%
General Service (Commercial)	81.49%	0.04%	7.46%	0.00%	3.09%	4.32%	1.47%	1.07%	0.74%	0.27%	0.03%	0.01%	0.00%
General Service (Industrial)	49.36%	0.00%	23.44%	0.00%	7.81%	10.57%	4.60%	1.75%	1.65%	0.64%	0.18%	0.00%	0.00%
General Service (Public Utilities)	31.09%	0.00%	23.53%	0.00%	8.40%	16.81%	10.92%	3.36%	4.20%	0.84%	0.00%	0.84%	0.00%
Housing Authority	96.09%	0.00%	1.10%	0.00%	0.13%	1.05%	0.62%	0.45%	0.40%	0.15%	0.00%	0.00%	0.00%
Charities & Schools	46.98%	0.00%	12.41%	0.00%	6.11%	9.52%	9.12%	11.90%	3.15%	0.73%	0.07%	0.00%	0.00%
Hospital/University	11.01%	0.00%	6.56%	0.00%	3.04%	12.65%	21.08%	23.65%	18.97%	2.34%	0.70%	0.00%	0.00%
Hand Billied	4.41%	0.00%	5.51%	0.00%	4.04%	13.60%	26.10%	28.68%	12.13%	4.41%	1.10%	0.00%	0.00%

City Leased			23.61%	0.00%	11.11%	0.00%	8.33%	18.06%	9.72%	18.06%	6.94%	2.78%	1.39%	0.00%	0.00%		
Scheduled (Flat Rate)			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
City			22.80%	0.54%	12.81%	0.00%	7.60%	25.19%	13.57%	7.93%	6.19%	1.95%	1.41%	0.00%	0.00%		
Fire Service			2.25%	0.00%	1.14%	0.00%	0.54%	14.67%	4.62%	24.42%	38.38%	11.94%	1.79%	0.26%	0.00%		
Fire Service (Unmetered)			0.89%	0.28%	8.92%	0.00%	1.89%	21.81%	3.48%	19.48%	31.35%	10.22%	1.43%	0.25%	0.00%		
Total Private Fire Service			1.37%	0.18%	6.20%	0.00%	1.42%	19.32%	3.88%	21.21%	33.81%	10.82%	1.56%	0.25%	0.00%		
Wholesale Customer Usage																	
Bucks County Annual Usage (mcf)	535,749	535,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bucks County Annual Usage (mgd)	10.98	10.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bucks County Peak Usage (mgd)	21.00	21.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aqua PA Annual Usage (mcf)	161,918	147,909	129,410	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000
Aqua PA Annual Usage (mgd)	3.32	3.03	2.65	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Aqua PA Peak Usage (mgd)																	
O&M Allocation - Class 100 - WATER																	
DIRECT WATER																	
Baxter Treatment Plant			2,896,162	2,862,097	2,947,960	3,036,399	3,158,249	3,253,885	3,353,233	3,455,463	3,559,985	3,667,646	3,778,471	3,892,663	4,010,243	4,131,296	4,256,014
Queen Lane Treatment Plant			2,826,405	2,793,161	2,876,956	2,963,264	3,082,180	3,175,512	3,272,468	3,372,235	3,474,240	3,579,308	3,687,463	3,798,904	3,913,652	4,031,790	4,153,504
Belmont Treatment Plant			2,839,018	2,805,626	2,889,794	2,976,488	3,095,934	3,189,683	3,287,071	3,387,284	3,489,744	3,595,281	3,703,919	3,815,857	3,931,117	4,049,782	4,172,040
Conveyance Headquarters			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control			1,628,217	1,609,066	1,657,338	1,707,058	1,775,562	1,829,328	1,885,182	1,942,655	2,001,417	2,061,944	2,124,250	2,188,448	2,254,551	2,322,607	2,392,723
Distribution			13,645,148	13,484,654	13,889,193	14,305,869	14,879,961	15,330,544	15,798,622	16,280,270	16,772,724	17,279,965	17,802,111	18,340,121	18,894,093	19,464,433	20,052,036
Pumping			2,400,718	2,372,480	2,443,655	2,516,964	2,617,970	2,697,245	2,779,598	2,864,339	2,950,981	3,040,225	3,132,091	3,226,748	3,324,213	3,424,558	3,527,941
Emergency & Support Services			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			26,235,668	25,927,084	26,704,896	27,506,043	28,609,855	29,476,195	30,376,174	31,302,245	32,249,091	33,224,369	34,228,304	35,262,741	36,327,870	37,424,467	38,554,259
ALLOCATED COSTS																	
Treatment Headquarters			204,489	202,084	208,147	214,391	222,995	229,747	236,762	243,980	251,360	258,962	266,787	274,849	283,151	291,699	300,505
Machine Shops			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.			2,248,118	2,221,676	2,288,326	2,356,976	2,451,561	2,525,797	2,602,916	2,682,270	2,763,405	2,846,976	2,933,002	3,021,642	3,112,913	3,206,879	3,303,691
Mtls. Management			822,600	812,925	837,312	862,432	897,041	924,204	952,423	981,459	1,011,147	1,041,726	1,073,203	1,105,637	1,139,034	1,173,417	1,208,840
Customer Service			670,442	662,557	682,433	702,906	731,114	753,253	776,252	799,917	824,113	849,036	874,691	901,126	928,345	956,368	985,239
Warranty Program			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop			1,184,543	1,170,610	1,205,728	1,241,900	1,266,523	1,171,195	1,040,749	989,716	1,023,206	1,057,200	1,093,544	1,130,478	1,167,959	1,208,713	1,248,742
Automotive Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs			5,130,193	5,069,851	5,221,947	5,378,605	5,569,233	5,604,197	5,609,101	5,697,341	5,873,230	6,053,899	6,241,228	6,433,733	6,631,402	6,837,076	7,047,017
Total Class			31,365,861	30,996,935	31,926,843	32,884,648	34,179,088	35,080,392	35,985,275	36,999,586	38,122,321	39,278,268	40,469,532	41,696,473	42,959,272	44,261,543	45,601,276
O&M Allocation - Power - WATER																	
BEFORE LIQUIDATED ENCUMBRANCES																	
DIRECT WATER																	
Baxter Treatment Plant			91,702	100,893	100,893	100,893	103,415	106,001	108,651	111,367	114,151	117,005	119,930	122,928	126,002	129,152	132,380
Queen Lane Treatment Plant			58,689	64,572	64,572	64,572	66,186	67,840	69,536	71,275	73,057	74,883	76,755	78,674	80,641	82,657	84,723
Belmont Treatment Plant			47,685	52,464	52,464	52,464	53,776	55,120	56,498	57,911	59,359	60,843	62,364	63,923	65,521	67,159	68,838
Conveyance Headquarters			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control			953,701	1,049,288	1,049,288	1,049,288	1,075,520	1,102,408	1,129,968	1,158,217	1,187,173	1,216,852	1,247,273	1,278,455	1,310,416	1,343,177	1,376,756
Distribution			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pumping			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency & Support Services			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			1,151,777	1,267,217	1,267,217	1,267,217	1,298,897	1,331,369	1,364,654	1,398,770	1,433,739	1,469,583	1,506,322	1,543,980	1,582,580	1,622,144	1,662,698
ALLOCATED COSTS																	
Treatment Headquarters			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machine Shops			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.			8,781,382	9,661,517	9,661,517	9,661,517	9,903,055	10,150,632	10,404,398	10,664,508	10,931,120	11,204,398	11,484,508	11,771,621	12,065,911	12,367,559	12,676,748
Mtls. Management			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Service			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Automotive Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs			8,781,382	9,661,517	9,661,517	9,661,517	9,903,055	10,150,632	10,404,398	10,664,508	10,931,120	11,204,398	11,484,508	11,771,621	12,065,911	12,367,559	12,676,748
Total Class			9,933,159	10,928,734	10,928,734	10,928,734	11,201,952	11,482,001	11,769,051	12,063,278	12,364,859	12,673,981	12,990,830	13,315,601	13,648,491	13,989,704	14,339,446
AFTER LIQUIDATED ENCUMBRANCES																	
DIRECT WATER																	
Baxter Treatment Plant			77,937	80,175	80,217	80,271	81,895	83,954	86,058	88,225	90,462	92,755	95,104	97,511	99,977	102,505	105,095
Queen Lane Treatment Plant			49,880	51,312	51,339	51,373	52,413	53,731	55,077	56,464	57,896	59,363	60,866	62,407	63,985	65,603	67,261
Belmont Treatment Plant			40,527	41,691	41,713	41,741	42,586	43,656	44,750	45,877	47,040	48,232	49,454	50,706	51,988	53,303	54,649
Conveyance Headquarters			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control			810,548	833,816	834,258	834,817	851,711	873,122	894,998	917,544	940,809	964,649	989,078	1,014,113	1,039,764	1,066,051	1,092,988
Distribution			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pumping			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency & Support Services			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			978,892	1,006,994	1,007,527	1,008,203	1,028,605	1,054,463	1,080,882	1,108,111	1,136,208	1,164,999	1,194,502	1,224,736	1,255,715	1,287,462	1,319,993

ALLOCATED COSTS															
Treatment Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	7,463,272	7,677,525	7,681,592	7,686,742	7,842,294	8,039,441	8,240,867	8,448,465	8,662,679	8,882,189	9,107,129	9,337,636	9,573,825	9,815,873	10,063,894
Mtls. Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	7,463,272	7,677,525	7,681,592	7,686,742	7,842,294	8,039,441	8,240,867	8,448,465	8,662,679	8,882,189	9,107,129	9,337,636	9,573,825	9,815,873	10,063,894
Total Class	8,442,164	8,684,518	8,689,119	8,694,944	8,870,900	9,093,904	9,321,750	9,556,576	9,798,887	10,047,188	10,301,631	10,562,372	10,829,540	11,103,336	11,383,887
O&M Allocation - CLASS 200 Excl. POWER - WATER															
BEFORE LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	1,207,234	1,255,398	1,280,506	1,306,116	1,365,492	1,411,169	1,461,488	1,514,203	1,568,522	1,624,735	1,682,887	1,743,061	1,805,338	1,869,779	1,936,463
Queen Lane Treatment Plant	827,478	860,491	877,701	895,255	935,953	967,261	1,001,752	1,037,885	1,075,116	1,113,647	1,153,506	1,194,751	1,237,438	1,281,608	1,327,315
Belmont Treatment Plant	410,341	426,712	435,246	443,951	464,133	479,658	496,762	514,680	533,143	552,250	572,016	592,469	613,637	635,541	658,206
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	1,177,499	1,224,477	1,248,967	1,273,946	1,331,860	1,376,411	1,425,491	1,476,908	1,529,888	1,584,717	1,641,436	1,700,129	1,760,872	1,823,725	1,888,766
Distribution	973,603	1,012,446	1,032,695	1,053,349	1,101,235	1,138,071	1,178,653	1,221,166	1,264,972	1,310,307	1,357,205	1,405,734	1,455,959	1,507,929	1,561,707
Pumping	355,119	369,287	376,672	384,206	401,672	415,108	429,910	445,417	461,395	477,931	495,036	512,737	531,057	550,012	569,628
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	4,951,275	5,148,811	5,251,787	5,356,823	5,600,345	5,787,679	5,994,057	6,210,258	6,433,036	6,663,586	6,902,085	7,148,882	7,404,301	7,668,593	7,942,086
ALLOCATED COSTS															
Treatment Headquarters	111,718	116,175	118,499	120,869	126,363	130,590	135,247	140,125	145,152	150,354	155,735	161,304	167,067	173,030	179,201
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	3,006,956	3,126,922	3,189,460	3,253,250	3,401,143	3,514,912	3,640,248	3,771,549	3,906,844	4,046,859	4,191,702	4,341,584	4,496,703	4,657,210	4,823,304
Mtls. Management	95,576	99,389	101,377	103,405	108,105	111,722	115,705	119,879	124,179	128,630	133,233	137,997	142,928	148,030	153,309
Customer Service	1,573,822	1,636,612	1,669,344	1,702,731	1,780,137	1,839,683	1,905,283	1,974,005	2,044,818	2,118,101	2,193,911	2,272,358	2,353,546	2,437,555	2,524,488
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	945,143	982,850	1,002,507	1,022,558	1,002,258	787,514	451,508	280,783	294,719	309,283	324,497	341,007	357,637	375,666	394,515
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	5,733,216	5,961,948	6,081,187	6,202,811	6,418,007	6,384,421	6,247,992	6,286,341	6,515,711	6,753,227	6,999,079	7,254,251	7,517,881	7,791,490	8,074,817
Total Class	10,684,491	11,110,759	11,332,975	11,559,634	12,018,351	12,172,100	12,242,048	12,496,600	12,948,747	13,416,813	13,901,165	14,403,133	14,922,182	15,460,083	16,016,903
AFTER LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	1,026,025	997,602	1,018,093	1,039,151	1,081,342	1,117,665	1,157,581	1,199,558	1,243,020	1,287,995	1,334,517	1,382,653	1,432,465	1,484,004	1,537,331
Queen Lane Treatment Plant	703,271	683,789	697,834	712,268	741,188	766,084	793,444	822,216	852,007	882,834	914,721	947,716	981,858	1,017,185	1,053,737
Belmont Treatment Plant	348,747	339,086	346,051	353,209	367,550	379,896	393,463	407,731	422,504	437,791	453,604	469,966	486,897	504,415	522,541
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	1,000,754	973,031	993,017	1,013,556	1,054,708	1,090,136	1,129,069	1,170,012	1,212,404	1,256,271	1,301,647	1,348,598	1,397,182	1,447,452	1,499,465
Distribution	827,463	804,540	821,066	838,049	872,075	901,368	933,559	967,413	1,002,464	1,038,735	1,076,253	1,115,074	1,155,246	1,196,811	1,239,818
Pumping	301,815	293,454	299,481	305,676	318,087	328,771	340,513	352,861	365,646	378,875	392,560	406,720	421,372	436,533	452,220
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	4,208,075	4,091,502	4,175,543	4,261,910	4,434,950	4,583,921	4,747,630	4,919,791	5,098,043	5,282,500	5,473,302	5,670,728	5,875,021	6,086,402	6,305,111
ALLOCATED COSTS															
Treatment Headquarters	94,949	92,319	94,215	96,164	100,068	103,429	107,123	111,008	115,030	119,192	123,497	127,951	132,561	137,330	142,265
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	2,555,604	2,484,808	2,535,847	2,588,298	2,693,387	2,783,859	2,883,281	2,987,836	3,096,090	3,208,112	3,323,989	3,443,887	3,567,956	3,696,330	3,829,154
Mtls. Management	81,230	78,980	80,602	82,269	85,609	88,485	91,645	94,969	98,409	101,970	105,653	109,464	113,408	117,488	121,710
Customer Service	1,337,587	1,300,533	1,327,247	1,354,699	1,409,702	1,457,055	1,509,091	1,563,815	1,620,474	1,679,106	1,739,755	1,802,509	1,867,446	1,934,636	2,004,156
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	803,274	781,022	797,064	813,551	793,695	623,722	357,620	222,437	233,558	245,181	257,324	270,498	283,771	298,159	313,200
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	4,872,644	4,737,662	4,834,975	4,934,981	5,082,461	5,056,550	4,948,760	4,980,064	5,163,562	5,353,562	5,550,218	5,754,310	5,965,142	6,183,943	6,410,485
Total Class	9,080,719	8,829,165	9,010,519	9,196,891	9,517,411	9,640,471	9,696,390	9,899,855	10,261,605	10,636,061	11,023,520	11,425,038	11,840,164	12,270,345	12,715,596
O&M Allocation - CHEMICALS - WATER															
BEFORE LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	9,301,889	9,237,483	9,542,320	9,857,216	10,085,561	10,366,536	10,705,360	11,055,260	11,416,597	11,789,745	12,175,090	12,573,032	12,983,416	13,407,781	13,845,414
Queen Lane Treatment Plant	5,247,047	5,210,717	5,382,670	5,560,298	5,689,104	5,847,597	6,038,723	6,236,095	6,439,920	6,650,407	6,867,774	7,092,247	7,323,738	7,563,115	7,809,977
Belmont Treatment Plant	4,524,169	4,492,844	4,641,107	4,794,264	4,905,324	5,041,982	5,206,777	5,376,958	5,552,701	5,734,190	5,921,611	6,115,158	6,314,757	6,521,155	6,734,008
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution	33,622	33,389	34,491	35,630	36,455	37,470	38,695	39,960	41,266	42,615	44,008	45,446	46,929	48,463	50,045
Pumping	2,967	2,946	3,043	3,144	3,217	3,306	3,414	3,526	3,641	3,760	3,883	4,010	4,141	4,276	4,416
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subtotal	19,109,694	18,977,379	19,603,632	20,250,552	20,719,661	21,296,892	21,992,969	22,711,799	23,454,125	24,220,716	25,012,366	25,829,893	26,672,981	27,544,790	28,443,859
ALLOCATED COSTS															
Treatment Headquarters	989	982	1,014	1,048	1,072	1,102	1,138	1,175	1,214	1,253	1,294	1,337	1,380	1,425	1,472
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtls. Management	19,778	19,641	20,289	20,959	21,444	22,041	22,762	23,506	24,274	25,067	25,887	26,733	27,605	28,508	29,438
Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	-	-	-	-	116,334	182,393	192,338	202,738	213,612	224,981	236,864	249,285	262,942	276,525	291,439
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	20,767	20,623	21,303	22,006	138,850	205,537	216,238	227,419	239,100	251,302	264,046	277,354	291,928	306,459	322,349
Total Class	19,130,461	18,998,001	19,624,935	20,272,558	20,858,512	21,502,429	22,209,207	22,939,217	23,693,225	24,472,018	25,276,412	26,107,247	26,964,909	27,851,249	28,766,209
AFTER LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	7,905,650	7,340,565	7,586,821	7,842,440	7,986,822	8,210,440	8,479,247	8,758,020	9,047,409	9,346,217	9,654,756	9,973,342	10,301,829	10,641,475	10,991,682
Queen Lane Treatment Plant	4,459,451	4,140,696	4,279,605	4,423,795	4,505,239	4,631,378	4,783,008	4,940,259	5,103,499	5,272,052	5,446,093	5,625,803	5,811,097	6,002,686	6,200,232
Belmont Treatment Plant	3,845,079	3,570,238	3,690,010	3,814,335	3,884,559	3,993,320	4,124,060	4,259,647	4,400,397	4,545,729	4,695,793	4,850,744	5,010,511	5,175,705	5,346,035
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution	28,575	26,533	27,423	28,347	28,869	29,677	30,649	31,656	32,702	33,782	34,898	36,049	37,237	38,464	39,730
Pumping	2,521	2,341	2,420	2,501	2,547	2,619	2,704	2,793	2,886	2,981	3,079	3,181	3,286	3,394	3,506
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	16,241,276	15,080,373	15,586,278	16,111,419	16,408,036	16,867,433	17,419,667	17,992,376	18,586,893	19,200,762	19,834,619	20,489,118	21,163,960	21,861,725	22,581,184
ALLOCATED COSTS															
Treatment Headquarters	840	780	807	834	849	873	901	931	962	994	1,026	1,060	1,095	1,131	1,169
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtls. Management	16,809	15,608	16,131	16,675	16,982	17,457	18,029	18,621	19,237	19,872	20,528	21,205	21,904	22,626	23,371
Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	-	-	-	-	92,126	144,458	152,342	160,610	169,283	178,352	187,832	197,741	208,634	219,473	231,369
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	17,650	16,388	16,938	17,508	109,956	162,788	171,272	180,162	189,482	199,217	209,386	220,006	231,633	243,230	255,909
Total Class	16,258,925	15,096,761	15,603,216	16,128,928	16,517,992	17,030,221	17,590,939	18,172,538	18,776,375	19,399,979	20,044,005	20,709,125	21,395,593	22,104,955	22,837,093
O&M Allocation - CLASS 300 Excl. CHEMICALS - WATER															
BEFORE LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	1,038,899	1,130,424	1,153,033	1,176,093	1,255,220	1,288,327	1,314,354	1,341,082	1,368,309	1,396,116	1,424,442	1,453,369	1,482,978	1,513,138	1,543,930
Queen Lane Treatment Plant	730,928	795,322	811,228	827,453	883,123	906,416	924,727	943,532	962,688	982,252	1,002,181	1,022,533	1,043,365	1,064,584	1,086,248
Belmont Treatment Plant	465,575	506,591	516,723	527,057	562,518	577,354	589,018	600,996	613,197	625,659	638,353	651,316	664,585	678,101	691,901
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	105,337	114,617	116,910	119,248	127,271	130,628	133,267	135,977	138,737	141,557	144,429	147,362	150,364	153,422	156,544
Distribution	238,014	258,983	264,162	269,446	287,574	295,159	301,121	307,245	313,483	319,853	326,343	332,970	339,753	346,663	353,718
Pumping	402,855	438,346	447,113	456,055	486,738	499,576	509,668	520,032	530,590	541,373	552,357	563,574	575,056	586,751	598,691
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	2,981,608	3,244,282	3,309,168	3,375,351	3,602,444	3,697,459	3,772,155	3,848,863	3,927,004	4,006,810	4,088,106	4,171,125	4,256,101	4,342,659	4,431,033
ALLOCATED COSTS															
Treatment Headquarters	3,257	3,544	3,614	3,687	3,935	4,038	4,120	4,204	4,289	4,376	4,465	4,556	4,649	4,743	4,840
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	316,052	343,896	350,774	357,789	381,861	391,933	399,850	407,982	416,265	424,724	433,341	442,142	451,149	460,324	469,692
Mtls. Management	3,068,853	3,339,213	3,405,998	3,474,118	3,707,855	3,805,651	3,882,532	3,961,485	4,041,913	4,124,053	4,207,728	4,293,177	4,380,639	4,469,729	4,560,689
Customer Service	13,268	14,437	14,725	15,020	16,030	16,453	16,785	17,127	17,475	17,830	18,191	18,561	18,939	19,324	19,717
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	52,669	57,309	58,455	59,624	63,635	65,314	66,633	67,988	69,369	70,778	72,214	73,681	75,182	76,711	78,272
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	3,454,099	3,758,398	3,833,566	3,910,237	4,173,317	4,283,389	4,369,921	4,458,785	4,549,309	4,641,762	4,735,940	4,832,116	4,930,557	5,030,832	5,133,210
Total Class	6,435,707	7,002,680	7,142,734	7,285,588	7,775,760	7,980,848	8,142,076	8,307,648	8,476,314	8,648,571	8,824,046	9,003,241	9,186,658	9,373,490	9,564,243
AFTER LIQUIDATED ENCUMBRANCES															
DIRECT WATER															
Baxter Treatment Plant	882,958	898,292	916,743	935,704	994,017	1,020,373	1,041,042	1,062,410	1,084,356	1,106,759	1,129,572	1,152,860	1,176,685	1,200,946	1,225,705
Queen Lane Treatment Plant	621,214	632,002	644,984	658,325	699,351	717,894	732,436	747,470	762,910	778,672	794,722	811,107	827,869	844,938	862,357
Belmont Treatment Plant	395,691	402,563	410,831	419,329	445,461	457,272	466,535	476,111	485,946	495,986	506,209	516,646	527,322	538,195	549,290
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	89,526	91,081	92,951	94,874	100,787	103,459	105,555	107,721	109,946	112,218	114,531	116,892	119,308	121,768	124,278
Distribution	202,287	205,801	210,028	214,372	227,732	233,770	238,505	243,400	248,428	253,561	258,787	264,123	269,581	275,139	280,812
Pumping	342,385	348,331	355,486	362,839	385,451	395,671	403,686	411,972	420,482	429,169	438,015	447,046	456,284	465,692	475,293
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subtotal	2,534,061	2,578,069	2,631,023	2,685,443	2,852,799	2,928,439	2,987,758	3,049,084	3,112,067	3,176,363	3,241,837	3,308,673	3,377,048	3,446,677	3,517,735
ALLOCATED COSTS															
Treatment Headquarters	2,768	2,816	2,874	2,933	3,116	3,199	3,263	3,330	3,399	3,469	3,541	3,614	3,689	3,765	3,842
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	268,612	273,277	278,890	284,658	302,398	310,416	316,704	323,205	329,881	336,696	343,636	350,721	357,969	365,350	372,882
Mtls. Management	2,608,210	2,653,506	2,708,010	2,764,022	2,936,275	3,014,128	3,075,183	3,138,304	3,203,129	3,269,307	3,336,697	3,405,489	3,475,864	3,547,531	3,620,668
Customer Service	11,276	11,472	11,708	11,950	12,694	13,031	13,295	13,568	13,848	14,134	14,426	14,723	15,027	15,337	15,653
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	44,763	45,540	46,476	47,437	50,393	51,729	52,777	53,861	54,973	56,109	57,265	58,446	59,654	60,884	62,139
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	2,935,629	2,986,611	3,047,957	3,111,000	3,304,877	3,392,503	3,461,223	3,532,267	3,605,231	3,679,716	3,755,565	3,832,993	3,912,203	3,992,866	4,075,184
Total Class	5,469,690	5,564,680	5,678,980	5,796,443	6,157,676	6,320,942	6,448,981	6,581,352	6,717,298	6,856,079	6,997,403	7,141,666	7,289,251	7,439,543	7,592,919
O&M Allocation - CLASS 400 - WATER															
DIRECT WATER															
Baxter Treatment Plant	378,501	371,543	379,902	388,450	437,535	448,024	458,713	469,608	480,714	492,034	503,574	515,339	527,334	539,564	552,034
Queen Lane Treatment Plant	23,741	23,305	23,829	24,365	27,444	28,102	28,772	29,456	30,152	30,862	31,586	32,324	33,077	33,844	34,626
Belmont Treatment Plant	31,881	31,295	31,999	32,719	36,853	37,737	38,637	39,555	40,490	41,444	42,416	43,407	44,417	45,447	46,497
Conveyance Headquarters	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Load Control	20,349	19,975	20,425	20,884	23,523	24,087	24,662	25,248	25,845	26,453	27,074	27,706	28,351	29,009	29,679
Distribution	188,572	185,105	189,270	193,529	217,983	223,209	228,535	233,963	239,495	245,135	250,885	256,746	262,722	268,815	275,027
Pumping	27,811	27,300	27,914	28,542	32,149	32,919	33,705	34,505	35,321	36,153	37,001	37,865	38,747	39,645	40,562
Emergency & Support Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	670,855	658,523	673,340	688,490	775,488	794,078	813,024	832,335	852,018	872,082	892,536	913,388	934,647	956,323	978,425
ALLOCATED COSTS															
Treatment Headquarters	1,696	1,665	1,702	1,740	1,960	2,007	2,055	2,104	2,154	2,204	2,256	2,309	2,363	2,417	2,473
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	36,629	35,956	36,765	37,592	42,342	43,357	44,392	45,446	46,521	47,616	48,733	49,872	51,032	52,216	53,423
Mtls. Management	678	666	681	696	784	803	822	842	861	882	902	924	945	967	989
Customer Service	5,766	5,660	5,787	5,917	6,665	6,825	6,988	7,154	7,323	7,495	7,671	7,850	8,033	8,219	8,409
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	3,731	3,662	3,745	3,829	4,313	4,416	4,521	4,629	4,738	4,850	4,964	5,080	5,198	5,318	5,441
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	48,500	47,608	48,679	49,775	56,064	57,408	58,778	60,174	61,597	63,047	64,526	66,034	67,571	69,138	70,735
Total Class	719,355	706,131	722,019	738,264	831,552	851,486	871,802	892,508	913,615	935,130	957,062	979,422	1,002,218	1,025,461	1,049,161
TOTAL	78,269,033	79,743,241	81,678,240	83,669,428	86,865,216	89,069,256	91,219,459	93,698,838	96,519,081	99,424,780	102,419,047	105,505,117	108,683,730	111,961,530	#########
O&M Allocations - WATER															
FRINGE BENEFITS															
Human Resources and Administration	2,232,926	2,394,096	2,463,004	2,529,398	2,738,294	2,805,016	2,902,649	3,004,666	3,110,873	3,221,726	3,337,592	3,458,574	3,585,131	3,717,096	3,855,174
Finance	698,818	736,383	757,577	777,999	828,249	848,495	878,102	908,964	941,105	974,664	1,009,666	1,046,229	1,084,403	1,124,228	1,165,825
Planning & Engineering	3,767,368	4,289,996	4,413,472	4,532,443	5,245,266	5,427,339	5,616,305	5,813,525	6,018,791	6,233,659	6,457,584	6,691,696	6,936,607	7,191,869	7,458,948
Operations	26,570,953	28,562,144	29,384,234	30,176,323	31,592,540	32,248,079	33,235,260	34,341,682	35,567,625	36,848,027	38,184,842	39,582,025	41,040,660	42,564,723	44,155,893
Public Affairs	1,119,934	1,222,938	1,258,138	1,292,052	1,389,493	1,423,259	1,472,717	1,524,261	1,577,936	1,634,445	1,693,362	1,754,885	1,819,098	1,886,066	1,955,994
Information Science & Tech.	2,578,233	2,740,992	2,819,884	2,895,898	3,004,495	3,077,684	3,184,902	3,296,733	3,413,279	3,535,049	3,662,128	3,794,955	3,933,713	4,078,549	4,229,912
Dept. Of Revenue (Wrb)	2,833,259	3,045,833	3,133,499	3,217,967	3,711,580	3,801,920	3,934,270	4,072,279	4,216,378	4,366,870	4,523,852	4,687,851	4,859,081	5,038,031	5,224,920
Law Dept.	669,971	772,590	794,828	816,253	846,863	867,492	897,714	929,234	962,085	996,408	1,032,226	1,069,666	1,108,777	1,149,602	1,192,265
Other Inter Departmental	881,799	981,901	1,010,164	1,037,393	1,076,295	1,102,514	1,140,922	1,180,983	1,222,734	1,266,355	1,311,879	1,359,460	1,409,168	1,461,052	1,515,275
CHECK TOTALS															
Total Direct Expense (Excluding Liquidated Encumbrances)	96,801,475	95,002,153	97,081,872	99,753,071	104,929,143	107,833,515	110,662,949	113,814,637	117,300,346	120,894,013	124,598,672	128,418,117	132,354,535	136,414,281	140,597,894
Total Interdepartmental															
WRB Expense	4,972,180	4,986,831	5,119,614	5,256,046	5,862,535	6,043,976	6,231,061	6,423,954	6,623,164	6,828,536	7,040,257	7,258,515	7,483,843	7,716,445	7,956,195
Total Information Science & Tech.	8,930,753	10,283,351	10,518,764	10,759,778	11,107,881	11,467,441	11,838,839	12,222,467	12,618,737	13,028,069	13,450,897	13,887,672	14,338,861	14,804,944	15,286,417
Total Indemnities	1,421,084	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939
All Other Expenses (Includes Other Indrect Finges)	6,316,169	6,473,166	6,587,661	6,785,804	6,970,924	7,134,667	7,310,816	7,500,629	7,704,263	7,914,089	8,130,262	8,352,703	8,582,331	8,818,967	9,062,907
Total Finance & Admin (Including Class 801)	4,634,238	4,309,030	4,126,745	4,464,376	5,302,773	5,455,818	5,613,267	5,776,002	5,944,245	6,117,806	6,296,845	6,481,523	6,672,004	6,868,474	7,071,100
Total Human Resources and Administration	4,157,028	3,985,048	4,091,899	4,201,865	4,446,817	4,581,878	4,720,878	4,864,542	5,012,747	5,165,390	5,322,920	5,485,171	5,652,597	5,825,042	6,002,972
Total Planning & Engineering	12,085,584	12,377,256	12,675,878	12,983,065	14,248,990	14,760,920	15,229,567	15,714,935	16,217,494	16,736,902	17,272,962	17,826,613	18,398,714	18,989,153	19,599,222
Total Public Affairs	4,587,910	4,452,631	4,556,655	4,663,649	4,855,944	5,017,482	5,184,099	5,356,743	5,535,760	5,721,209	5,912,793	6,110,715	6,315,183	6,526,430	6,744,667
Class 100															
Total Planning & Engineering	4,447,215	4,655,698	4,795,369	4,939,230	5,674,707	5,904,016	6,081,020	6,263,468	6,451,099	6,644,788	6,843,957	7,049,162	7,260,887	7,478,569	7,703,107
Total Information Science & Tech.	3,043,492	2,974,649	3,063,888	3,155,805	3,250,479	3,347,993	3,448,433	3,551,886	3,658,443	3,768,196	3,881,242	3,997,679	4,117,610	4,241,138	4,368,372
Class 200															
Total Planning & Engineering	7,186,155	7,168,386	7,315,626	7,466,941	7,987,244	8,257,595	8,536,746	8,826,856	9,128,635	9,440,937	9,764,132	10,098,601	10,444,712	10,802,911	11,173,582
Total Information Science & Tech.	5,044,264	6,494,287	6,624,173	6,756,656	6,993,139	7,237,899	7,491,226	7,753,418	8,024,788	8,305,656	8,596,354	8,897,226	9,208,629	9,530,931	9,864,513
Class 300															
Total Planning & Engineering	371,186	375,944	383,666	391,602	397,577	405,584	413,718	422,071	430,661	439,420	448,351	457,456	466,740	476,205	485,856
Total Information Science & Tech.	842,997	814,415	830,703	847,317	864,263	881,549	899,180	917,163	935,506	954,217	973,301	992,767	1,012,622	1,032,875	1,053,532
Class 400															
Total Planning & Engineering	81,028	177,228	181,216	185,292	189,462	193,725	198,083	202,540	207,098	211,758	216,522	221,394	226,375	231,468	236,677

Total Information Science & Tech.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technology															
Information Science & Technology - Water															
Class 100 - CBIS	178,718	174,676	179,916	185,314	190,873	196,599	202,497	208,572	214,829	221,274	227,912	234,750	241,792	249,046	256,517
Class 100 - All Other	2,864,774	2,799,973	2,883,972	2,970,491	3,059,606	3,151,394	3,245,936	3,343,314	3,443,614	3,546,922	3,653,330	3,762,930	3,875,817	3,992,092	4,111,855
Total Class 100	3,043,492	2,974,649	3,063,888	3,155,805	3,250,479	3,347,993	3,448,433	3,551,886	3,658,443	3,768,196	3,881,242	3,997,679	4,117,610	4,241,138	4,368,372
Class 200 - CBIS	1,435,590	1,848,264	1,885,229	1,922,934	1,990,237	2,059,895	2,131,991	2,206,611	2,283,842	2,363,777	2,446,509	2,532,137	2,620,762	2,712,488	2,807,425
Class 200 - All Other	3,608,674	4,646,023	4,738,943	4,833,722	5,002,903	5,178,004	5,359,234	5,546,807	5,740,946	5,941,879	6,149,845	6,365,089	6,587,867	6,818,443	7,057,088
Class 200	5,044,264	6,494,287	6,624,173	6,756,656	6,993,139	7,237,899	7,491,226	7,753,418	8,024,788	8,305,656	8,596,354	8,897,226	9,208,629	9,530,931	9,864,513
Class 300 - CBIS	166,546	160,899	164,117	167,399	170,747	174,162	177,646	181,198	184,822	188,519	192,289	196,135	200,058	204,059	208,140
Class 300 - All Other	676,451	653,516	666,586	679,918	693,516	707,386	721,534	735,965	750,684	765,698	781,012	796,632	812,565	828,816	845,392
Class 300	842,997	814,415	830,703	847,317	864,263	881,549	899,180	917,163	935,506	954,217	973,301	992,767	1,012,622	1,032,875	1,053,532
Class 400 - CBIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Information Science & Technology - Water	8,930,753	10,283,350	10,518,764	10,759,778	11,107,882	11,467,441	11,838,838	12,222,468	12,618,737	13,028,068	13,450,896	13,887,672	14,338,861	14,804,943	15,286,418
CHECK	8,930,753	10,283,351	10,518,764	10,759,778	11,107,881	11,467,441	11,838,839	12,222,467	12,618,737	13,028,069	13,450,897	13,887,672	14,338,861	14,804,944	15,286,417
Information Science & Technology - Wastewater															
Class 100 - CBIS	179,255	175,200	180,456	185,870	191,446	197,190	203,105	209,198	215,474	221,939	228,597	235,455	242,518	249,794	257,288
Class 100 - All Other	1,831,577	1,790,147	1,843,851	1,899,167	1,956,142	2,014,826	2,075,271	2,137,529	2,201,655	2,267,704	2,335,735	2,405,807	2,477,982	2,552,321	2,628,891
Total Class 100	2,010,832	1,965,347	2,024,307	2,085,037	2,147,588	2,212,015	2,278,376	2,346,727	2,417,129	2,489,643	2,564,332	2,641,262	2,720,500	2,802,115	2,886,178
Class 200 - CBIS	1,439,901	1,853,814	1,890,891	1,928,709	1,996,213	2,066,081	2,138,394	2,213,237	2,290,701	2,370,875	2,453,856	2,539,741	2,628,632	2,720,634	2,815,856
Class 200 - All Other	2,307,185	2,970,408	3,029,816	3,090,413	3,198,577	3,310,527	3,426,396	3,546,320	3,670,441	3,798,906	3,931,868	4,069,483	4,211,915	4,359,332	4,511,909
Class 200	3,747,086	4,824,223	4,920,707	5,019,121	5,194,790	5,376,608	5,564,789	5,759,557	5,961,141	6,169,781	6,385,724	6,609,224	6,840,547	7,079,966	7,327,765
Class 300 - CBIS	167,046	161,382	164,610	167,902	171,260	174,685	178,179	181,743	185,377	189,085	192,867	196,724	200,658	204,672	208,765
Class 300 - All Other	432,485	417,821	426,178	434,701	443,396	452,263	461,309	470,535	479,946	489,544	499,335	509,322	519,509	529,899	540,497
Class 300	599,531	579,204	590,788	602,604	614,656	626,949	639,488	652,277	665,323	678,629	692,202	706,046	720,167	734,570	749,262
Class 400 - CBIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Information Science & Technology - Wastewater	6,357,449	7,368,773	7,535,802	7,706,761	7,957,034	8,215,572	8,482,653	8,758,561	9,043,593	9,338,054	9,642,258	9,956,532	10,281,214	10,616,651	10,963,205
Information Science & Technology - Stormwater															
Class 100 - CBIS	178,718	174,676	179,916	185,314	190,873	196,599	202,497	208,572	214,829	221,274	227,912	234,750	241,792	249,046	256,517
Class 100 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 100	178,718	174,676	179,916	185,314	190,873	196,599	202,497	208,572	214,829	221,274	227,912	234,750	241,792	249,046	256,517
Class 200 - CBIS	1,435,590	1,848,264	1,885,229	1,922,934	1,990,237	2,059,895	2,131,991	2,206,611	2,283,842	2,363,777	2,446,509	2,532,137	2,620,762	2,712,488	2,807,425
Class 200 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200	1,435,590	1,848,264	1,885,229	1,922,934	1,990,237	2,059,895	2,131,991	2,206,611	2,283,842	2,363,777	2,446,509	2,532,137	2,620,762	2,712,488	2,807,425
Class 300 - CBIS	166,546	160,899	164,117	167,399	170,747	174,162	177,646	181,198	184,822	188,519	192,289	196,135	200,058	204,059	208,140
Class 300 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300	166,546	160,899	164,117	167,399	170,747	174,162	177,646	181,198	184,822	188,519	192,289	196,135	200,058	204,059	208,140
Class 400 - CBIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Information Science & Technology - Stormwater	1,780,854	2,183,839	2,229,262	2,275,647	2,351,857	2,430,656	2,512,134	2,596,381	2,683,494	2,773,570	2,866,710	2,963,021	3,062,611	3,165,593	3,272,083
Information Science & Technology - Total															
Class 100 - CBIS	536,692	524,552	540,288	556,497	573,192	590,388	608,099	626,342	645,133	664,487	684,421	704,954	726,102	747,886	770,322
Class 100 - All Other	4,696,350	4,590,120	4,727,823	4,869,658	5,015,748	5,166,220	5,321,207	5,480,843	5,645,268	5,814,626	5,989,065	6,168,737	6,353,799	6,544,413	6,740,745
Total Class 100	5,233,042	5,114,671	5,268,112	5,426,155	5,588,940	5,756,608	5,929,306	6,107,185	6,290,401	6,479,113	6,673,486	6,873,691	7,079,901	7,292,299	7,511,067
Class 200 - CBIS	4,311,080	5,550,343	5,661,349	5,774,576	5,976,687	6,185,871	6,402,376	6,626,459	6,858,385	7,098,429	7,346,874	7,604,014	7,870,155	8,145,610	8,430,707
Class 200 - All Other	5,915,859	7,616,431	7,768,760	7,924,135	8,201,480	8,488,531	8,785,630	9,093,127	9,411,386	9,740,785	10,081,712	10,434,572	10,799,782	11,177,775	11,568,997
Class 200	10,226,939	13,166,774	13,430,109	13,698,711	14,178,166	14,674,402	15,188,006	15,719,586	16,269,772	16,839,214	17,428,586	18,038,587	18,669,937	19,323,385	19,999,704
Class 300 - CBIS	500,138	483,180	492,844	502,701	512,755	523,010	533,470	544,139	555,022	566,123	577,445	588,994	600,774	612,789	625,045

Class 300 - All Other	1,108,936	1,071,337	1,092,764	1,114,619	1,136,912	1,159,650	1,182,843	1,206,500	1,230,630	1,255,242	1,280,347	1,305,954	1,332,073	1,358,715	1,385,889
Class 300	1,609,074	1,554,517	1,585,608	1,617,320	1,649,666	1,682,660	1,716,313	1,750,639	1,785,652	1,821,365	1,857,792	1,894,948	1,932,847	1,971,504	2,010,934
Class 400 - CBIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Information Science & Technology	17,069,055	19,835,962	20,283,828	20,742,186	21,416,772	22,113,669	22,833,625	23,577,411	24,345,824	25,139,691	25,959,865	26,807,226	27,682,686	28,587,188	29,521,705
CHECK	17,069,055	19,835,962	20,283,828	20,742,186	21,416,772	22,113,669	22,833,625	23,577,411	24,345,824	25,139,691	25,959,865	26,807,226	27,682,686	28,587,188	29,521,705

EXISTING WATER RATES

Effective Months	6.00	12.00	12.00
Service Charge ($/bill)			
5/8"	$ 6.12	$ 6.44	$ 6.46
3/4"	7.11	7.47	7.49
1"	9.51	9.97	9.98
1 1/4"	12.51	13.08	13.10
1 1/2"	14.89	15.56	15.56
2"	22.10	23.06	23.05
3"	38.07	39.69	39.64
4"	66.21	69.05	69.00
6"	128.30	133.73	133.60
8"	200.33	208.72	208.47
10"	290.56	302.78	302.43
12"	510.02	530.87	530.00
14"	-	-	-
Volume Charge ($/Mcf)			
0 - 2 Mcf	$ 35.63	$ 37.12	$ 39.05
2 - 100 Mcf	28.64	30.20	31.54
100 - 2,000 Mcf	26.30	27.56	28.95
Over 2,000 Mcf	19.48	20.93	21.98

Total O&M Expense (Including Liquidated Encumbrances)

Total O&M Expense	169,360,674	172,809,715	177,130,179	182,316,809	192,381,852	197,822,762	204,052,405	210,588,743	217,434,270	224,101,398	231,702,882	239,640,892	247,841,548	255,973,074	265,011,014	

Liquidated Encumbrances - Water

Liduidated Encumbrances	9,364,400	13,219,617	13,390,765	13,693,783	14,695,117	15,081,414	15,464,440	15,889,412	16,356,646	16,839,167	17,337,323	17,851,863	18,383,245	18,932,022	19,498,767	
Class 200 Power	1,490,995	2,244,216	2,239,615	2,233,790	2,331,053	2,388,098	2,447,301	2,506,702	2,565,972	2,626,793	2,689,199	2,753,229	2,818,951	2,886,368	2,955,559	
Class 200 All Other	3,923,502	5,467,087	5,493,575	5,652,130	6,223,641	6,375,843	6,516,749	6,697,063	6,918,542	7,147,906	7,385,385	7,631,415	7,886,132	8,149,974	8,423,241	Includes SMIP/GARP
Class 300 Chemicals	2,871,535	3,901,240	4,021,720	4,143,631	4,340,520	4,472,208	4,618,267	4,766,679	4,916,850	5,072,039	5,232,407	5,398,122	5,569,316	5,746,294	5,929,116	
Class 300 All Other	1,078,368	1,607,074	1,635,855	1,664,232	1,799,903	1,845,266	1,882,123	1,918,968	1,955,282	1,992,429	2,030,333	2,069,096	2,108,846	2,149,386	2,190,851	
Total	9,364,400	13,219,617	13,390,765	13,693,783	14,695,117	15,081,414	15,464,440	15,889,412	16,356,646	16,839,167	17,337,323	17,851,863	18,383,245	18,932,022	19,498,767	

Transfers and Other Expenses - Water

Total Information Science & Technology																
Residual Fund Deposit	6,640,000	15,556,000	18,162,000	21,060,000	24,854,000	26,189,000	29,829,000	33,068,000	35,724,000	37,120,000	30,065,000	33,510,000	35,806,000	45,608,000	49,830,000	
Deposit (from) to RSF	2,414,000	(15,841,000)	1,314,000	(5,513,000)	1,343,000	2,669,000	637,000	2,324,000	(553,000)	4,161,000	10,288,000	10,341,000	10,344,000	10,419,000	10,339,000	
Miscellaneous	3,850,000	4,103,784	4,522,000	4,461,000	3,170,000	3,166,500	2,650,000	2,390,000	2,390,000	2,390,000	2,390,000	2,490,000	2,490,000	2,490,000	2,490,000	State & Federal Grants, L&I Permits, Procun
Other Operating Revenue	14,340,862	12,164,467	11,904,331	4,820,195	11,567,885	4,171,887	3,838,977	3,399,887	2,976,407	2,685,039	2,175,864	1,622,822	1,069,781	516,740	(256,302)	
Non-Operating Income	270,000	223,000	249,000	231,000	251,000	267,000	272,000	286,000	285,000	303,000	325,000	370,000	412,000	470,000	512,000	Interest
Total Test Year Capital Costs	94,208,681	98,532,399	87,475,211	92,725,991	90,469,611	87,439,079	96,897,784	103,161,273	112,897,714	117,141,951	124,451,086	127,547,722	132,140,185	136,987,457	146,355,395	
Total Cost of Service	258,012,494	258,669,647	271,928,058	285,538,605	297,229,578	309,680,954	327,305,212	345,456,128	362,241,577	379,536,309	394,006,103	409,046,792	424,649,952	448,000,791	471,279,710	

Lag Rate Calculations

	Rate Block 0 - 2	Rate Block 3 - 100	Rate Block 101 - 2,000	Rate Block Above 2,000
Residential Billed Usage by Block	84.70%	14.11%	1.19%	0.00%
Residential Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Senior Citizens Billed Usage by Block	92.92%	7.03%	0.05%	0.00%
Senior Citizens Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Commercial Billed Usage by Block	25.70%	59.24%	14.87%	0.19%
Commercial Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Industrial Billed Usage by Block	11.91%	43.57%	44.52%	0.00%
Industrial Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.

Public Utilities Billed Usage by Block	14.65%	77.55%	7.79%	0.00%
Industrial Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
PHA Billed Usage by Block	35.91%	38.20%	25.89%	0.00%
PHA Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Charities & Schools Billed Usage by Block	17.97%	71.53%	10.51%	0.00%
Charities & Schools Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Hospitals/Universities Billed Usage by Block	2.75%	51.92%	45.34%	0.00%
Hospitals/Universities Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Hand Billed Usage by Block	0.95%	27.65%	51.42%	19.97%
Hand Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Scheduled Billed Usage by Block	100.00%	0.00%	0.00%	0.00%
Scheduled Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
City Leased Billed Usage by Block	5.47%	39.84%	14.11%	40.58%
City Leased Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
City Billed Usage by Block	5.47%	33.76%	55.84%	4.93%
Municipal Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.
Fire Protection Private Billed Usage by Block	7.94%	33.28%	58.78%	0.00%
Fire Protection Private Bill Tab Adjustment			100.00%	We are currently not using a billtab adjustment factor. Reflects Billings Adjustment Factor.

Meter Size	Meter Code	General Service Service Charge $/Bill
5/8	R	6.46
3/4	Z	7.49
1	Q	9.98
1 1/4	Y	13.10
1 1/2	P	15.56
2	X	23.05
3	O	39.64
4	W	69.00
6	N	133.60
8	V	208.47
10	E	302.43
12	T	530.00

Usage Block	First	Next	Next	Over
Usage	2 Mcf	98 Mcf	1,900 Mcf	2,000 Mcf
General Service Volume Charge ($/Mcf)	39.05	31.54	28.95	21.98

Water Billings and Collections

BILLINGS

	Senior Citizens $1,000	Residential $1,000	Commercial $1,000	Industrial $1,000	Public Utilities $1,000	Housing Authority $1,000	Charities & Schools $1,000	Hospitals & Universities $1,000	Hand Billed $1,000	City Leased Properties $1,000	Scheduled (Flat Rate) $1,000	Bucks County $1,000	Aqua PA $1,000	Total Receipts (d) $1,000	Total Receipts $1,000	City Water Sales $1,000	Public Fire Protection $1,000	Misc. City $1,000	Fire & Private Fire Protection $1,000
2013	3,861	144,103	39,849	2,696	288	5,180	5,205	5,462	14,209	200	1	6,415	3,489	211,482	221,394	6,515	7,391	-	2,717
2014	4,148	150,280	42,910	3,079	303	5,580	5,687	5,971	15,395	250	1	7,813	3,665	222,500	234,037	6,692	7,874	-	3,027
2015	4,517	154,175	47,174	3,039	388	6,212	5,281	6,522	16,458	285	1	-	3,756	235,321		7,720	8,162	-	2,727
2016	4,499	155,701	46,522	3,068	356	5,989	5,476	6,955	16,292	275	1	-	3,692	235,727		7,566	8,162	-	3,523
2017	4,499	155,701	46,513	3,068	356	5,989	5,476	6,955	16,292	275	1	-	3,692	236,036		7,566	8,162	-	3,523
2018	4,499	155,701	46,504	3,068	356	5,989	5,476	6,955	16,292	275	1	-	3,692	236,049		7,566	8,162	-	3,523
2019	4,499	155,887	46,592	3,074	356	5,989	5,476	6,955	16,292	275	1	-	3,692	236,284		7,566	8,162	-	3,523
2020	4,499	156,247	46,747	3,085	356	5,989	5,476	6,955	16,292	275	1	-	3,692	236,755		7,566	8,162	-	3,523
2021	4,499	156,599	46,875	3,094	356	5,989	5,476	6,955	16,292	275	1	-	3,692	237,226		7,566	8,162	-	3,523
2022	4,499	156,615	46,919	3,097	356	5,989	5,476	6,955	16,292	275	1	-	3,692	237,338		7,566	8,162	-	3,523
2023	4,447	154,932	46,762	3,094	356	5,989	5,476	6,955	16,292	275	1	-	3,692	235,756		7,566	8,162	-	3,523
2024	4,400	153,250	46,607	3,091	355	5,989	5,476	6,955	16,292	275	1	-	3,692	233,977		7,566	8,162	-	3,523
2025	4,354	151,720	46,450	3,088	355	5,989	5,476	6,955	16,292	275	1	-	3,692	232,287		7,566	8,162	-	3,523
2026	4,307	150,190	46,303	3,086	355	5,989	5,476	6,955	16,292	275	1	-	3,692	230,620		7,566	8,162	-	3,523

Links to Sewer COS																		
Sewer Bills																		
Senior Citizens																		Frequency
5/8" Meter	230,604	234,012	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	242,052	12.00
> 5/8" Meter	48	48	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	12.00
General Service (Residential)																		
5/8" Meter	4,916,532	4,911,432	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	4,832,796	12.00
> 5/8" Meter	34,488	41,592	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	47,208	12.00
General Service (Commercial)																		
5/8" Meter	327,696	334,728	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	333,444	12.00
> 5/8" Meter	65,856	70,296	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	72,096	12.00
General Service (Industrial)																		
5/8" Meter	6,408	6,204	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	6,528	12.00
> 5/8" Meter	5,676	6,360	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	5,916	12.00
General Service (Public Utilities)																		
5/8" Meter	408	444	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	12.00
> 5/8" Meter	852	948	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	12.00
PHA	70,848	70,284	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	69,132	12.00
Charities & Schools	31,116	31,272	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	12.00
Hospital/University	4,380	4,500	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	5,172	12.00
Hand Bill	2,976	3,048	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964	12.00
City Leased Properties	576	492	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	12.00
Scheduled	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12.00
City	10,020	9,960	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	10,344	12.00
Fire Service	1,020	972	888	888	888	888	888	888	888	888	888	888	888	888	888	888	888	12.00
Sewer Only	552	708	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792	12.00
Groundwater - Non-City	60	60	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	12.00
Sewer Volume (Mcf)																		
Senior Citizens																		
5/8" Meter	109,989	109,832	115,855	115,002	115,002	115,002	115,002	115,002	115,002	115,002	113,185	111,570	109,955	108,340	106,725	105,109	103,494	
> 5/8" Meter	73	48	28	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
General Service (Residential)																		
5/8" Meter	3,012,125	2,891,728	2,853,557	2,857,791	2,857,791	2,857,791	2,861,831	2,869,911	2,877,991	2,877,991	2,833,552	2,789,113	2,748,713	2,708,314	2,667,915	2,627,516	2,587,117	
> 5/8" Meter	375,678	363,360	353,406	382,962	382,962	382,962	383,815	385,255	386,475	386,896	386,896	386,911	386,911	386,911	386,911	386,911	386,911	
General Service (Commercial)																		
5/8" Meter	313,640	309,107	319,584	313,756	313,477	313,198	313,756	314,871	315,707	315,986	311,247	306,509	301,771	297,311	292,852	288,392	283,933	
> 5/8" Meter	911,146	896,412	949,171	932,836	932,836	932,836	934,956	938,532	941,562	942,607	942,607	942,646	942,646	942,646	942,646	942,646	942,646	
General Service (Industrial)																		
5/8" Meter	5,733	5,710	6,182	6,109	6,104	6,098	6,109	6,131	6,148	6,153	6,060	5,967	5,880	5,792	5,705	5,617	5,529	
> 5/8" Meter	77,354	78,617	78,490	79,307	79,307	79,307	79,495	79,813	80,083	80,176	80,176	80,179	80,179	80,179	80,179	80,179	80,179	
General Service (Public Utilities)																		
5/8" Meter	462	424	394	449	449	449	449	449	449	449	442	436	429	422	416	410	404	
> 5/8" Meter	8,471	8,084	10,317	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	
PHA	166,958	165,961	178,299	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	170,956	
Charities & Schools	215,339	211,193	190,792	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	198,431	
Hospital/University	261,881	262,322	272,720	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	291,116	
Hand Bill	527,519	524,773	497,828	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	490,878	
City Leased Properties	4,382	4,443	4,689	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	
Scheduled	16	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
City	231,344	218,014	247,108	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	232,000	
Fire Service	9,863	2,991	2,627	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	
Sewer Only	57,061	76,652	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	42,663	
Groundwater - Non-City	161,399	157,872	248,776	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	190,000	
Wholesale Customer Data																		
Wastewater Flows (mg)																		
Abington	732	764	749	748	748	748	748	748	748	748	748	748	748	748	748	748	748	
Bensalem	1,279	1,353	1,286	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	
Bucks County	6,099	7,072	6,335	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	6,508	
Cheltenham	3,077	2,103	2,669	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	2,618	
Lower Moreland	402	473	432	435	435	435	435	435	435	435	435	435	435	435	435	435	435	
Lower Southampton	1,831	2,320	1,911	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	
DELCORA	8,330	9,666	8,306	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	8,977	
Lower Merion	2,614	2,744	2,672	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	2,693	
Springfield (less Wyndmoor)	1,112	1,320	1,067	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	
Upper Darby	3,273	3,813	3,467	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	3,516	
Springfield (Wyndmoor)	138	148	138	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
BOD (mg/l)																		
Abington	155	155	207	176	176	176	176	176	176	176	176	176	176	176	176	176	176	
Bensalem	208	224	251	227	227	227	227	227	227	227	227	227	227	227	227	227	227	
Bucks County	177	154	203	177	177	177	177	177	177	177	177	177	177	177	177	177	177	
Cheltenham	122	124	122	124	124	124	124	124	124	124	124	124	124	124	124	124	124	
Lower Moreland	123	123	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	

Lower Southampton	216	115	134	125	125	125	125	125	125	125	125	125	125	125	125	125	125
DELCORA	148	146	163	148	148	148	148	148	148	148	148	148	148	148	148	148	148
Lower Merion	146	145	144	142	142	142	142	142	142	142	142	142	142	142	142	142	142
Springfield (less Wyndmoor)	221	160	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Upper Darby	133	133	133	136	136	136	136	136	136	136	136	136	136	136	136	136	136
Springfield (Wyndmoor)	74	72	106	84	84	84	84	84	84	84	84	84	84	84	84	84	84
SS (mg/l)																	
Abington	183	183	171	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Bensalem	217	195	204	205	205	205	205	205	205	205	205	205	205	205	205	205	205
Bucks County	150	168	220	179	179	179	179	179	179	179	179	179	179	179	179	179	179
Cheltenham	140	144	141	142	142	142	142	142	142	142	142	142	142	142	142	142	142
Lower Moreland	163	164	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Lower Southampton	327	126	152	160	160	160	160	160	160	160	160	160	160	160	160	160	160
DELCORA	179	174	184	175	175	175	175	175	175	175	175	175	175	175	175	175	175
Lower Merion	168	167	167	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Springfield (less Wyndmoor)	165	157	207	170	170	170	170	170	170	170	170	170	170	170	170	170	170
Upper Darby	156	156	156	157	157	157	157	157	157	157	157	157	157	157	157	157	157
Springfield (Wyndmoor)	92	91	139	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Cost of Service to be Derived from Rates - Wastewater																	
Operating Expenses			245,701,106	243,138,981	253,896,418	267,473,242	298,659,289	312,465,837	324,789,438	343,671,423	351,475,465	362,763,513	376,718,849	390,687,283	405,400,681	419,166,255	434,507,601
Capital Costs			144,949,709	147,557,046	158,407,090	167,039,899	157,219,932	166,038,352	179,355,087	188,724,483	200,611,182	193,046,673	209,527,095	229,437,667	248,705,577	256,430,677	286,179,964
Water Treatment Plant Costs - FROM SCOS																	
Water Treatment Plant Allocated Sludge Costs			10,447,550	10,453,302	10,951,693	11,677,838	12,308,651	12,997,941	14,040,883	14,889,773	15,533,749	15,779,904	16,735,602	17,792,065	18,868,570	19,622,335	21,022,731
Water Treatment Plant Allocated Sludge Costs - Operating Component			6,970,589	7,023,280	7,377,127	7,902,286	8,654,994	9,120,613	9,838,049	10,444,608	10,758,917	11,159,026	11,664,982	12,177,614	12,719,995	13,226,234	13,808,776
Contract Customers Receipts under Existing Rates																	
Contract Customer Receipts under Existing Rates			31,547,929	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385
O&M Expenses																	
Combined Utility																	
Operations Division:																	
Class 100			71,789,745	70,945,353	73,073,713	75,265,925	78,235,902	80,337,620	82,458,108	84,806,461	87,378,835	90,027,450	92,756,594	95,567,622	98,460,960	101,444,109	104,513,642
Class 200			65,310,616	64,748,070	65,677,016	66,623,157	69,210,051	70,968,047	72,709,881	74,814,412	77,284,278	79,835,567	82,470,164	85,192,475	88,003,807	90,908,713	93,909,511
Class 300			31,672,345	30,585,636	31,435,679	32,312,963	33,761,860	34,784,642	35,745,482	36,738,756	37,763,637	38,818,594	39,903,716	41,020,728	42,171,343	43,354,977	44,573,391
Class 400			1,219,613	1,197,193	1,224,130	1,251,673	1,409,835	1,443,632	1,478,076	1,513,183	1,548,967	1,585,444	1,622,629	1,660,538	1,699,187	1,738,594	1,778,775
Total			169,992,319	167,476,252	171,410,538	175,453,717	182,617,649	187,533,941	192,391,547	197,872,811	203,975,717	210,267,055	216,753,102	223,441,363	230,335,297	237,446,392	244,775,320
Interdepartmental Charges:																	
WRB			14,886,768	14,930,631	15,328,186	15,736,661	17,552,500	18,095,740	18,655,869	19,233,393	19,829,830	20,444,718	21,078,611	21,732,081	22,406,716	23,103,127	23,820,942
Law Department			2,455,124	2,794,488	2,873,039	2,953,840	3,044,887	3,138,753	3,235,526	3,335,297	3,438,160	3,544,210	3,653,547	3,766,272	3,882,492	4,002,316	4,125,856
Public Properties			3,959,919	4,042,633	4,005,055	4,195,582	4,275,707	4,357,599	4,444,751	4,533,646	4,624,319	4,716,805	4,811,141	4,907,364	5,005,511	5,105,622	5,207,734
Mayor's Office of Transportation & Utilities			227,983	225,126	231,591	238,245	245,543	253,064	260,816	268,807	277,043	285,532	294,282	303,302	312,598	322,180	332,057
Fleet Management			8,323,380	8,044,502	8,232,337	8,424,738	8,647,701	8,841,557	9,027,473	9,241,623	9,484,185	9,733,342	9,989,282	10,251,201	10,521,298	10,798,780	11,083,859
Procurement			60,866	69,141	71,216	73,352	75,553	77,819	80,154	82,558	85,035	87,586	90,214	92,920	95,708	98,579	101,537
Water Dept. (Xfer to Gen'l. Fund)			6,244,621	6,545,139	6,676,041	6,809,562	7,013,849	7,224,265	7,440,993	7,664,222	7,894,149	8,130,973	8,374,903	8,626,150	8,884,934	9,151,482	9,426,027
Total			36,158,661	36,651,660	37,417,466	38,431,981	40,855,739	41,988,796	43,145,582	44,359,547	45,632,721	46,943,167	48,291,980	49,679,290	51,109,259	52,582,087	54,098,011
Human Resources and Administration:																	
Class 100			8,502,816	8,381,232	8,632,669	8,891,649	9,556,399	9,843,151	10,138,145	10,442,630	10,755,859	11,078,094	11,410,607	11,752,675	12,105,586	12,468,633	12,843,122
Class 200			3,932,875	3,210,067	3,274,162	3,339,502	3,457,272	3,578,254	3,703,484	3,833,073	3,967,166	4,105,951	4,249,591	4,398,259	4,552,129	4,711,383	4,876,211
Class 300			625,176	641,173	653,975	667,026	680,541	694,148	708,029	722,184	736,615	751,335	766,350	781,665	797,286	813,220	829,472
Class 400			413,078	691,110	706,660	722,559	738,817	755,440	772,438	789,818	807,588	825,759	844,339	863,336	882,762	902,624	922,933
Total			13,473,945	12,923,582	13,267,467	13,620,737	14,433,029	14,870,994	15,322,097	15,787,704	16,267,228	16,761,140	17,270,887	17,795,935	18,337,762	18,895,860	19,471,738
Finance:																	
Class 100			2,170,853	2,103,041	2,166,132	2,231,116	2,358,050	2,428,991	2,502,001	2,577,141	2,654,475	2,734,070	2,815,992	2,900,311	2,987,101	3,076,434	3,168,387
Class 200			4,141,455	3,042,479	2,440,273	3,166,452	4,819,715	4,952,983	5,090,234	5,232,500	5,379,939	5,532,633	5,690,736	5,854,410	6,023,822	6,199,146	6,380,558
Class 2xx (SMIP & GARP)			11,796,207	9,337,849	9,335,247	9,331,928	12,254,665	12,253,834	12,253,506	12,252,359	12,250,220	12,248,166	12,246,194	12,244,301	12,242,499	12,240,765	12,239,117
Class 300			19,818	17,950	18,309	18,676	19,045	19,426	19,815	20,211	20,616	21,029	21,450	21,879	22,317	22,764	23,219
Class 400			-	24,489	25,040	25,604	26,180	26,769	27,371	27,987	28,617	29,260	29,919	30,592	31,280	31,984	32,704
Total			18,128,333	14,525,808	13,985,002	14,773,777	19,477,655	19,682,004	19,892,927	20,110,198	20,333,867	20,565,158	20,804,290	21,051,494	21,307,020	21,571,092	21,843,985
Planning and Engineering:																	
Class 100			13,335,368	13,998,012	14,417,952	14,850,491	16,974,006	17,663,886	18,193,532	18,739,358	19,300,789	19,880,263	20,476,231	21,090,157	21,723,522	22,374,818	23,046,552
Class 200			19,530,446	24,211,220	24,695,444	25,189,353	27,070,981	27,983,465	28,927,886	29,905,362	30,917,050	31,964,147	33,047,892	34,169,568	35,330,503	36,532,071	37,775,693
Class 300			939,488	1,182,735	1,206,389	1,230,517	1,255,127	1,280,230	1,305,835	1,331,951	1,358,590	1,385,762	1,413,477	1,441,747	1,470,582	1,499,993	1,529,993
Class 400			202,568	443,070	453,039	463,232	473,655	484,312	495,209	506,351	517,744	529,393	541,305	553,484	565,937	578,671	591,691
Total			34,007,870	39,835,036	40,772,825	41,733,593	45,773,768	47,411,893	48,922,462	50,483,023	52,094,173	53,759,565	55,478,904	57,254,956	59,090,544	60,985,553	62,943,930
Information Science and Technology																	
Class 100			5,233,042	5,114,671	5,268,112	5,426,155	5,588,940	5,756,608	5,929,306	6,107,185	6,290,401	6,479,113	6,673,486	6,873,691	7,079,901	7,292,299	7,511,067
Class 200			10,226,939	13,166,774	13,430,109	13,698,711	14,178,166	14,674,402	15,188,006	15,719,586	16,269,772	16,839,214	17,428,586	18,038,587	18,669,937	19,323,385	19,999,704
Class 300			1,609,074	1,554,517	1,585,608	1,617,320	1,649,666	1,682,660	1,716,313	1,750,639	1,785,652	1,821,365	1,857,792	1,894,948	1,932,847	1,971,504	2,010,934
Class 400			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			17,069,055	19,835,962	20,283,828	20,742,186	21,416,772	22,113,669	22,833,625	23,577,411	24,345,824	25,139,691	25,959,865	26,807,226	27,682,686	28,587,188	29,521,705
Public Affairs:																	
Class 100			2,644,067	2,654,376	2,734,008	2,816,028	3,006,509	3,096,524	3,189,150	3,284,464	3,382,548	3,484,485	3,589,359	3,697,260	3,808,278	3,922,506	4,040,041
Class 200			6,874,720	6,573,204	6,705,310	6,840,235	7,073,538	7,321,303	7,577,626	7,843,124	8,118,170	8,402,835	8,697,455	9,002,378	9,317,962	9,644,584	9,982,627
Class 300			134,263	154,784	157,899	161,081	164,126	167,414	170,764	174,187	177,686	181,254	184,892	188,604	192,389	196,249	200,186
Class 400			13,757	10,875	11,120	11,370	11,626	11,887	12,155	12,428	12,708	12,994	13,286	13,585	13,891	14,203	14,523

Total	9,666,807	9,393,240	9,608,336	9,828,714	10,255,798	10,597,128	10,949,695	11,314,203	11,691,112	12,081,567	12,484,992	12,901,827	13,332,518	13,777,542	14,237,376
Total Water Department:															
Class 100	103,675,891	103,196,686	106,292,587	109,481,364	115,719,805	119,126,779	122,410,243	125,957,240	129,762,907	133,683,474	137,722,268	141,881,717	146,165,348	150,578,798	155,122,812
Class 200 (Includes SMIP/GARP)	121,813,258	124,289,663	125,557,562	128,189,339	138,064,388	141,732,289	145,450,624	149,600,416	154,186,596	158,928,512	163,830,618	168,899,978	174,140,659	179,560,046	185,163,422
Class 300	35,000,164	34,136,796	35,057,860	36,007,584	37,530,367	38,628,520	39,666,238	40,737,929	41,842,796	42,979,339	44,147,677	45,349,571	46,586,763	47,858,706	49,167,196
Class 400	1,849,016	2,366,736	2,419,988	2,474,438	2,660,112	2,722,040	2,785,248	2,849,766	2,915,624	2,982,850	3,051,477	3,121,535	3,193,057	3,266,076	3,340,625
Class 500															
Fringe Benefits	100,569,917	109,025,494	112,163,521	115,187,031	123,353,596	126,298,857	130,430,315	134,893,380	139,687,683	144,697,263	149,925,590	155,389,581	161,096,626	167,055,609	173,280,931
Indemnities	3,840,767	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025	4,989,025
Subtotal	366,749,013	378,004,400	386,480,543	396,328,781	422,317,293	433,497,511	445,731,692	459,027,756	473,384,630	488,260,464	503,666,656	519,631,406	536,171,478	553,308,261	571,064,010
Interdepartmental	36,158,661	36,651,660	37,417,466	38,431,981	40,855,739	41,988,796	43,145,582	44,359,547	45,632,721	46,943,167	48,291,980	49,679,290	51,109,259	52,582,087	54,098,011
Total	402,907,674	414,656,060	423,898,009	434,760,762	463,173,032	475,486,306	488,877,275	503,387,303	519,017,352	535,203,631	551,958,636	569,310,696	587,280,737	605,890,347	625,162,021
	402,907,674	409,773,447	418,918,134	429,681,760	457,723,265	469,856,323	483,060,746	497,377,938	512,808,679	528,788,733	545,330,357	562,461,631	580,203,222	598,576,457	617,603,549
Water Utility	-	4,882,614	4,979,874	5,079,002	5,449,767	5,629,983	5,816,529	6,009,365	6,208,673	6,414,898	6,628,279	6,849,065	7,077,515	7,313,891	7,558,472
Operations Division:															
Class 100	31,365,861	30,996,935	31,926,843	32,884,648	34,179,088	35,080,392	35,985,275	36,999,586	38,122,321	39,278,268	40,469,532	41,696,473	42,959,272	44,261,543	45,601,276
Class 200	17,522,884	17,513,682	17,699,638	17,891,835	18,388,310	18,734,375	19,018,139	19,456,432	20,060,492	20,683,249	21,325,151	21,987,409	22,669,703	23,373,681	24,099,483
Class 300	21,728,615	20,661,440	21,282,195	21,925,370	22,675,668	23,351,163	24,039,921	24,753,889	25,493,672	26,256,058	27,041,408	27,850,791	28,684,844	29,544,498	30,430,013
Class 400	719,355	706,131	722,019	738,264	831,552	851,486	871,802	892,508	913,615	935,130	957,062	979,422	1,002,218	1,025,461	1,049,161
Total	71,336,715	69,878,189	71,630,695	73,440,117	76,074,618	78,017,415	79,915,138	82,102,415	84,590,100	87,152,706	89,793,152	92,514,095	95,316,038	98,205,183	101,179,933
Interdepartmental Charges:															
WRB	4,972,180	4,986,831	5,119,614	5,256,046	5,862,535	6,043,976	6,231,061	6,423,954	6,623,164	6,828,536	7,040,257	7,258,515	7,483,843	7,716,445	7,956,195
Law Department	908,396	1,033,960	1,063,025	1,092,921	1,126,608	1,161,338	1,197,145	1,234,059	1,272,119	1,311,358	1,351,811	1,393,520	1,436,522	1,480,857	1,526,566
Public Properties	1,425,571	1,455,348	1,441,820	1,510,409	1,539,255	1,568,736	1,600,110	1,632,112	1,664,755	1,698,050	1,732,011	1,766,651	1,801,984	1,838,024	1,874,784
Mayor's Office of Transportation & Utilities	82,074	81,045	83,373	85,768	88,395	91,103	93,894	96,770	99,735	102,792	105,942	109,188	112,535	115,985	119,540
Fleet Management	2,996,417	2,896,021	2,963,641	3,032,906	3,113,172	3,182,961	3,249,890	3,326,984	3,414,307	3,504,003	3,596,142	3,690,433	3,787,667	3,887,561	3,990,189
Procurement	21,912	24,891	25,638	26,407	27,199	28,015	28,855	29,721	30,613	31,531	32,477	33,451	34,455	35,488	36,553
Water Dept. (Xfer to Gen'l. Fund)	2,248,064	2,356,250	2,403,375	2,451,443	2,524,986	2,600,735	2,678,757	2,759,120	2,841,894	2,927,150	3,014,965	3,105,414	3,198,576	3,294,534	3,393,370
Total	12,654,614	12,834,346	13,100,486	13,455,900	14,282,150	14,676,864	15,079,712	15,502,720	15,946,587	16,403,420	16,873,605	17,357,172	17,855,582	18,368,894	18,897,197
Human Resources and Administration:															
Class 100	2,635,873	2,598,182	2,676,127	2,756,411	2,962,484	3,051,377	3,142,825	3,237,215	3,334,316	3,434,209	3,537,288	3,643,329	3,752,732	3,865,276	3,981,368
Class 200	1,202,026	977,398	997,475	1,018,106	1,048,842	1,085,699	1,123,758	1,163,307	1,204,441	1,247,009	1,291,063	1,336,655	1,383,836	1,432,665	1,483,194
Class 300	191,076	195,224	199,234	203,355	206,458	210,615	214,839	219,177	223,638	228,187	232,824	237,553	242,373	247,288	252,300
Class 400	128,054	214,244	219,064	223,993	229,033	234,187	239,456	244,843	250,352	255,985	261,745	267,634	273,656	279,813	286,109
Total	4,157,028	3,985,048	4,091,899	4,201,865	4,446,817	4,581,878	4,720,878	4,864,542	5,012,747	5,165,390	5,322,920	5,485,171	5,652,597	5,825,042	6,002,972
Finance:															
Class 100	824,924	799,156	823,130	847,824	896,059	923,017	950,760	979,314	1,008,701	1,038,946	1,070,077	1,102,118	1,135,098	1,169,045	1,203,987
Class 200	1,553,814	1,137,607	883,876	1,148,389	1,864,683	1,914,654	1,965,963	2,019,398	2,075,088	2,132,746	2,192,429	2,254,199	2,318,111	2,384,239	2,452,642
Class 2xx (SMIP & GARP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300	7,436	6,712	6,850	6,991	7,098	7,241	7,386	7,535	7,689	7,845	8,004	8,167	8,333	8,502	8,674
Class 400	-	9,306	9,515	9,729	9,948	10,172	10,401	10,635	10,874	11,119	11,369	11,625	11,886	12,154	12,427
Total	2,386,174	1,952,780	1,723,370	2,012,933	2,777,787	2,855,083	2,934,510	3,016,882	3,102,351	3,190,656	3,281,880	3,376,109	3,473,428	3,573,940	3,677,730
Planning and Engineering:															
Class 100	4,447,215	4,655,698	4,795,369	4,939,230	5,674,707	5,904,016	6,081,020	6,263,468	6,451,099	6,644,788	6,843,957	7,049,162	7,260,887	7,478,569	7,703,107
Class 200	7,186,155	7,168,386	7,315,626	7,466,941	7,987,244	8,257,595	8,536,746	8,826,856	9,128,635	9,440,937	9,764,132	10,098,601	10,444,712	10,802,911	11,173,582
Class 300	371,186	375,944	383,666	391,602	397,577	405,584	413,718	422,071	430,661	439,420	448,351	457,456	466,740	476,205	485,856
Class 400	81,028	177,228	181,216	185,292	189,462	193,725	198,083	202,540	207,098	211,758	216,522	221,394	226,375	231,468	236,677
Total	12,085,584	12,377,256	12,675,878	12,983,065	14,248,990	14,760,920	15,229,567	15,714,935	16,217,494	16,736,902	17,272,962	17,826,613	18,398,714	18,989,153	19,599,222
Information Science and Technology															
Class 100	3,043,492	2,974,649	3,063,888	3,155,805	3,250,479	3,347,993	3,448,433	3,551,886	3,658,443	3,768,196	3,881,242	3,997,679	4,117,610	4,241,138	4,368,372
Class 200	5,044,264	6,494,287	6,624,173	6,756,656	6,993,139	7,237,899	7,491,226	7,753,418	8,024,788	8,305,656	8,596,354	8,897,226	9,208,629	9,530,931	9,864,513
Class 300	842,997	814,415	830,703	847,317	864,263	881,549	899,180	917,163	935,506	954,217	973,301	992,767	1,012,622	1,032,875	1,053,532
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8,930,753	10,283,351	10,518,764	10,759,778	11,107,881	11,467,441	11,838,839	12,222,467	12,618,737	13,028,069	13,450,897	13,887,672	14,338,861	14,804,944	15,286,417
Public Affairs:															
Class 100	1,322,034	1,327,188	1,367,004	1,408,014	1,503,254	1,548,262	1,594,575	1,642,232	1,691,274	1,742,242	1,794,680	1,848,630	1,904,139	1,961,253	2,020,021
Class 200	3,192,553	3,043,617	3,106,133	3,170,380	3,266,093	3,380,865	3,499,383	3,622,536	3,750,625	3,883,184	4,020,369	4,162,342	4,309,262	4,461,314	4,618,664
Class 300	66,444	76,389	77,957	79,570	80,784	82,411	84,064	85,761	87,506	89,286	91,101	92,951	94,838	96,761	98,721
Class 400	6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214	6,354	6,497	6,643	6,792	6,945	7,102	7,261
Total	4,587,910	4,452,631	4,556,655	4,663,649	4,855,944	5,017,482	5,184,099	5,356,743	5,535,760	5,721,209	5,912,793	6,110,715	6,315,183	6,526,430	6,744,667
Total Water Department:															
Class 100	43,639,399	43,351,808	44,652,361	45,991,932	48,466,071	49,855,057	51,202,888	52,673,701	54,266,154	55,906,649	57,596,776	59,337,391	61,129,738	62,976,824	64,878,131
Class 200 (Includes SMIP/GARP)	35,701,695	36,334,976	36,626,920	37,452,307	39,548,311	40,611,086	41,635,216	42,841,946	44,244,069	45,692,781	47,189,498	48,736,432	50,334,253	51,985,740	53,692,079
Class 300	23,207,754	22,130,124	22,780,605	23,454,205	24,231,848	24,938,563	25,659,108	26,405,596	27,178,673	27,975,013	28,794,989	29,639,685	30,509,749	31,406,129	32,329,096
Class 400	935,316	1,112,346	1,137,374	1,162,963	1,265,808	1,295,514	1,325,819	1,356,740	1,388,293	1,420,489	1,453,341	1,486,867	1,521,080	1,555,998	1,591,635
Class 500															
Fringe Benefits	41,353,262	44,746,874	46,034,800	47,275,726	50,433,074	51,601,797	53,262,840	55,072,327	57,030,806	59,077,203	61,213,132	63,445,341	65,776,637	68,211,215	70,754,206
Indemnities	1,421,084	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939	1,845,939
Subtotal	146,258,510	149,522,067	153,078,000	157,183,071	165,791,051	170,147,957	174,931,810	180,196,250	185,953,934	191,918,074	198,093,675	204,491,655	211,117,396	217,981,845	225,091,086
Interdepartmental	12,654,614	12,834,346	13,100,486	13,455,900	14,282,150	14,676,864	15,079,712	15,502,720	15,946,587	16,403,420	16,873,605	17,357,172	17,855,582	18,368,894	18,897,197
Total	158,913,124	162,356,413	166,178,486	170,638,971	180,073,201	184,824,821	190,011,522	195,698,970	201,900,521	208,321,494	214,967,280	221,848,827	228,972,978	236,350,739	243,988,283

CHECK - Cashflow	158,913,124	162,356,413	166,178,486	170,638,971	180,073,201	184,824,821	190,011,522	195,698,970	201,900,521	208,321,494	214,967,280	221,848,827	228,972,978	236,350,739	243,988,283
Wastewater Utility	NOTE: Wastewater has been revised to reduce class 200 and class 300 (including power and chemicals) by liquidated encumbrances														
Operations Division:															
Class 100	40,423,884	39,948,418	41,146,870	42,381,277	44,056,814	45,257,228	46,472,833	47,806,875	49,256,514	50,749,182	52,287,062	53,871,149	55,501,688	57,182,566	58,912,366
Class 200	47,787,732	47,234,388	47,977,379	48,731,322	50,821,741	52,233,673	53,691,742	55,357,980	57,223,786	59,152,317	61,145,013	63,205,066	65,334,103	67,535,032	69,810,028
Class 300	9,943,730	9,924,196	10,153,483	10,387,593	11,086,192	11,433,480	11,705,560	11,984,867	12,269,965	12,562,536	12,862,308	13,169,937	13,486,499	13,810,479	14,143,378
Class 400	500,258	491,062	502,111	513,409	578,283	592,146	606,274	620,675	635,352	650,314	665,567	681,116	696,969	713,133	729,614
Total	98,655,604	97,598,063	99,779,843	102,013,601	106,543,032	109,516,525	112,476,409	115,770,396	119,385,617	123,114,349	126,959,949	130,927,267	135,019,260	139,241,209	143,595,387
Interdepartmental Charges:															
WRB	9,914,588	9,943,800	10,208,572	10,480,615	11,689,965	12,051,764	12,424,808	12,809,439	13,206,666	13,616,182	14,038,354	14,473,566	14,922,873	15,386,682	15,864,747
Law Department	1,546,728	1,760,528	1,810,014	1,860,919	1,918,279	1,977,415	2,038,381	2,101,238	2,166,041	2,232,852	2,301,736	2,372,752	2,445,970	2,521,459	2,599,290
Public Properties	2,534,348	2,587,285	2,563,235	2,685,173	2,736,452	2,788,863	2,844,641	2,901,534	2,959,564	3,018,755	3,079,130	3,140,713	3,203,527	3,267,598	3,332,950
Mayor's Office of Transportation & Utilities	145,909	144,081	148,218	152,477	157,148	161,961	166,922	172,037	177,308	182,740	188,340	194,114	200,063	206,195	212,517
Fleet Management	5,326,963	5,148,481	5,268,696	5,391,832	5,534,529	5,658,596	5,777,583	5,914,639	6,069,878	6,229,339	6,393,140	6,560,768	6,733,631	6,911,219	7,093,670
Procurement	38,954	44,250	45,578	46,945	48,354	49,804	51,299	52,837	54,422	56,055	57,737	59,469	61,253	63,091	64,984
Water Dept. (Xfer to Gen'l. Fund)	3,996,557	4,188,889	4,272,666	4,358,120	4,488,863	4,623,530	4,762,236	4,905,102	5,052,255	5,203,823	5,359,938	5,520,736	5,686,358	5,856,948	6,032,657
Total	23,504,047	23,817,314	24,316,980	24,976,082	26,573,589	27,311,932	28,065,870	28,856,827	29,686,134	30,539,747	31,418,375	32,322,118	33,253,677	34,213,193	35,200,814
Human Resources and Administration:															
Class 100	5,866,943	5,783,050	5,956,542	6,135,238	6,593,915	6,791,774	6,995,320	7,205,415	7,421,543	7,643,885	7,873,319	8,109,346	8,352,854	8,603,357	8,861,754
Class 200	2,730,850	2,232,669	2,276,688	2,321,396	2,408,430	2,492,556	2,579,726	2,669,766	2,762,725	2,858,942	2,958,528	3,061,603	3,168,293	3,278,719	3,393,017
Class 300	434,100	445,949	454,742	463,672	474,083	483,533	493,190	503,007	512,977	523,149	533,526	544,112	554,913	565,932	577,172
Class 400	285,024	476,866	487,596	498,566	509,784	521,253	532,982	544,975	557,236	569,774	582,594	595,702	609,106	622,811	636,824
Total	9,316,917	8,938,534	9,175,567	9,418,873	9,986,212	10,289,115	10,601,219	10,923,162	11,254,481	11,595,750	11,947,967	12,310,764	12,685,165	13,070,818	13,468,767
Finance:															
Class 100	1,345,929	1,303,885	1,343,002	1,383,292	1,461,991	1,505,974	1,551,241	1,597,827	1,645,774	1,695,124	1,745,915	1,798,193	1,852,003	1,907,389	1,964,400
Class 200	2,587,641	1,904,872	1,556,397	2,018,063	2,955,033	3,038,330	3,124,270	3,213,102	3,304,851	3,399,887	3,498,307	3,600,212	3,705,711	3,814,907	3,927,916
Class 2xx (SMIIP & GARP)	11,796,207	9,337,849	9,335,247	9,331,928	12,254,665	12,253,834	12,253,506	12,252,359	12,250,220	12,248,166	12,246,194	12,244,301	12,242,499	12,240,765	12,239,117
Class 300	12,383	11,238	11,460	11,685	11,947	12,186	12,429	12,676	12,927	13,184	13,445	13,712	13,984	14,262	14,545
Class 400	-	15,183	15,525	15,875	16,232	16,597	16,970	17,352	17,743	18,141	18,550	18,967	19,394	19,830	20,277
Total	15,742,159	12,573,028	12,261,632	12,760,844	16,699,867	16,826,921	16,958,417	17,093,316	17,231,516	17,374,502	17,522,411	17,675,385	17,833,592	17,997,152	18,166,255
Planning and Engineering:															
Class 100	8,888,153	9,342,314	9,622,583	9,911,261	11,299,299	11,759,870	12,112,512	12,475,890	12,849,690	13,235,475	13,632,274	14,040,995	14,462,635	14,896,249	15,343,445
Class 200	12,344,291	12,388,276	12,632,521	12,880,591	13,876,273	14,343,023	14,826,686	15,326,240	15,841,950	16,375,732	16,928,219	17,500,066	18,091,974	18,704,614	19,338,746
Class 300	568,302	578,735	590,145	601,734	615,247	627,509	640,042	652,781	665,721	678,922	692,389	706,128	720,144	734,443	749,031
Class 400	121,540	265,842	271,823	277,940	284,193	290,587	297,126	303,811	310,646	317,635	324,783	332,090	339,562	347,203	355,014
Total	21,922,287	22,575,167	23,117,072	23,671,526	26,075,011	27,020,989	27,876,366	28,758,723	29,668,007	30,607,765	31,577,664	32,579,279	33,614,316	34,682,509	35,786,236
Information Science and Technology															
Class 100	2,189,550	2,140,022	2,204,224	2,270,350	2,338,461	2,408,615	2,480,873	2,555,299	2,631,958	2,710,917	2,792,244	2,876,012	2,962,291	3,051,161	3,142,695
Class 200	5,182,675	6,672,487	6,805,936	6,942,055	7,185,027	7,436,503	7,696,780	7,966,168	8,244,984	8,533,558	8,832,232	9,141,361	9,461,308	9,792,454	10,135,191
Class 300	766,077	740,102	754,905	770,003	785,403	801,111	817,133	833,476	850,146	867,148	884,491	902,181	920,225	938,629	957,402
Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8,138,302	9,552,611	9,765,064	9,982,408	10,308,891	10,646,228	10,994,786	11,354,944	11,727,087	12,111,622	12,508,968	12,919,554	13,343,825	13,782,244	14,235,288
Public Affairs:															
Class 100	1,322,033	1,327,188	1,367,004	1,408,014	1,503,255	1,548,262	1,594,575	1,642,232	1,691,274	1,742,243	1,794,679	1,848,630	1,904,139	1,961,253	2,020,020
Class 200	3,682,166	3,529,588	3,599,177	3,669,855	3,807,445	3,940,438	4,078,243	4,220,587	4,367,545	4,519,651	4,677,086	4,840,036	5,008,700	5,183,270	5,363,962
Class 300	67,819	78,396	79,942	81,511	83,342	85,003	86,700	88,427	90,179	91,967	93,792	95,653	97,551	99,488	101,465
Class 400	6,878	5,438	5,560	5,685	5,813	5,943	6,078	6,214	6,354	6,497	6,643	6,793	6,946	7,101	7,262
Total	5,078,897	4,940,609	5,051,682	5,165,065	5,399,854	5,579,646	5,765,596	5,957,460	6,155,352	6,360,358	6,572,200	6,791,111	7,017,335	7,251,113	7,492,709
Total Water Department:															
Class 100	60,036,492	59,844,878	61,640,226	63,489,432	67,253,734	69,271,722	71,207,355	73,283,539	75,496,753	77,776,825	80,125,492	82,544,326	85,035,610	87,601,974	90,244,681
Class 200 (Includes SMIP/GARP)	86,111,562	83,300,129	84,183,346	85,895,212	93,308,613	95,738,357	98,250,954	101,006,203	103,996,061	107,088,253	110,285,579	113,592,644	117,012,590	120,549,761	124,207,978
Class 300	11,792,411	11,778,616	12,044,676	12,316,198	13,056,215	13,442,820	13,755,055	14,075,234	14,401,916	14,736,906	15,079,951	15,431,723	15,793,316	16,163,232	16,542,993
Class 400	913,700	1,254,390	1,282,614	1,311,475	1,394,304	1,426,526	1,459,429	1,493,026	1,527,331	1,562,361	1,598,136	1,634,668	1,671,977	1,710,078	1,748,990
Class 500															
Fringe Benefits	59,216,655	64,278,620	66,128,721	67,911,305	72,920,522	74,697,060	77,167,475	79,821,053	82,656,877	85,620,060	88,712,458	91,944,240	95,319,989	98,844,394	102,526,725
Indemnities	2,419,683	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086	3,143,086
Subtotal	220,490,503	223,599,719	228,422,669	234,066,708	251,076,475	257,719,571	264,983,353	272,822,141	281,222,023	289,927,492	298,944,702	308,290,687	317,976,567	328,012,525	338,414,453
Interdepartmental	23,504,047	23,817,314	24,316,980	24,976,082	26,573,589	27,311,932	28,065,870	28,856,827	29,686,134	30,539,747	31,418,375	32,322,118	33,253,677	34,213,193	35,200,814
Total	243,994,550	247,417,033	252,739,649	259,042,789	277,650,064	285,031,503	293,049,224	301,678,968	310,908,158	320,467,239	330,363,078	340,612,804	351,230,244	362,225,718	373,615,266
CHECK - Cashflow	243,994,550	247,417,033	252,739,649	259,042,789	277,650,064	285,031,503	293,049,224	301,678,968	310,908,158	320,467,239	330,363,078	340,612,804	351,230,244	362,225,718	373,615,266
FRINGE BENEFITS - Wastewater															
Human Resources and Administration	4,970,062	5,328,795	5,482,172	5,629,950	6,094,911	6,243,421	6,460,734	6,687,806	6,924,202	7,170,940	7,428,834	7,698,118	7,979,805	8,273,537	8,580,871
Finance	1,140,176	1,201,466	1,236,048	1,269,367	1,351,353	1,384,385	1,432,694	1,483,046	1,535,486	1,590,242	1,647,350	1,707,006	1,769,290	1,834,267	1,902,136
Planning & Engineering	7,529,419	8,608,481	8,856,254	9,094,986	10,444,209	10,810,404	11,186,867	11,579,672	11,988,592	12,416,564	12,862,669	13,328,970	13,816,717	14,325,183	14,857,118
Information Science & Technology	1,854,833	1,971,925	2,028,682	2,083,368	2,161,494	2,214,149	2,291,283	2,371,737	2,455,582	2,543,186	2,634,609	2,730,168	2,829,992	2,934,191	3,043,084
Operations	34,244,274	36,810,493	37,869,992	38,890,826	40,722,756	41,603,261	42,921,352	44,372,619	45,955,680	47,609,208	49,335,217	51,139,318	53,022,917	54,990,403	57,045,073
Public Affairs	1,119,933	1,222,939	1,258,138	1,292,052	1,389,494	1,423,259	1,472,716	1,524,261	1,577,937	1,634,446	1,693,361	1,754,885	1,819,098	1,886,066	1,955,993
Dept. Of Revenue (Wrb)	5,649,554	6,073,427	6,248,236	6,416,665	7,400,935	7,581,075	7,844,981	8,120,175	8,407,506	8,707,591	9,020,614	9,347,632	9,689,065	10,045,892	10,418,554
Law Dept.	1,140,761	1,315,492	1,353,355	1,389,836	1,441,956	1,477,082	1,528,538	1,582,211	1,638,144	1,696,585	1,757,576	1,821,323	1,887,918	1,957,429	2,030,074
Other Inter Departmental	1,567,643	1,745,602	1,795,844	1,844,255	1,913,414	1,960,025	2,028,308	2,099,527	2,173,748	2,251,298	2,332,228	2,416,820	2,505,187	2,597,427	2,693,822

Total	-	59,216,655	64,278,620	66,128,721	67,911,305	72,920,522	74,697,060	77,167,475	79,821,053	82,656,877	85,620,060	88,712,458	91,944,240	95,319,989	98,844,394	102,526,725
Law Dept. - Water		669,971	772,590	794,828	816,253	846,863	867,492	897,714	929,234	962,085	996,408	1,032,226	1,069,666	1,108,777	1,149,602	1,192,265
O&M Allocation - Class 100 - WASTEWATER																
DIRECT WASTEWATER																
Biosolids Engr Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWPCP		6,226,969	6,153,728	6,338,340	6,528,490	6,790,477	6,996,100	7,209,708	7,429,509	7,654,240	7,885,720	8,124,002	8,369,522	8,622,328	8,882,603	9,150,756
SWWPCP		6,292,334	6,218,323	6,404,873	6,597,019	6,861,757	7,069,539	7,285,389	7,507,496	7,734,587	7,968,496	8,209,279	8,457,377	8,712,837	8,975,843	9,246,811
SEWPCP		3,485,274	3,444,280	3,547,608	3,654,036	3,800,672	3,915,761	4,035,318	4,158,342	4,284,126	4,413,686	4,547,054	4,684,474	4,825,971	4,971,648	5,121,735
Industrial Waste		1,126,363	1,113,115	1,146,508	1,180,903	1,228,293	1,265,487	1,304,125	1,343,884	1,384,534	1,426,405	1,469,507	1,513,918	1,559,646	1,606,726	1,655,231
Sewer Maintenance		9,019,458	8,913,371	9,180,772	9,456,195	9,835,671	10,133,507	10,442,907	10,761,277	11,086,789	11,422,077	11,767,216	12,122,840	12,489,017	12,866,012	13,254,419
Inlet Cleaning		4,455,429	4,403,024	4,535,114	4,671,168	4,858,621	5,005,746	5,158,583	5,315,851	5,476,648	5,642,273	5,812,765	5,988,436	6,169,320	6,355,548	6,547,413
Interceptors/Flow Control		3,828,336	3,783,307	3,896,806	4,013,710	4,174,780	4,301,197	4,432,523	4,567,656	4,705,821	4,848,134	4,994,630	5,145,576	5,301,000	5,461,017	5,625,877
Data & Flow Control		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support		859,529	849,419	874,901	901,149	937,311	965,694	995,179	1,025,519	1,056,539	1,088,491	1,121,382	1,155,272	1,190,168	1,226,094	1,263,108
Subtotal		35,293,691	34,878,566	35,924,923	37,002,671	38,487,581	39,653,030	40,863,732	42,109,534	43,383,284	44,695,283	46,045,834	47,437,415	48,870,286	50,345,491	51,865,350
ALLOCATED COSTS																
Treatment Headquarters		204,489	202,084	208,147	214,391	222,995	229,747	236,762	243,980	251,360	258,962	266,787	274,849	283,151	291,699	300,505
Machine Shops		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.		2,248,118	2,221,676	2,288,326	2,356,976	2,451,561	2,525,797	2,602,916	2,682,270	2,763,405	2,846,976	2,933,002	3,021,642	3,112,913	3,206,879	3,303,691
Mtls. Management		822,600	812,925	837,312	862,432	897,041	924,204	952,423	981,459	1,011,147	1,041,726	1,073,203	1,105,637	1,139,034	1,173,417	1,208,840
Customer Service		670,442	662,557	682,433	702,906	731,114	753,253	776,252	799,917	824,113	849,036	874,691	901,126	928,345	956,368	985,239
Warranty Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop		1,184,543	1,170,610	1,205,728	1,241,900	1,266,523	1,171,195	1,040,749	989,716	1,023,206	1,057,200	1,093,544	1,130,478	1,167,959	1,208,713	1,248,742
Automotive Maintenance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs		5,130,193	5,069,851	5,221,947	5,378,605	5,569,233	5,604,197	5,609,101	5,697,341	5,873,230	6,053,899	6,241,228	6,433,733	6,631,402	6,837,076	7,047,017
Total Class		40,423,884	39,948,418	41,146,870	42,381,276	44,056,814	45,257,227	46,472,833	47,806,875	49,256,514	50,749,182	52,287,061	53,871,148	55,501,689	57,182,566	58,912,367
CHECK		40,423,884	39,948,418	41,146,870	42,381,277	44,056,814	45,257,228	46,472,833	47,806,875	49,256,514	50,749,182	52,287,062	53,871,149	55,501,688	57,182,566	58,912,366
O&M Allocation - Power - WASTEWATER																
DIRECT SEWER	ADJUSTED FOR SEWER LIQUIDATED ENCUMBRANCE FACTOR															
Biosolids Engr Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing		127,280	131,651	131,614	131,567	135,181	138,551	142,011	145,548	149,160	152,864	156,660	160,552	164,541	168,631	172,823
NEWPCP		254,561	263,301	263,228	263,134	270,362	277,102	284,022	291,095	298,321	305,727	313,320	321,103	329,083	337,262	345,647
SWWPCP		461,392	477,233	477,100	476,931	490,031	502,247	514,790	527,610	540,706	554,131	567,893	582,000	596,462	611,287	626,485
SEWPCP		133,644	138,233	138,195	138,145	141,940	145,479	149,112	152,825	156,618	160,507	164,493	168,579	172,768	177,062	181,465
Industrial Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Maintenance		63,640	65,825	65,807	65,784	67,590	69,276	71,005	72,774	74,580	76,432	78,330	80,276	82,271	84,315	86,412
Inlet Cleaning		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interceptors/Flow Control		445,482	460,777	460,648	460,485	473,133	484,929	497,038	509,417	522,061	535,023	548,310	561,931	575,894	590,208	604,882
Data & Flow Control		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		1,486,000	1,537,020	1,536,591	1,536,045	1,578,237	1,617,583	1,657,978	1,699,268	1,741,446	1,784,683	1,829,006	1,874,441	1,921,019	1,968,766	2,017,713
ALLOCATED COSTS																
Treatment Headquarters		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machine Shops		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.		7,617,736	7,879,283	7,877,088	7,874,287	8,090,575	8,292,277	8,499,357	8,711,025	8,927,242	9,148,889	9,376,101	9,609,018	9,847,794	10,092,559	10,343,481
Mtls. Management		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Service		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Automotive Maintenance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs		7,617,736	7,879,283	7,877,088	7,874,287	8,090,575	8,292,277	8,499,357	8,711,025	8,927,242	9,148,889	9,376,101	9,609,018	9,847,794	10,092,559	10,343,481
Total Class		9,103,736	9,416,303	9,413,679	9,410,333	9,668,812	9,909,860	10,157,335	10,410,294	10,668,688	10,933,572	11,205,107	11,483,459	11,768,813	12,061,325	12,361,194
CHECK		9,103,736	9,416,303	9,413,679	9,410,333	9,668,812	9,909,861	10,157,335	10,410,293	10,668,688	10,933,572	11,205,107	11,483,459	11,768,813	12,061,325	12,361,194
O&M Allocation - CLASS 200 Excl. POWER																
DIRECT SEWER	ADJUSTED FOR SEWER LIQUIDATED ENCUMBRANCE FACTOR															
Biosolids Engr Services		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing		18,155,705	17,749,304	18,099,246	18,454,668	19,340,066	19,985,645	20,697,743	21,442,289	22,207,600	22,999,630	23,818,984	24,666,861	25,544,412	26,452,457	27,392,169
NEWPCP		7,771,541	7,597,581	7,747,374	7,899,512	8,278,506	8,554,846	8,859,659	9,178,362	9,505,952	9,844,981	10,195,705	10,558,638	10,934,274	11,322,962	11,725,205
SWWPCP		2,113,682	2,066,369	2,107,109	2,148,487	2,251,565	2,326,723	2,409,626	2,496,306	2,585,403	2,677,611	2,773,000	2,871,709	2,973,874	3,079,588	3,188,989
SEWPCP		721,511	705,361	719,268	733,392	768,578	794,234	822,533	852,121	882,535	914,010	946,571	980,266	1,015,140	1,051,226	1,088,570
Industrial Waste		45,693	44,670	45,551	46,446	48,674	50,299	52,091	53,965	55,891	57,884	59,946	62,080	64,289	66,574	68,939
Sewer Maintenance		2,214,871	2,165,293	2,207,983	2,251,342	2,359,355	2,438,111	2,524,982	2,615,811	2,709,174	2,805,796	2,905,752	3,009,187	3,116,242	3,227,017	3,341,656
Inlet Cleaning		33,459	32,710	33,355	34,010	35,642	36,832	38,144	39,516	40,927	42,386	43,896	45,459	47,076	48,749	50,481
Interceptors/Flow Control		2,647,999	2,588,725	2,639,764	2,691,602	2,820,737	2,914,894	3,018,753	3,127,345	3,238,965	3,354,482	3,473,985	3,597,647	3,725,637	3,858,075	3,995,132
Data & Flow Control		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support		6,043	5,908	6,025	6,143	6,438	6,652	6,889	7,137	7,392	7,656	7,928	8,211	8,503	8,805	9,118
Subtotal		33,710,505	32,955,921	33,605,675	34,265,602	35,909,561	37,108,236	38,430,420	39,812,852	41,233,838	42,704,436	44,225,767	45,800,058	47,429,446	49,115,453	50,860,259

ALLOCATED COSTS															
Treatment Headquarters	96,914	94,745	96,613	98,510	103,236	106,682	110,483	114,458	118,543	122,771	127,144	131,670	136,354	141,201	146,218
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	2,608,496	2,550,107	2,600,384	2,651,449	2,778,658	2,871,410	2,973,720	3,080,692	3,190,647	3,304,440	3,422,160	3,543,978	3,670,059	3,800,521	3,935,533
Mtls. Management	82,911	81,055	82,653	84,276	88,320	91,268	94,520	97,920	101,415	105,032	108,774	112,646	116,653	120,800	125,091
Customer Service	1,365,271	1,334,710	1,361,025	1,387,752	1,454,332	1,502,878	1,556,427	1,612,415	1,669,965	1,729,524	1,791,137	1,854,896	1,920,886	1,989,169	2,059,833
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	819,899	801,547	817,350	833,400	818,822	643,337	368,837	229,350	240,691	252,543	264,924	278,360	291,892	306,563	321,901
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	4,973,491	4,862,164	4,958,025	5,055,388	5,243,368	5,215,576	5,103,987	5,134,834	5,321,260	5,514,310	5,714,139	5,921,549	6,135,844	6,358,254	6,588,576
Total Class	38,683,997	37,818,085	38,563,700	39,320,990	41,152,929	42,323,812	43,534,407	44,947,687	46,555,098	48,218,746	49,939,906	51,721,607	53,565,290	55,473,707	57,448,835
CHECK	38,683,996	37,818,085	38,563,700	39,320,990	41,152,929	42,323,812	43,534,407	44,947,687	46,555,098	48,218,746	49,939,906	51,721,607	53,565,290	55,473,707	57,448,834

O&M Allocation - CHEMICALS

DIRECT SEWER	ADJUSTED FOR SEWER LIQUIDATED ENCUMBRANCE FACTOR														
Biosolids Engr Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWPCP	667,406	623,091	643,473	664,471	681,501	700,439	723,313	746,885	771,162	796,233	822,126	848,866	876,444	904,962	934,374
SWWPCP	398,900	372,413	384,595	397,146	407,324	418,643	432,315	446,403	460,913	475,898	491,373	507,355	523,838	540,883	558,463
SEWPCP	386,032	360,399	372,189	384,334	394,184	405,138	418,369	432,003	446,045	460,546	475,523	490,989	506,940	523,436	540,448
Industrial Waste	2,659	2,483	2,564	2,648	2,715	2,791	2,882	2,976	3,073	3,173	3,276	3,382	3,492	3,606	3,723
Sewer Maintenance	8,836	8,249	8,519	8,797	9,022	9,273	9,576	9,888	10,209	10,541	10,884	11,238	11,603	11,981	12,370
Inlet Cleaning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interceptors/Flow Control	1,289,347	1,203,734	1,243,111	1,283,677	1,316,576	1,353,162	1,397,352	1,442,889	1,489,789	1,538,225	1,588,245	1,639,904	1,693,181	1,748,275	1,805,096
Data & Flow Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	2,753,180	2,570,369	2,654,451	2,741,073	2,811,322	2,889,448	2,983,807	3,081,043	3,181,191	3,284,616	3,391,427	3,501,734	3,615,499	3,733,143	3,854,475
ALLOCATED COSTS															
Treatment Headquarters	858	801	827	854	876	900	930	960	991	1,023	1,057	1,091	1,127	1,163	1,201
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtls. Management	17,157	16,018	16,542	17,082	17,519	18,006	18,594	19,200	19,824	20,469	21,134	21,822	22,531	23,264	24,020
Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	-	-	-	-	95,042	149,001	157,121	165,601	174,453	183,707	193,379	203,488	214,605	225,659	237,797
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	18,015	16,819	17,369	17,936	113,437	167,907	176,645	185,761	195,268	205,199	215,570	226,401	238,262	250,086	263,018
Total Class	2,771,195	2,587,187	2,671,820	2,759,009	2,924,760	3,057,355	3,160,452	3,266,805	3,376,459	3,489,815	3,606,997	3,728,135	3,853,761	3,983,229	4,117,493
CHECK	2,771,195	2,587,188	2,671,820	2,759,009	2,924,760	3,057,355	3,160,452	3,266,805	3,376,459	3,489,815	3,606,997	3,728,135	3,853,761	3,983,229	4,117,492

O&M Allocation - CLASS 300 Excl. CHEMICALS

DIRECT SEWER	ADJUSTED FOR SEWER LIQUIDATED ENCUMBRANCE FACTOR														
Biosolids Engr Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing	34,877	35,677	36,381	37,095	39,686	40,730	41,552	42,393	43,246	44,117	45,005	45,912	46,840	47,786	48,752
NEWPCP	1,294,649	1,324,336	1,350,447	1,376,966	1,473,146	1,511,898	1,542,399	1,573,617	1,605,285	1,637,634	1,670,591	1,704,253	1,738,717	1,773,827	1,809,681
SWWPCP	789,624	807,731	823,656	839,830	898,492	922,127	940,731	959,771	979,086	998,815	1,018,917	1,039,448	1,060,468	1,081,882	1,103,749
SEWPCP	980,752	1,003,242	1,023,021	1,043,111	1,115,971	1,145,328	1,168,434	1,192,083	1,216,073	1,240,578	1,265,545	1,291,045	1,317,153	1,343,750	1,370,911
Industrial Waste	32,575	33,322	33,979	34,647	37,067	38,042	38,809	39,595	40,392	41,206	42,035	42,882	43,749	44,632	45,535
Sewer Maintenance	492,050	503,333	513,257	523,336	559,891	574,619	586,211	598,076	610,112	622,407	634,933	647,727	660,825	674,169	687,796
Inlet Cleaning	81,055	82,914	84,548	86,209	92,230	94,657	96,566	98,521	100,503	102,529	104,592	106,699	108,857	111,055	113,300
Interceptors/Flow Control	469,101	479,858	489,319	498,928	533,777	547,819	558,870	570,182	581,656	593,378	605,319	617,516	630,004	642,726	655,717
Data & Flow Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support	1,465	1,498	1,528	1,558	1,667	1,711	1,745	1,780	1,816	1,853	1,890	1,928	1,967	2,007	2,048
Subtotal	4,176,149	4,271,912	4,356,136	4,441,679	4,751,926	4,876,929	4,975,318	5,076,019	5,178,170	5,282,516	5,388,828	5,497,411	5,608,581	5,721,834	5,837,489
ALLOCATED COSTS															
Treatment Headquarters	2,825	2,890	2,947	3,005	3,215	3,299	3,366	3,434	3,503	3,574	3,645	3,719	3,794	3,871	3,949
Machine Shops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.	274,171	280,458	285,988	291,604	311,972	320,179	326,638	333,249	339,956	346,806	353,786	360,914	368,213	375,648	383,241
Mtls. Management	2,662,191	2,723,238	2,776,928	2,831,460	3,029,235	3,108,921	3,171,642	3,235,836	3,300,955	3,367,473	3,435,244	3,504,463	3,575,331	3,647,527	3,721,254
Customer Service	11,510	11,773	12,006	12,241	13,096	13,441	13,712	13,990	14,271	14,559	14,852	15,151	15,457	15,769	16,088
Warranty Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop	45,689	46,737	47,659	48,594	51,989	53,356	54,433	55,534	56,652	57,794	58,957	60,145	61,361	62,600	63,865
Automotive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs	2,996,386	3,065,096	3,125,527	3,186,904	3,409,506	3,499,196	3,569,790	3,642,043	3,715,336	3,790,205	3,866,483	3,944,392	4,024,156	4,105,415	4,188,398
Total Class	7,172,535	7,337,008	7,481,663	7,628,583	8,161,433	8,376,125	8,545,109	8,718,061	8,893,506	9,072,720	9,255,311	9,441,803	9,632,738	9,827,250	10,025,886
CHECK	7,172,535	7,337,008	7,481,663	7,628,584	8,161,433	8,376,125	8,545,109	8,718,062	8,893,506	9,072,721	9,255,311	9,441,803	9,632,738	9,827,250	10,025,886

O&M Allocation - CLASS 400																	
DIRECT SEWER																	
Biosolids Engr Services			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Utilization			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biosolids Processing			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWPCP			143,803	141,160	144,336	147,583	166,232	170,217	174,278	178,418	182,637	186,938	191,322	195,792	200,349	204,996	209,733
SWWPCP			128,202	125,845	128,677	131,572	148,197	151,750	155,371	159,061	162,822	166,657	170,566	174,550	178,613	182,755	186,979
SEWPCP			114,635	112,528	115,060	117,649	132,515	135,692	138,929	142,229	145,593	149,021	152,516	156,079	159,712	163,416	167,193
Industrial Waste			3,392	3,329	3,404	3,481	3,921	4,015	4,110	4,208	4,307	4,409	4,512	4,618	4,725	4,835	4,947
Sewer Maintenance			32,898	32,294	33,020	33,763	38,029	38,941	39,870	40,817	41,782	42,766	43,769	44,792	45,835	46,898	47,981
Inlet Cleaning			20,010	19,642	20,084	20,536	23,131	23,686	24,251	24,827	25,414	26,013	26,623	27,245	27,879	28,525	29,185
Interceptors/Flow Control			8,818	8,656	8,851	9,050	10,193	10,438	10,687	10,941	11,199	11,463	11,732	12,006	12,286	12,570	12,861
Data & Flow Control			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collector System Support			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			451,759	443,454	453,432	463,634	522,219	534,738	547,496	560,500	573,755	587,267	601,040	615,082	629,399	643,995	658,879
ALLOCATED COSTS																	
Treatment Headquarters			1,696	1,665	1,702	1,740	1,960	2,007	2,055	2,104	2,154	2,204	2,256	2,309	2,363	2,417	2,473
Machine Shops			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operations Admin.			36,629	35,956	36,765	37,592	42,342	43,357	44,392	45,446	46,521	47,616	48,733	49,872	51,032	52,216	53,423
Mtls. Management			678	666	681	696	784	803	822	842	861	882	902	924	945	967	989
Customer Service			5,766	5,660	5,787	5,917	6,665	6,825	6,988	7,154	7,323	7,495	7,671	7,850	8,033	8,219	8,409
Warranty Program			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meter Shop			3,731	3,662	3,745	3,829	4,313	4,416	4,521	4,629	4,738	4,850	4,964	5,080	5,198	5,318	5,441
Automotive Maintenance			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Allocated Costs			48,500	47,608	48,679	49,775	56,064	57,408	58,778	60,174	61,597	63,047	64,526	66,034	67,571	69,138	70,735
Total Class			500,258	491,062	502,111	513,409	578,283	592,146	606,274	620,674	635,352	650,314	665,566	681,116	696,969	713,133	729,614
CHECK			500,258	491,062	502,111	513,409	578,283	592,146	606,274	620,675	635,352	650,314	665,567	681,116	696,969	713,133	729,614
Wholesale Customer Units of Service																	
Wholesale Customer Units of Service																	
Abington																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	97,815	102,068	100,091	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Capacity (cfs)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Suspended Solids (1,000 lbs)	1,119	1,167	1,068	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
BOD (1,000 lbs)	949	989	1,295	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity (cfs)	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	503,000	503,000	503,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000	527,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Lower Southampton																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	244,778	310,188	255,403	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000
Capacity (cfs)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Suspended Solids (1,000 lbs)	4,991	2,436	2,427	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
BOD (1,000 lbs)	3,293	2,223	2,139	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity (cfs)	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	1,150,000	1,254,000	1,357,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000	1,397,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Bensalem																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	170,990	180,864	171,935	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
Capacity (cfs)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Suspended Solids (1,000 lbs)	2,316	2,204	2,189	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240
BOD (1,000 lbs)	2,218	2,525	2,697	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity (cfs)	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000	93,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

DELCORA																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	1,113,594	1,292,169	1,110,372	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Capacity (cfs)	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
Suspended Solids (1,000 lbs)	12,443	14,026	12,729	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100	13,100
BOD (1,000 lbs)	10,302	11,783	11,305	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100	11,100
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.1331	1.2245	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626	1.2626
Capacity (cfs)	4,907	5,262	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365
Suspended Solids (1,000 lbs)	155.8293	171.2878	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959	179.7959
BOD (1,000 lbs)	174.4212	189.5825	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219	199.1219
Lump Sum Charge	43,000	43,000	43,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000	437,000
Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Bucks County																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	815,278	945,440	846,849	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000
Capacity (cfs)	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Suspended Solids (1,000 lbs)	7,640	9,887	11,614	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700
BOD (1,000 lbs)	9,024	9,067	10,732	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity (cfs)	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000	185,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Lower Merion																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	349,400	366,882	357,220	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000
Capacity (cfs)	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Suspended Solids (1,000 lbs)	3,653	3,830	3,718	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
BOD (1,000 lbs)	3,172	3,310	3,208	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.1690	1.2633	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026
Capacity (cfs)	5,018	5,382	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487
Suspended Solids (1,000 lbs)	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871
BOD (1,000 lbs)	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492
Lump Sum Charge	126,000	127,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Cheltenham																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	411,325	281,173	356,825	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Capacity (cfs)	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Suspended Solids (1,000 lbs)	3,600	2,522	3,135	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
BOD (1,000 lbs)	3,121	2,182	2,726	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.2610	1.3815	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478	1.4478
Capacity (cfs)	4,513	4,870	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993	4,993
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000	1,119,000
Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Springfield (excl. Wyndmoor)																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	148,680	176,441	142,622	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000
Capacity (cfs)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Suspended Solids (1,000 lbs)	1,527	1,727	1,845	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700
BOD (1,000 lbs)	2,050	1,757	1,598	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.4749	1.5786	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272	1.6272
Capacity (cfs)	10,146	10,870	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135	11,135
Suspended Solids (1,000 lbs)	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871
BOD (1,000 lbs)	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492
Lump Sum Charge	388,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000	389,000
Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Lower Moreland																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	53,690	63,271	57,771	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200	58,200
Capacity (cfs)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Suspended Solids (1,000 lbs)	548	647	593	600	600	600	600	600	600	600	600	600	600	600	600	600	600

BOD (1,000 lbs)	412	486	447	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.3415	1.4676	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385	1.5385
Capacity (cfs)	8,712	9,378	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591	9,591
Suspended Solids (1,000 lbs)	160.6960	176.9354	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307	186.3307
BOD (1,000 lbs)	176.7907	192.5663	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057	201.1057
Lump Sum Charge	286,000	286,000	286,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000	301,000
Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Upper Darby																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	437,580	509,725	463,520	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000	470,000
Capacity (cfs)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Suspended Solids (1,000 lbs)	4,259	4,961	4,511	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600
BOD (1,000 lbs)	3,631	4,229	3,846	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.1690	1.2633	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026	1.3026
Capacity (cfs)	5,018	5,382	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487	5,487
Suspended Solids (1,000 lbs)	158.5951	174.3280	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871	182.9871
BOD (1,000 lbs)	175.3211	190.5606	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492	200.1492
Lump Sum Charge	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000
Management Fee	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Springfield (Wyndmoor)																	
Units of Service																	
O&M Charges																	
Volume (Mcf)	18,475	19,785	18,388	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000
Capacity (cfs)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Suspended Solids (1,000 lbs)	106	112	160	130	130	130	130	130	130	130	130	130	130	130	130	130	130
BOD (1,000 lbs)	85	89	122	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Existing Rates Unit Charge $/Unit																	
O&M Charges																	
Volume (Mcf)	1.7579	1.8977	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608	1.9608
Capacity (cfs)	11,938	12,748	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951
Suspended Solids (1,000 lbs)	229.6040	250.9098	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507	261.4507
BOD (1,000 lbs)	118.1136	128.1883	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719	133.4719
Lump Sum Charge	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000	138,000
Management Fee	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%
Other Revenue Requirements																	
Deposit From (To) RSF			11,353,000	(7,590,000)	(13,258,000)	(19,062,000)	6,918,000	(2,353,000)	(1,353,000)	5,872,000	1,145,000	2,608,000	-	-	-	-	-
Residual Fund Deposit			10,490,000	21,555,000	32,706,000	37,209,000	36,797,000	39,900,000	43,450,000	46,559,000	49,657,000	49,986,000	56,535,000	60,079,000	64,032,000	66,625,000	70,190,000
Total Operating Expense from COS Table ($)			245,701,106	243,138,981	253,896,418	267,473,242	298,659,289	312,465,837	324,789,438	343,671,423	351,475,465	362,763,513	376,718,849	390,687,283	405,400,681	419,166,255	434,507,601
Sewer Dept. Liq. Encumberances			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Liquidated Encumbrances			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual Increase in O&M																	
Class 100				-1.18%	3.00%	3.00%	3.95%	2.72%	2.69%	2.87%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%	3.03%
Class 200, 300, & 400				-1.00%	1.71%	1.70%	4.79%	2.84%	2.71%	2.97%	3.19%	3.19%	3.19%	3.19%	3.19%	3.20%	3.20%
Estimated Test Year Cost of Service - Sewer																	
O&M			245,701,106	243,138,981	253,896,418	267,473,242	298,659,289	312,465,837	324,789,438	343,671,423	351,475,465	362,763,513	376,718,849	390,687,283	405,400,681	419,166,255	434,507,601
Total			390,650,815	390,696,027	412,303,508	434,513,141	455,879,221	478,504,190	504,144,525	532,395,906	552,086,647	555,810,186	586,245,944	620,124,949	654,106,258	675,596,932	720,687,565
Test Year Projected Townships Receipts			33,221,384	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385
Sewer Liq. Encumb.			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clean Streams Grant			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Op/Non-op Revenue			12,726,856	10,797,772	10,521,104	1,488,261	13,670,781	622,052	149,737	(408,063)	(931,224)	(1,286,300)	(1,919,753)	(2,609,092)	(3,298,432)	(3,987,771)	(4,957,110)
Interest on Op Funds			439,000	422,000	393,000	326,000	380,000	370,000	369,000	402,000	407,000	425,000	434,000	436,000	440,000	446,000	446,000
Allocated Water Revenue Bureau Costs (Excluding Class 500)																	
Test Year Allocated Water Revenue Bureau Costs (Excluding Class 500) - Water																	
Water Revenue Bureau																	
Meter Reading																	

All Other		4,971,755	4,986,429	5,119,213	5,255,643	5,862,133	6,043,575	6,230,659	6,423,552	6,622,762	6,828,134	7,039,855	7,258,113	7,483,442	7,716,043	7,955,793
Total Water Revenue Bureau - Water		4,971,755	4,986,429	5,119,213	5,255,643	5,862,133	6,043,575	6,230,659	6,423,552	6,622,762	6,828,134	7,039,855	7,258,113	7,483,442	7,716,043	7,955,793
CHECK		4,972,180	4,986,831	5,119,614	5,256,046	5,862,535	6,043,976	6,231,061	6,423,954	6,623,164	6,828,536	7,040,257	7,258,515	7,483,843	7,716,445	7,956,195
Test Year Allocated Water Revenue Bureau Costs (Excluding Class 500) - Wastewater																
Water Revenue Bureau																
Meter Reading																
All Other		4,956,870	4,971,500	5,103,886	5,239,908	5,844,582	6,025,481	6,212,004	6,404,319	6,602,933	6,807,691	7,018,777	7,236,382	7,461,036	7,692,941	7,931,973
Total Water Revenue Bureau - Wastewater		4,956,870	4,971,500	5,103,886	5,239,908	5,844,582	6,025,481	6,212,004	6,404,319	6,602,933	6,807,691	7,018,777	7,236,382	7,461,036	7,692,941	7,931,973
CHECK																
Test Year Allocated Water Revenue Bureau Costs (Excluding Class 500) - Stormwater																
Water Revenue Bureau																
Meter Reading																
All Other		4,956,870	4,971,500	5,103,886	5,239,908	5,844,582	6,025,481	6,212,004	6,404,319	6,602,933	6,807,691	7,018,777	7,236,382	7,461,036	7,692,941	7,931,973
Total Water Revenue Bureau - Stormwater		4,956,870	4,971,500	5,103,886	5,239,908	5,844,582	6,025,481	6,212,004	6,404,319	6,602,933	6,807,691	7,018,777	7,236,382	7,461,036	7,692,941	7,931,973
Allocated Planning and Engineering Costs (Excluding Class 500)																
Allocated Planning & Engineering Costs (Excluding Class 500) - Water																
Planning & Engineering																
Class 100 - Office of Watersheds		532,159	566,104	583,087	600,580	668,937	696,923	717,836	739,365	761,530	784,390	807,921	832,141	857,113	882,815	909,309
Class 100 - BLS		2,517,961	2,678,574	2,758,931	2,841,699	3,165,139	3,297,556	3,396,505	3,498,375	3,603,248	3,711,414	3,822,752	3,937,351	4,055,511	4,177,119	4,302,478
Class 100 - P&R		1,397,095	1,411,019	1,453,350	1,496,951	1,840,631	1,909,537	1,966,680	2,025,727	2,086,322	2,148,985	2,213,285	2,279,669	2,348,262	2,418,636	2,491,320
Total Class 100		4,447,215	4,655,698	4,795,369	4,939,230	5,674,707	5,904,016	6,081,020	6,263,468	6,451,100	6,644,788	6,843,958	7,049,161	7,260,886	7,478,569	7,703,106
Class 200 - Stormwater Program - Residential		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Stormwater Program - Non-Residential		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 251 - CSO Compliance Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Office of Watersheds		4,547,773	4,560,664	4,654,341	4,750,611	5,083,305	5,255,308	5,432,909	5,617,483	5,809,482	6,008,175	6,213,798	6,426,594	6,646,797	6,874,690	7,110,519
Class 200 - BLS		680,418	682,347	696,362	710,766	760,542	786,276	812,848	840,463	869,189	898,917	929,681	961,519	994,465	1,028,561	1,063,845
Class 200 - All Other (Plant Investment)		1,957,964	1,925,375	1,964,923	2,005,565	2,143,396	2,216,010	2,290,988	2,368,909	2,449,964	2,533,846	2,620,653	2,710,488	2,803,450	2,899,659	2,999,218
Total Class 200		7,186,155	7,168,385	7,315,626	7,466,941	7,987,244	8,257,595	8,536,746	8,826,855	9,128,635	9,440,937	9,764,132	10,098,601	10,444,713	10,802,911	11,173,582
Class 300 - Office of Watersheds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - BLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - P&R		371,186	375,944	383,666	391,602	397,577	405,584	413,718	422,071	430,661	439,420	448,351	457,456	466,739	476,205	485,856
Total Class 300		371,186	375,944	383,666	391,602	397,577	405,584	413,718	422,071	430,661	439,420	448,351	457,456	466,739	476,205	485,856
Class 400 - Office of Watersheds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - BLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - P&R		81,027	177,228	181,215	185,293	189,462	193,725	198,084	202,540	207,098	211,757	216,522	221,394	226,375	231,468	236,676
Total Class 400		81,027	177,228	181,215	185,293	189,462	193,725	198,084	202,540	207,098	211,757	216,522	221,394	226,375	231,468	236,676
Total Planning & Engineering - Water		12,085,583	12,377,255	12,675,876	12,983,066	14,248,990	14,760,920	15,229,567	15,714,934	16,217,494	16,736,903	17,272,962	17,826,612	18,398,713	18,989,154	19,599,221
		excludes le														
CHECK		13,420,307	14,326,829	14,660,366	15,001,978	16,452,314	17,035,908	17,579,392	18,140,940	18,720,726	19,320,078	19,938,889	20,578,196	21,238,987	21,921,216	22,626,322
Allocated Planning & Engineering Costs (Excluding Class 500) - Wastewater																
Planning & Engineering																
Class 100 - Office of Watersheds	2,753,399	3,015,569	3,207,924	3,304,161	3,403,286	3,790,645	3,949,230	4,067,735	4,189,737	4,315,335	4,444,877	4,578,218	4,715,465	4,856,976	5,002,616	5,152,749
Class 100 - BLS	3,448,577	3,776,941	4,017,861	4,138,397	4,262,549	4,747,708	4,946,333	5,094,758	5,247,563	5,404,872	5,567,120	5,734,128	5,906,027	6,083,267	6,265,678	6,453,717
Class 100 - P&R	1,882,619	2,095,642	2,116,529	2,180,025	2,245,426	2,760,946	2,864,306	2,950,020	3,038,591	3,129,483	3,223,477	3,319,927	3,419,504	3,522,392	3,627,954	3,736,980
Total Class 100	8,084,595	8,888,153	9,342,314	9,622,584	9,911,261	11,299,299	11,759,870	12,112,512	12,475,890	12,849,689	13,235,474	13,632,273	14,040,996	14,462,636	14,896,248	15,343,446
Class 200 Stormwater Program - Residential	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Stormwater Program - Non-Residential	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	413,667	461,421	465,260	474,433	483,749	521,296	538,826	556,990	575,752	595,120	615,167	635,916	657,393	679,623	702,631	726,447
Class 251 - CSO Compliance Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Office of Watersheds	6,242,232	6,962,844	7,020,771	7,159,191	7,299,779	7,866,358	8,130,878	8,404,983	8,688,094	8,980,359	9,282,868	9,595,977	9,920,057	10,255,507	10,602,707	10,962,086
Class 200 - BLS	933,936	1,041,750	1,050,417	1,071,127	1,092,161	1,176,930	1,216,507	1,257,517	1,299,875	1,343,602	1,388,862	1,435,708	1,484,196	1,534,384	1,586,331	1,640,100
Class 200 - All Other (Plant Investment)	2,642,239	2,997,730	2,963,958	3,022,395	3,081,747	3,316,882	3,428,555	3,544,273	3,663,795	3,787,181	3,914,892	4,047,077	4,183,895	4,325,513	4,472,091	4,623,810
Total Class 200	10,232,074	11,463,746	11,500,406	11,727,146	11,957,436	12,881,466	13,314,765	13,763,763	14,227,515	14,706,262	15,201,788	15,714,679	16,245,541	16,795,027	17,363,760	17,952,443
Class 300 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - P&R	672,741	655,113	709,641	723,834	738,310	753,076	768,138	783,501	799,171	815,154	831,457	848,086	865,048	882,349	899,996	917,996
Total Class 300	672,741	655,113	709,641	723,834	738,310	753,076	768,138	783,501	799,171	815,154	831,457	848,086	865,048	882,349	899,996	917,996
Class 400 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Class 400 - P&R	350,545	121,541	265,842	271,823	277,939	284,193	290,587	297,125	303,811	310,646	317,636	324,783	332,090	339,562	347,203	355,015
Total Class 400	350,545	121,541	265,842	271,823	277,939	284,193	290,587	297,125	303,811	310,646	317,636	324,783	332,090	339,562	347,203	355,015
Total Planning & Engineering - Wastewater	19,339,955	21,128,553	21,818,202	22,345,386	22,884,946	25,218,034	26,133,360	26,956,901	27,806,387	28,681,752	29,586,356	30,519,821	31,483,676	32,479,575	33,507,207	34,568,899
		excludes le														
CHECK	-	23,894,747	25,508,207	26,112,459	26,731,615	29,321,454	30,375,985	31,343,070	32,342,083	33,373,447	34,439,487	35,540,015	36,676,760	37,851,557	39,064,337	40,317,608
Allocated Planning & Engineering Costs (Excluding Class 500) - Stormwater																
Planning & Engineering																
Class 100 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - P&R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Stormwater Program - Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 Stormwater Program - Non-Residential	789,414	880,545	887,871	905,376	923,155	994,807	1,028,259	1,062,923	1,098,726	1,135,687	1,173,943	1,213,540	1,254,525	1,296,947	1,340,855	1,386,303
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 251 - CSO Compliance Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other (Plant Investment)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 200	789,414	880,545	887,871	905,376	923,155	994,807	1,028,259	1,062,923	1,098,726	1,135,687	1,173,943	1,213,540	1,254,525	1,296,947	1,340,855	1,386,303
Class 300 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - P&R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - Office of Watersheds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - BLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - P&R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Planning & Engineering - Stormwater	789,414	880,545	887,871	905,376	923,155	994,807	1,028,259	1,062,923	1,098,726	1,135,687	1,173,943	1,213,540	1,254,525	1,296,947	1,340,855	1,386,303
		Excludes le														
TOTAL	20,129,369	34,094,681	35,083,328	35,926,638	36,791,167	40,461,831	41,922,538	43,249,392	44,620,047	46,034,933	47,497,202	49,006,323	50,564,813	52,175,235	53,837,216	55,554,423
CHECK	31,397,190	37,315,054	39,835,036	40,772,825	41,733,593	45,773,768	47,411,893	48,922,462	50,483,023	52,094,173	53,759,565	55,478,904	57,254,956	59,090,544	60,985,553	62,943,930
	(11,267,821)	(3,220,373)	(4,751,708)	(4,846,186)	(4,942,426)	(5,311,937)	(5,489,354)	(5,673,070)	(5,862,976)	(6,059,240)	(6,262,362)	(6,472,581)	(6,690,144)	(6,915,309)	(7,148,337)	(7,389,506)
Allocated Finance Costs (Excluding Class 500)																
Test Year Allocated Finance & Admin Costs (Excluding Class 500) - Water																
BEFORE LIQUIDATED ENCUMBRANCES																
Finance & Admin																
Class 100 - xxxxxxxxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other		824,924	799,156	823,130	847,824	896,059	923,017	950,760	979,314	1,008,701	1,038,946	1,070,077	1,102,118	1,135,098	1,169,045	1,203,987
Total Class 100		824,924	799,156	823,130	847,824	896,059	923,017	950,760	979,314	1,008,701	1,038,946	1,070,077	1,102,118	1,135,098	1,169,045	1,203,987
Class 200 - Residential Stormwater Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collection Mains		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)		-	0	0	0	626,464	627,057	627,560	628,072	628,589	629,108	629,624	630,135	630,637	631,127	631,603
Class 200 - Customer (Basis2)		-	-	262,553	334,000	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other		1,828,238	1,431,582	849,141	1,109,418	1,728,211	1,790,392	1,854,541	1,921,016	1,989,889	2,061,235	2,135,129	2,211,652	2,290,883	2,372,907	2,457,810
Total Class 200		1,828,238	1,431,582	1,111,694	1,443,418	2,354,675	2,417,450	2,482,101	2,549,088	2,618,478	2,690,343	2,764,754	2,841,787	2,921,520	3,004,034	3,089,413
Class 2xx - xxxxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 2xx - All Other		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - xxxxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other		8,749	8,446	8,615	8,787	8,963	9,142	9,325	9,512	9,702	9,896	10,094	10,296	10,502	10,712	10,926
Total Class 300		8,749	8,446	8,615	8,787	8,963	9,142	9,325	9,512	9,702	9,896	10,094	10,296	10,502	10,712	10,926
Class 400 - xxxxxxxx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other		-	9,306	9,515	9,729	9,948	10,172	10,401	10,635	10,874	11,119	11,369	11,625	11,886	12,154	12,427
Total Class 400		-	9,306	9,515	9,729	9,948	10,172	10,401	10,635	10,874	11,119	11,369	11,625	11,886	12,154	12,427
Total Finance & Admin - Water		2,661,911	2,248,490	1,952,955	2,309,759	3,269,645	3,359,781	3,452,587	3,548,548	3,647,755	3,750,304	3,856,294	3,965,826	4,079,006	4,195,945	4,316,753
CHECK		2,661,911	2,248,490	1,952,954	2,309,758	3,269,645	3,359,781	3,452,587	3,548,549	3,647,755	3,750,304	3,856,294	3,965,826	4,079,006	4,195,945	4,316,753

AFTER LIQUIDATED ENCUMBRANCES

Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collection Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)	-	0	0	0	496,101	496,638	497,063	497,561	498,143	498,720	499,287	499,844	500,386	500,913	501,421
Class 200 - Customer (Basis2)	-	-	208,748	265,732	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other	1,553,815	1,137,607	675,127	882,658	1,368,581	1,418,016	1,468,901	1,521,836	1,576,945	1,634,026	1,693,142	1,754,355	1,817,725	1,883,327	1,951,221
Total Class 200	1,553,815	1,137,607	883,876	1,148,389	1,864,682	1,914,654	1,965,963	2,019,397	2,075,088	2,132,746	2,192,429	2,254,199	2,318,111	2,384,239	2,452,642
Class 2xx - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 2xx - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	7,436	6,712	6,850	6,991	7,098	7,241	7,386	7,535	7,689	7,845	8,004	8,167	8,333	8,502	8,674
Total Class 300	7,436	6,712	6,850	6,991	7,098	7,241	7,386	7,535	7,689	7,845	8,004	8,167	8,333	8,502	8,674

Allocated Finance & Admin Costs (Excluding Class 500) - Wastewater

BEFORE LIQUIDATED ENCUMBRANCES

Finance & Admin															
Class 100 - xxxxxxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other	1,345,929	1,303,886	1,343,002	1,383,292	1,461,991	1,505,975	1,551,241	1,597,828	1,645,775	1,695,123	1,745,915	1,798,193	1,852,003	1,907,389	1,964,400
Total Class 100	1,345,929	1,303,886	1,343,002	1,383,292	1,461,991	1,505,975	1,551,241	1,597,828	1,645,775	1,695,123	1,745,915	1,798,193	1,852,003	1,907,389	1,964,400
Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)	-	0	0	0	498,324	498,796	499,195	499,603	500,014	500,427	500,838	501,244	501,643	502,033	502,412
Class 200 - Customer (Basis2)	-	-	261,767	333,000	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other	2,982,915	2,335,739	1,385,441	1,810,103	2,819,712	2,921,167	3,025,830	3,134,289	3,246,661	3,363,067	3,483,632	3,608,484	3,737,756	3,871,585	4,010,111
Total Class 200	2,982,915	2,335,739	1,647,208	2,143,103	3,318,036	3,419,962	3,525,025	3,633,892	3,746,675	3,863,494	3,984,470	4,109,728	4,239,400	4,373,618	4,512,523
Class 2xx - xxxxxxxx	13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
Class 2xx - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx	13,598,134	11,450,000	11,450,000	11,450,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	14,274	13,780	14,056	14,337	14,624	14,916	15,215	15,519	15,829	16,146	16,469	16,798	17,134	17,477	17,826
Total Class 300	14,274	13,780	14,056	14,337	14,624	14,916	15,215	15,519	15,829	16,146	16,469	16,798	17,134	17,477	17,826
Class 400 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	15,183	15,525	15,874	16,231	16,597	16,970	17,352	17,742	18,141	18,550	18,967	19,394	19,830	20,276
Total Class 400	-	15,183	15,525	15,874	16,231	16,597	16,970	17,352	17,742	18,141	18,550	18,967	19,394	19,830	20,276
Total Finance & Admin - Wastewater	17,941,252	15,118,589	14,469,791	15,006,607	19,810,882	19,957,450	20,108,451	20,264,590	20,426,022	20,592,905	20,765,403	20,943,687	21,127,930	21,318,314	21,515,025
CHECK	17,941,252	15,118,589	14,469,791	15,006,608	19,810,882	19,957,450	20,108,451	20,264,589	20,426,022	20,592,905	20,765,403	20,943,686	21,127,931	21,318,314	21,515,026

AFTER LIQUIDATED ENCUMBRANCES

Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collection Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)	-	0	0	0	407,119	407,477	407,793	408,087	408,352	408,621	408,890	409,159	409,424	409,685	409,938
Class 200 - Customer (Basis2)	-	-	213,420	271,400	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other	2,587,640	1,904,872	1,129,557	1,475,262	2,303,642	2,386,366	2,471,802	2,560,162	2,651,488	2,746,094	2,844,082	2,945,558	3,050,632	3,159,411	3,272,015
Total Class 200	2,587,640	1,904,872	1,342,977	1,746,663	2,710,761	2,793,843	2,879,595	2,968,250	3,059,840	3,154,715	3,252,973	3,354,717	3,460,056	3,569,096	3,681,953
Class 2xx - xxxxxxxx	11,796,207	9,337,849	9,335,247	9,331,928	12,254,665	12,253,834	12,253,506	12,252,359	12,250,220	12,248,166	12,246,194	12,244,301	12,242,499	12,240,765	12,239,117
Class 2xx - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx	11,796,207	9,337,849	9,335,247	9,331,928	12,254,665	12,253,834	12,253,506	12,252,359	12,250,220	12,248,166	12,246,194	12,244,301	12,242,499	12,240,765	12,239,117
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	12,383	11,238	11,460	11,685	11,947	12,186	12,429	12,676	12,928	13,184	13,445	13,712	13,984	14,262	14,545
Total Class 300	12,383	11,238	11,460	11,685	11,947	12,186	12,429	12,676	12,928	13,184	13,445	13,712	13,984	14,262	14,545

Allocated Finance & Admin Costs (Excluding Class 500) - Stormwater

BEFORE LIQUIDATED ENCUMBRANCES

Finance & Admin

Class 100 - xxxxxxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)	-	0	0	0	298,994	299,277	299,517	299,762	300,008	300,256	300,503	300,746	300,986	301,220	301,447
Class 200 - Customer (Basis2)	-	-	261,767	333,000	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 200	-	0	261,767	333,000	298,994	299,277	299,517	299,762	300,008	300,256	300,503	300,746	300,986	301,220	301,447
Class 2xx - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 2xx - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Finance & Admin - Stormwater	-	0	261,767	333,000	298,994	299,277	299,517	299,762	300,008	300,256	300,503	300,746	300,986	301,220	301,447

AFTER LIQUIDATED ENCUMBRANCES

Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collection Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Green Initiatives (LTCP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Customer (Grants)	-	0	0	0	244,272	244,486	244,676	244,852	245,011	245,172	245,334	245,495	245,655	245,811	245,963
Class 200 - Customer (Basis2)	-	-	213,420	271,400	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 200	-	0	213,420	271,400	244,272	244,486	244,676	244,852	245,011	245,172	245,334	245,495	245,655	245,811	245,963
Class 2xx - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 2xx - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 2xx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Allocated Public Affairs Costs (Excluding Class 500)

Allocated Public Affiars Costs (Excluding Class 500) - Water

BEFORE LIQUIDATED ENCUMBRANCES

Public Affairs															
Class 100 - xxxxxxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other	1,322,034	1,327,188	1,367,004	1,408,014	1,503,254	1,548,262	1,594,575	1,642,232	1,691,274	1,742,242	1,794,680	1,848,630	1,904,139	1,961,253	2,020,021
Total Class 100	1,322,034	1,327,188	1,367,004	1,408,014	1,503,254	1,548,262	1,594,575	1,642,232	1,691,274	1,742,242	1,794,680	1,848,630	1,904,139	1,961,253	2,020,021
Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Volume	1,773,184	1,807,991	1,844,151	1,881,034	1,946,870	2,015,010	2,085,536	2,158,529	2,234,078	2,312,271	2,393,200	2,476,962	2,563,656	2,653,384	2,746,252
Class 200 - All Other - A&G Customer	1,256,098	1,280,754	1,306,370	1,332,497	1,379,134	1,427,404	1,477,363	1,529,071	1,582,588	1,637,979	1,695,308	1,754,644	1,816,056	1,879,618	1,945,405
Class 200 - All Other - A&G	727,117	741,389	756,217	771,341	798,338	826,280	855,200	885,132	916,112	948,176	981,362	1,015,709	1,051,259	1,088,053	1,126,135
Total Class 200	3,756,399	3,830,135	3,906,737	3,984,872	4,124,342	4,268,694	4,418,099	4,572,732	4,732,778	4,898,425	5,069,870	5,247,315	5,430,971	5,621,055	5,817,792
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	78,179	96,129	98,051	100,012	102,012	104,053	106,134	108,256	110,421	112,630	114,882	117,180	119,524	121,914	124,352
Total Class 300	78,179	96,129	98,051	100,012	102,012	104,053	106,134	108,256	110,421	112,630	114,882	117,180	119,524	121,914	124,352
Class 400 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214	6,354	6,497	6,643	6,792	6,945	7,102	7,261
Total Class 400	6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214	6,354	6,497	6,643	6,792	6,945	7,102	7,261
Total Public Affairs - Water	5,163,490	5,258,889	5,377,352	5,498,583	5,735,422	5,926,953	6,124,885	6,329,435	6,540,827	6,759,794	6,986,075	7,219,918	7,461,579	7,711,324	7,969,427

AFTER LIQUIDATED ENCUMBRANCES

Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Volume	1,507,024	1,436,720	1,466,231	1,496,558	1,541,739	1,595,916	1,651,861	1,709,995	1,770,459	1,833,032	1,897,790	1,964,808	2,034,160	2,105,935	2,180,211
Class 200 - All Other - A&G Customer	1,067,554	1,017,751	1,038,656	1,060,140	1,092,145	1,130,524	1,170,155	1,211,336	1,254,167	1,298,493	1,344,367	1,391,841	1,440,969	1,491,814	1,544,430
Class 200 - All Other - A&G	617,974	589,145	601,246	613,682	632,209	654,425	677,367	701,205	725,999	751,658	778,213	805,694	834,133	863,565	894,023
Total Class 200	3,192,553	3,043,616	3,106,133	3,170,380	3,266,094	3,380,865	3,499,382	3,622,536	3,750,625	3,883,184	4,020,369	4,162,343	4,309,262	4,461,314	4,618,664
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	66,444	76,389	77,958	79,570	80,784	82,411	84,064	85,761	87,507	89,286	91,101	92,951	94,837	96,761	98,722
Total Class 300	66,444	76,389	77,958	79,570	80,784	82,411	84,064	85,761	87,507	89,286	91,101	92,951	94,837	96,761	98,722

Allocated Public Affiars Costs (Excluding Class 500) - Wastewater

BEFORE LIQUIDATED ENCUMBRANCES

Public Affairs															
Class 100 - xxxxxxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other	1,322,034	1,327,188	1,367,004	1,408,014	1,503,254	1,548,262	1,594,575	1,642,232	1,691,274	1,742,242	1,794,680	1,848,630	1,904,139	1,961,253	2,020,021
Total Class 100	1,322,034	1,327,188	1,367,004	1,408,014	1,503,254	1,548,262	1,594,575	1,642,232	1,691,274	1,742,242	1,794,680	1,848,630	1,904,139	1,961,253	2,020,021
Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	423,538	405,988	413,993	422,122	437,948	453,246	469,097	485,470	502,374	519,870	537,978	556,721	576,122	596,202	616,986
Class 200 - All Other - A&G Volume	1,538,215	1,474,476	1,503,546	1,533,072	1,590,549	1,646,107	1,703,675	1,763,138	1,824,530	1,888,072	1,953,840	2,021,911	2,092,370	2,165,296	2,240,780
Class 200 - All Other - A&G Customer	1,089,649	1,044,497	1,065,090	1,086,006	1,126,722	1,166,078	1,206,859	1,248,982	1,292,470	1,337,483	1,384,072	1,432,293	1,482,205	1,533,865	1,587,336
Class 200 - All Other - A&G	630,764	604,627	616,548	628,655	652,225	675,007	698,613	722,997	748,171	774,228	801,196	829,110	858,003	887,907	918,860
Total Class 200	3,682,166	3,529,588	3,599,177	3,669,855	3,807,444	3,940,438	4,078,244	4,220,587	4,367,545	4,519,651	4,677,086	4,840,035	5,008,700	5,183,270	5,363,962
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	67,819	78,396	79,942	81,511	83,342	85,003	86,701	88,426	90,179	91,967	93,792	95,653	97,551	99,488	101,464
Total Class 300	67,819	78,396	79,942	81,511	83,342	85,003	86,701	88,426	90,179	91,967	93,792	95,653	97,551	99,488	101,464
Class 400 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - All Other	6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214	6,354	6,497	6,643	6,792	6,945	7,102	7,261
Total Class 400	6,879	5,437	5,560	5,685	5,813	5,944	6,077	6,214	6,354	6,497	6,643	6,792	6,945	7,102	7,261
Total Public Affairs - Wastewater	5,078,898	4,940,610	5,051,682	5,165,065	5,399,853	5,579,646	5,765,596	5,957,460	6,155,352	6,360,358	6,572,200	6,791,110	7,017,335	7,251,113	7,492,708

AFTER LIQUIDATED ENCUMBRANCES

Class 200 - Residential Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Non-Res Stormwater Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Wastewater Collectoin Mains	367,414	331,097	337,530	344,036	357,794	370,267	383,205	396,543	410,279	424,497	439,212	454,444	470,212	486,531	503,424
Class 200 - All Other - A&G Volume	1,334,382	1,202,483	1,225,849	1,249,477	1,299,443	1,344,741	1,391,733	1,440,174	1,490,059	1,541,694	1,595,140	1,650,459	1,707,723	1,766,992	1,828,345
Class 200 - All Other - A&G Customer	945,257	851,821	868,374	885,112	920,507	952,595	985,883	1,020,198	1,055,536	1,092,114	1,129,974	1,169,161	1,209,726	1,251,712	1,295,173
Class 200 - All Other - A&G	547,180	493,093	502,675	512,364	532,853	551,428	570,697	590,561	611,018	632,191	654,107	676,792	700,273	724,577	749,736
Total Class 200	3,194,232	2,878,494	2,934,428	2,990,989	3,110,597	3,219,031	3,331,519	3,447,477	3,566,893	3,690,496	3,818,433	3,950,857	4,087,933	4,229,813	4,376,677
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	58,832	63,934	65,177	66,433	68,088	69,441	70,826	72,229	73,648	75,095	76,573	78,080	79,618	81,187	82,789
Total Class 300	58,832	63,934	65,177	66,433	68,088	69,441	70,826	72,229	73,648	75,095	76,573	78,080	79,618	81,187	82,789

Allocated Public Affiars Costs (Excluding Class 500) - Stormwater

BEFORE LIQUIDATED ENCUMBRANCES

Public Affairs															
Class 100 - xxxxxxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 100 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - Residential Stormwater Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 - Non-Res Stormwater Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 - Wastewater Collectoin Mains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Customer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 300 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 400 - xxxxxxxx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Class 400 - All Other			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 400			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Affairs - Stormwater			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AFTER LIQUIDATED ENCUMBRANCES																	
Class 200 - Residential Stormwater Program			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 - Non-Res Stormwater Program			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 200 - Wastewater Collectoin Mains			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Volume			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G Customer			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 200 - All Other - A&G			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 200			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class 300 - xxxxxxxx			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class 300 - All Other			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Class 300			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sucharge Loading																	
BOD (1,000 lbs)	14,992	14,103	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688	12,688
TSS (1,000 lbs)	3,691	2,030	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577
Operations Class 200																	
Sewer Liquidated Encumbrance Ratio			86.75%	81.55%	81.53%	81.50%	81.70%	81.69%	81.69%	81.68%	81.67%	81.65%	81.64%	81.63%	81.62%	81.61%	81.59%
Actual/Budget Factors																	
Class 200			88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%
Power			80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%	80.71%
All Other			88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%	88.35%
Sewer Allocation																	
Class 200			78%	77%	77%	77%	77%	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%
Power			48%	46%	46%	46%	46%	46%	46%	46%	46%	46%	46%	46%	46%	46%	46%
All Other			78%	77%	77%	77%	77%	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%
Inflation Factor																	
Class 200			3.0%	2.0%	2.0%	2.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Budget																	
Class 200			65,065,700	65,065,700	65,065,700	65,065,700	64,926,700	64,426,700	63,718,700	63,367,700	63,374,700	63,381,700	63,388,700	63,396,700	63,403,700	63,411,700	63,419,700
Power			27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000	27,845,000
Sewer Misc Revenue																	
Operating			13,165,856	11,219,772	10,914,104	1,814,261	14,050,781	992,052	518,737	(6,063)	(524,224)	(861,300)	(1,485,753)	(2,173,092)	(2,858,432)	(3,541,771)	(4,511,110)
Capital			225,805	232,006	218,151	189,090	164,189	172,144	177,693	186,568	199,320	193,860	206,157	218,283	229,473	231,659	248,933
Stormwater																	
Billable Parcels	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**
Residential	459,293	460,089	460,311	460,215	460,126	460,043	459,964	459,889	459,817	459,817	459,817	459,817	459,817	459,817	459,817	459,817	459,817
Non Residential	74,933	74,247	73,805	73,822	73,839	73,856	73,873	73,890	73,907	73,907	73,907	73,907	73,907	73,907	73,907	73,907	73,907
Condominium	1,613	1,634	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671
Total	535,839	535,970	535,787	535,708	535,636	535,570	535,508	535,450	535,395	535,395	535,395	535,395	535,395	535,395	535,395	535,395	535,395
Billable Impervious Area (1,000 sq ft)																	
Residential	482,019	482,459	482,345	483,290	483,257	483,226	483,197	483,170	483,143	483,143	483,143	483,143	483,143	483,143	483,143	483,143	483,143
Non Residential	650,615	650,280	636,311	627,861	618,205	608,424	598,104	587,714	577,241	577,241	577,241	577,241	577,241	577,241	577,241	577,241	577,241
Condominium	15,174	14,918	16,983	14,685	14,409	14,129	13,830	13,527	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221
Total	1,147,809	1,147,657	1,135,638	1,125,835	1,115,871	1,105,779	1,095,130	1,084,411	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605
Billable Gross Area (1,000 sq ft)																	
Residential	968,021	969,170	969,514	970,812	970,403	970,019	969,654	969,308	968,978	971,256	971,256	971,256	971,256	971,256	971,256	971,256	971,256
Non Residential	1,247,261	1,220,151	1,214,328	1,194,815	1,178,036	1,161,220	1,143,959	1,126,743	1,109,572	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718
Condominium	22,756	22,045	23,111	20,705	20,347	19,987	19,616	19,245	18,875	18,875	18,875	18,875	18,875	18,875	18,875	18,875	18,875
Total	2,238,038	2,211,367	2,206,954	2,186,332	2,168,786	2,151,226	2,133,229	2,115,297	2,097,425	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849
Billable Accounts																	
Residential	460,629	461,459	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716
Non Residential	82,171	81,987	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507
Condominium	3,837	3,951	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046
Total	546,637	547,397	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269

CAP	(2,387)	(4,615)	(4,164)	(3,517)	(3,417)	(3,317)	(3,217)	(3,117)	(3,017)	(2,917)	(2,817)	(2,717)	(2,617)	(2,517)	(2,417)	(2,317)	(2,217)

EXISTING SEWER RATES

Effective Months	6.00	12.00	12.00
Service Charge ($/bill)			
5/8"	$ 6.30	$ 6.36	$ 6.55
3/4"	7.72	7.81	8.04
1"	10.89	11.05	11.39
1 1/4"	14.92	15.16	15.64
1 1/2"	18.32	18.63	19.24
2"	27.86	28.35	29.31
3"	49.41	50.34	52.07
4"	84.67	86.21	89.15
6"	165.86	168.95	174.77
8"	261.21	266.14	275.38
10"	377.67	384.75	398.07
12"	678.16	691.38	715.77
14"	-	-	-
Volume Charge ($/Mcf)			
0 - 2 Mcf	$ 24.74	$ 26.19	$ 28.07
2 - 100 Mcf	24.74	26.19	28.07
100 - 2,000 Mcf	24.74	26.19	28.07
Over 2,000 Mcf	24.74	26.19	28.07
Groundwater Volume Charge ($/Mcf)	$ 9.66	$ 10.13	$ 10.76
Surcharge Rate ($/lb)			
BOD			
SS	$0.310	$0.327	$0.350
	0.292	0.310	0.332

Links to Water and Sewer COS

Water & Sewer Collection Factor

	Water & Sewer - Retail Collection Factors			Water			Sewer		
	Current Year	1st Prior Year	2nd Prior Year	Percent Increase	Months Effective	Service Revenue	Percent Increase	Months Effective	Service Revenue
2013	83.30%	10.05%	2.00%						
2014	84.80%	10.20%	2.35%						
2015	84.80%	10.25%	2.00%	0.00%	6	258,012	0.00%	6	390,651
2016	84.30%	10.00%	2.00%	0.00%	12	258,670	0.00%	12	390,696
2017	84.30%	10.00%	2.00%	5.00%	12	271,928	5.70%	12	412,304
2018	84.30%	10.00%	2.00%	5.00%	12	285,539	5.70%	12	434,513
2019	84.30%	10.00%	2.00%	4.00%	12	297,230	5.20%	12	455,879
2020	84.30%	10.00%	2.00%	4.00%	12	309,681	5.20%	12	478,504
2021	84.30%	10.00%	2.00%	5.50%	12	327,305	5.60%	12	504,145
2022	84.30%	10.00%	2.00%	5.50%	12	345,456	5.60%	12	532,396
2023	84.30%	10.00%	2.00%	5.50%	12	362,242	4.00%	12	552,087
2024	84.30%	10.00%	2.00%	5.50%	12	379,536	1.00%	12	555,810
2025	84.30%	10.00%	2.00%	4.50%	12	394,006	5.80%	12	586,246
2026	84.30%	10.00%	2.00%	4.50%	12	409,047	6.10%	12	620,125
2027	84.30%	10.00%	2.00%	4.50%	12	424,650	5.80%	12	654,106
2028	84.30%	10.00%	2.00%	6.20%	12	448,001	3.60%	12	675,597
2029	84.30%	10.00%	2.00%	5.90%	12	471,280	7.00%	12	720,688

	Stormwater Only- Retail Collection Factors		
	Current Year	1st Prior Year	2nd Prior Year
2013	57.40%	9.87%	3.72%
2014	53.80%	8.70%	2.19%
2015	53.80%	8.70%	2.32%
2016	53.80%	8.70%	2.32%
2017	53.80%	8.70%	2.32%
2018	53.80%	8.70%	2.32%
2019	53.80%	8.70%	2.32%
2020	53.80%	8.70%	2.32%
2021	53.80%	8.70%	2.32%
2022	53.80%	8.70%	2.32%
2023	53.80%	8.70%	2.32%
2024	53.80%	8.70%	2.32%
2025	53.80%	8.70%	2.32%
2026	53.80%	8.70%	2.32%
2027	53.80%	8.70%	2.32%
2028	53.80%	8.70%	2.32%
2029	53.80%	8.70%	2.32%

LINK TEST REFERENCE: GOOD

TEST REFERENCES
SCOS GOOD

Fiscal Year
2014

	Residential	Commercial	Industrial	Public Utilities	Senior Citizens	PHA	harity and Schocospital/Universi	Hand Bill	City Leased	Scheduled	City	Fire Service	Sewer Only
5/8"	409,202	27,936	537	37	19,501	5,743	1,261	44	21	10	2	195	55	48
3/4"	33	15	-	-	-	-	-	-	-	-	-	1	-	1
1"	2,179	2,548	255	27	3	13	334	28	15	5	-	108	8	1
1 1/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	609	1,048	84	10	1	8	163	14	10	5	-	65	3	-
2"	453	1,409	109	19	-	15	256	54	37	10	-	225	9	4
3"	140	497	47	13	-	37	245	88	66	5	-	121	1	1
4"	43	260	13	4	-	20	307	90	71	7	-	57	3	-
6"	12	90	7	6	-	14	34	50	24	-	-	31	1	2
8"	3	18	-	1	-	7	5	6	7	-	-	11	-	2
10"	-	5	-	-	-	-	-	1	3	-	-	14	-	-
12"	-	-	-	-	-	-	-	-	-	-	-	1	-	-
14"	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sewer Billings - Retail

Senior Citizens	2,853	3,270	3,622	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,573	3,539	3,505	3,471	3,437	3,403	3,369
General Service (Residential)	106,388	117,035	122,221	123,421	123,421	123,421	123,559	123,826	124,087	124,099	122,851	121,604	120,470	119,336	118,202	117,068	115,934
General Service (Commercial)	33,300	35,503	39,654	39,131	39,123	39,116	39,191	39,322	39,431	39,468	39,335	39,203	39,070	38,945	38,820	38,695	38,569
General Service (Industrial)	2,198	2,393	2,560	2,588	2,587	2,587	2,593	2,602	2,610	2,613	2,611	2,608	2,606	2,603	2,601	2,598	2,596
General Service (Public Utilities)	271	264	346	319	319	319	319	319	319	319	319	318	318	318	318	318	318
PHA	4,224	4,633	5,262	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079	5,079
Charities & Schools	4,750	4,750	4,611	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783	4,783
Hospital/University	4,961	5,366	5,994	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397	6,397
Hand Bill	12,674	13,929	14,153	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997	13,997
City Leased Properties	133	132	147	137	137	137	137	137	137	137	137	137	137	137	137	137	137
Scheduled	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City	6,124	6,122	5,787	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969	6,969
Fire Service	230	78	74	79	79	79	79	79	79	79	79	79	79	79	79	79	79
Sewer Only	1,351	2,019	1,213	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216	1,216
Groundwater - Non-City	1,500	1,596	2,670	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044
Total	180,957	197,091	208,315	209,772	209,764	209,756	209,974	210,383	210,760	210,812	209,390	207,975	206,671	205,375	204,080	202,784	201,488
Surcharge	5,656	4,252	3,407	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000

Sewer Billings - Wholesale

Abington	1,175,552	1,079,428	1,325,499	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290	1,315,290
Bensalem	1,722,599	1,560,644	1,562,395	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055	1,530,055
Bucks County	6,447,843	6,795,793	7,288,963	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272	6,685,272
Cheltenham	3,257,491	2,878,829	3,216,315	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939	3,191,939
Lower Moreland	654,973	728,027	708,188	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795	727,795
Lower Southampton	2,909,042	2,868,592	3,062,045	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177	3,178,177
DELCORA	6,712,457	7,680,973	7,633,975	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187	8,231,187
Lower Merion	2,390,651	2,594,719	2,295,777	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259	2,294,259
Springfield (less Wyndmoor)	1,467,661	2,051,437	1,489,263	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550	1,536,550
Upper Darby	2,316,463	3,059,522	2,677,516	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565	2,738,565

Springfield (Wyndmoor)	248,596	261,047	287,993	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297	277,297
Total	29,303,329	########	31,547,929	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385	31,706,385
Sewer Billings - Revenue Under Existing Rates																	
Revenue Under Existing Rates			390,651	390,696	390,070	388,913	387,868	386,994	386,109	386,123	385,003	383,762	382,587	381,429	380,275	379,120	377,966
Water - Calculated Service Charge Billings (including adjustment factor)																	
Senior Citizens																	
5/8" Meter			1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174
> 5/8" Meter			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Senior Citizens			1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174	1,174
General Service (Residential)																	
5/8" Meter			31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317
> 5/8" Meter			1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134
Total General Service (Residential)			32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451	32,451
General Service (Commercial)																	
5/8" Meter			2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161	2,161
> 5/8" Meter			2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239	2,239
Total General Service (Commercial)			4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399	4,399
General Service (Industrial)																	
5/8" Meter			42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
> 5/8" Meter			166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
Total General Service (Industrial)			208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
General Service (Public Utilities)																	
5/8" Meter			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
> 5/8" Meter			38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
Total General Service (Public Utilities)			41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
General Service (Excluding Senior Citizens)																	
5/8" Meter			33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524	33,524
> 5/8" Meter			3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576
Total General Service (excluding SC)			37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100	37,100
General Service (Including Senior Citizens)																	
5/8" Meter			34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698	34,698
> 5/8" Meter			3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576
Total General Service (including SC)			38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274	38,274
PHA			537	537	537	537	537	537	537	537	537	537	537	537	537	537	537
Charities & Schools			591	591	591	591	591	591	591	591	591	591	591	591	591	591	591
Hospital/University			279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
Hand Bill			206	206	206	206	206	206	206	206	206	206	206	206	206	206	206
City Leased Properties			37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
Scheduled			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City			434	434	434	434	434	434	434	434	434	434	434	434	434	434	434
Fire Service			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private Fire (Unmetered)			3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184	3,184
Public Fire Charge (Hydrants)			8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162	8,162
Total			51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704	51,704
Water - Calculated Volume Charge Billings (including adjustment factor)																	
Senior Citizens																	
5/8" Meter			3,342	3,324	3,324	3,324	3,324	3,324	3,324	3,324	3,272	3,225	3,178	3,132	3,085	3,038	2,992
> 5/8" Meter			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Senior Citizens			3,343	3,325	3,325	3,325	3,325	3,325	3,325	3,325	3,273	3,226	3,179	3,133	3,086	3,039	2,993
General Service (Residential)																	
5/8" Meter			108,246	108,626	108,626	108,626	108,779	109,085	109,391	109,391	107,708	106,025	104,495	102,965	101,435	99,905	98,375
> 5/8" Meter			13,477	14,624	14,624	14,624	14,656	14,711	14,757	14,773	14,773	14,774	14,774	14,774	14,774	14,774	14,774
Total General Service (Residential)			121,723	123,250	123,250	123,250	123,435	123,796	124,148	124,164	122,481	120,799	119,269	117,739	116,209	114,679	113,149
General Service (Commercial)																	
5/8" Meter			10,578	10,405	10,396	10,387	10,405	10,442	10,470	10,479	10,322	10,165	10,009	9,861	9,714	9,566	9,419
> 5/8" Meter			32,197	31,718	31,718	31,718	31,788	31,906	32,006	32,041	32,041	32,042	32,042	32,042	32,042	32,042	32,042
Total General Service (Commercial)			42,775	42,123	42,114	42,104	42,193	42,348	42,476	42,520	42,363	42,208	42,051	41,903	41,756	41,609	41,461
General Service (Industrial)																	
5/8" Meter			194	192	192	192	192	193	194	194	191	188	185	182	180	177	174
> 5/8" Meter			2,637	2,668	2,668	2,668	2,674	2,684	2,692	2,695	2,695	2,695	2,695	2,695	2,695	2,695	2,695
Total General Service (Industrial)			2,831	2,860	2,860	2,860	2,866	2,877	2,885	2,889	2,886	2,883	2,880	2,877	2,875	2,872	2,869
General Service (Public Utilities)																	
5/8" Meter			13	15	15	15	15	15	15	15	14	14	14	14	14	13	13
> 5/8" Meter			334	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Total General Service (Public Utilities)			347	315	315	315	315	315	315	315	315	314	314	314	314	314	313

General Service (Excluding Senior Citizens)															
5/8" Meter	119,031	119,238	119,228	119,219	119,391	119,734	120,069	120,078	118,235	116,392	114,703	113,023	111,342	109,662	107,982
> 5/8" Meter	48,646	49,310	49,310	49,310	49,418	49,601	49,756	49,809	49,809	49,811	49,811	49,811	49,811	49,811	49,811
Total General Service (excluding SC)	167,676	168,548	168,538	168,529	168,809	169,335	169,824	169,887	168,044	166,203	164,514	162,834	161,153	159,473	157,792
General Service (Including Senior Citizens)															
5/8" Meter	122,373	122,562	122,553	122,543	122,715	123,059	123,393	123,402	121,507	119,617	117,881	116,154	114,427	112,700	110,973
> 5/8" Meter	48,646	49,311	49,311	49,311	49,419	49,602	49,757	49,810	49,810	49,812	49,812	49,812	49,812	49,812	49,812
Total General Service (including SC)	171,019	171,873	171,863	171,854	172,134	172,660	173,149	173,212	171,317	169,429	167,693	165,966	164,239	162,512	160,785
PHA	5,675	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452	5,452
Charities & Schools	4,690	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885
Hospital/University	6,242	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676	6,676
Hand Bill	16,252	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086	16,086
City Leased Properties	248	239	239	239	239	239	239	239	239	239	239	239	239	239	239
Scheduled	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City	7,285	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132	7,132
Fire Service	353	339	339	339	339	339	339	339	339	339	339	339	339	339	339
Private Fire (Unmetered)	(810)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Fire Charge (Hydrants)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	210,957	212,683	212,673	212,664	212,944	213,470	213,959	214,022	212,127	210,239	208,503	206,776	205,049	203,322	201,595

Water - Billing Allocation - Percentage Volume Charge

Senior Citizens															
5/8" Meter	74%	74%	74%	74%	74%	74%	74%	74%	74%	73%	73%	73%	72%	72%	72%
> 5/8" Meter	62%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
Total Senior Citizens	74%	74%	74%	74%	74%	74%	74%	74%	74%	73%	73%	73%	72%	72%	72%
General Service (Residential)															
5/8" Meter	78%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	77%	76%	76%	76%
> 5/8" Meter	92%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (Residential)	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	78%	78%	78%	78%
General Service (Commercial)															
5/8" Meter	83%	83%	83%	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	81%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (Commercial)	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%
General Service (Industrial)															
5/8" Meter	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%	80%
> 5/8" Meter	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
Total General Service (Industrial)	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
General Service (Public Utilities)															
5/8" Meter	79%	81%	81%	81%	81%	81%	81%	81%	81%	81%	80%	80%	80%	80%	79%
> 5/8" Meter	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
Total General Service (Public Utilities)	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
General Service (Excluding Senior Citizens)															
5/8" Meter	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	77%	76%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (excluding SC)	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%
General Service (Including Senior Citizens)															
5/8" Meter	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	76%	76%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (including SC)	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%
PHA	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
Charities & Schools	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
Hospital/University	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
Hand Bill	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%
City Leased Properties	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%
Scheduled	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%
City	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
Fire Service	-17%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Private Fire (Unmetered)															
Public Fire Charge (Hydrants)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total	80%	80%	80%	80%	80%	81%	81%	81%	80%	80%	80%	80%	80%	80%	80%

Sewer - Calculated Service Charge Billings (prior to adjustment factor)

Senior Citizens															
5/8" Meter	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189
> 5/8" Meter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Senior Citizens	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189
General Service (Residential)															
5/8" Meter	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655	31,655
> 5/8" Meter	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798
Total General Service (Residential)	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453	32,453
General Service (Commercial)															
5/8" Meter	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184	2,184

> 5/8" Meter	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955	1,955
Total General Service (Commercial)	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139
General Service (Industrial)															
5/8" Meter	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
> 5/8" Meter	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
Total General Service (Industrial)	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
General Service (Public Utilities)															
5/8" Meter	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
> 5/8" Meter	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
Total General Service (Public Utilities)	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
General Service (Excluding Senior Citizens)															
5/8" Meter	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885	33,885
> 5/8" Meter	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944
Total General Service (excluding SC)	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829	36,829
General Service (Including Senior Citizens)															
5/8" Meter	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074
> 5/8" Meter	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944	2,944
Total General Service (including SC)	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019	38,019
PHA	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520
Charities & Schools	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606
Hospital/University	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268
Hand Bill	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
City Leased Properties	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Scheduled	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
Fire Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Groundwater (Non-City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122	40,122

Sewer - Calculated Volume Charge Billings (prior to adjustment factor)

Senior Citizens															
5/8" Meter	2,432	2,421	2,421	2,421	2,421	2,421	2,421	2,421	2,383	2,349	2,315	2,281	2,247	2,213	2,179
> 5/8" Meter	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Senior Citizens	2,433	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,384	2,350	2,316	2,282	2,248	2,214	2,180
General Service (Residential)															
5/8" Meter	79,876	80,218	80,218	80,218	80,332	80,558	80,785	80,785	79,538	78,290	77,156	76,022	74,888	73,754	72,620
> 5/8" Meter	9,892	10,750	10,750	10,750	10,774	10,814	10,848	10,860	10,860	10,861	10,861	10,861	10,861	10,861	10,861
Total General Service (Residential)	89,768	90,968	90,968	90,968	91,105	91,373	91,634	91,645	90,398	89,151	88,017	86,883	85,749	84,615	83,481
General Service (Commercial)															
5/8" Meter	8,946	8,807	8,799	8,791	8,807	8,838	8,862	8,870	8,737	8,604	8,471	8,346	8,220	8,095	7,970
> 5/8" Meter	26,569	26,185	26,185	26,185	26,244	26,345	26,430	26,459	26,459	26,460	26,460	26,460	26,460	26,460	26,460
Total General Service (Commercial)	35,515	34,992	34,984	34,976	35,051	35,183	35,292	35,329	35,196	35,064	34,931	34,806	34,680	34,555	34,430
General Service (Industrial)															
5/8" Meter	173	171	171	171	171	172	173	173	170	167	165	163	160	158	155
> 5/8" Meter	2,197	2,226	2,226	2,226	2,231	2,240	2,248	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251
Total General Service (Industrial)	2,370	2,398	2,397	2,397	2,403	2,412	2,420	2,423	2,421	2,418	2,416	2,413	2,411	2,408	2,406
General Service (Public Utilities)															
5/8" Meter	11	13	13	13	13	13	13	13	12	12	12	12	12	12	11
> 5/8" Meter	289	260	260	260	260	260	260	260	260	260	260	260	260	260	260
Total General Service (Public Utilities)	300	272	272	272	272	272	272	272	272	272	272	272	271	271	271
General Service (Excluding Senior Citizens)															
5/8" Meter	89,006	89,209	89,201	89,193	89,323	89,582	89,832	89,840	88,457	87,074	85,804	84,542	83,281	82,019	80,757
> 5/8" Meter	38,947	39,420	39,420	39,420	39,509	39,659	39,786	39,829	39,829	39,831	39,831	39,831	39,831	39,831	39,831
Total General Service (excluding SC)	127,953	128,630	128,622	128,614	128,832	129,240	129,618	129,670	128,286	126,905	125,635	124,373	123,112	121,850	120,588
General Service (Including Senior Citizens)															
5/8" Meter	91,438	91,630	91,623	91,615	91,744	92,003	92,253	92,261	90,840	89,423	88,119	86,823	85,527	84,232	82,936
> 5/8" Meter	38,948	39,421	39,421	39,421	39,510	39,660	39,786	39,830	39,830	39,832	39,832	39,832	39,832	39,832	39,832
Total General Service (including SC)	130,386	131,052	131,044	131,036	131,254	131,662	132,040	132,091	130,670	129,254	127,951	126,655	125,359	124,063	122,767
PHA	4,741	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559
Charities & Schools	4,005	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177	4,177
Hospital/University	5,725	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129	6,129
Hand Bill	13,935	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779	13,779
City Leased Properties	131	121	121	121	121	121	121	121	121	121	121	121	121	121	121
Scheduled	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City	5,330	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512	6,512
Fire Service	74	79	79	79	79	79	79	79	79	79	79	79	79	79	79
Sewer Only	1,194	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198	1,198
Groundwater (Non-City)	2,670	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044	2,044
City Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	168,193	169,650	169,642	169,634	169,852	170,260	170,638	170,689	169,268	167,852	166,549	165,253	163,957	162,661	161,365

Sewer - Billing Allocation - Percentage Volume Charge

Senior Citizens

5/8" Meter	67%	67%	67%	67%	67%	67%	67%	67%	67%	66%	66%	66%	65%	65%	65%
> 5/8" Meter	62%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
Total Senior Citizens	67%	67%	67%	67%	67%	67%	67%	67%	67%	66%	66%	66%	65%	65%	65%
General Service (Residential)															
5/8" Meter	72%	72%	72%	72%	72%	72%	72%	72%	72%	71%	71%	71%	70%	70%	70%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (Residential)	73%	74%	74%	74%	74%	74%	74%	74%	74%	73%	73%	73%	73%	72%	72%
General Service (Commercial)															
5/8" Meter	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	79%	79%	79%	78%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (Commercial)	90%	89%	89%	89%	89%	89%	90%	90%	89%	89%	89%	89%	89%	89%	89%
General Service (Industrial)															
5/8" Meter	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	79%	79%	79%	79%	78%
> 5/8" Meter	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
Total General Service (Industrial)	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
General Service (Public Utilities)															
5/8" Meter	76%	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	77%
> 5/8" Meter	87%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%
Total General Service (Public Utilities)	87%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
General Service (Excluding Senior Citizens)															
5/8" Meter	72%	72%	72%	72%	72%	73%	73%	73%	72%	72%	72%	71%	71%	71%	70%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (excluding SC)	78%	78%	78%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	77%	77%
General Service (Including Senior Citizens)															
5/8" Meter	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%	71%	71%	71%	70%
> 5/8" Meter	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Total General Service (including SC)	77%	78%	78%	78%	78%	78%	78%	78%	77%	77%	77%	77%	77%	77%	76%
PHA	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
Charities & Schools	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%
Hospital/University	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
Hand Bill	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
City Leased Properties	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
Scheduled	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%
City	92%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Fire Service	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Sewer Only	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
Groundwater (Non-City)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
City Groundwater	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	80%	80%	80%	80%

Stormwater- Links to SCOS

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Billable Parcels																	
Residential																	
Non-Discount																	
Water & Sewer	423,543	424,838	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709	424,709
SW Only	11,108	10,567	10,309	10,213	10,124	10,041	9,962	9,887	9,815	9,815	9,815	9,815	9,815	9,815	9,815	9,815	9,815
Discount Non-PHA																	
Water & Sewer	19,918	20,120	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747	20,747
SW Only	14	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Discount PHA																	
Water & Sewer	4,363	4,239	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212	4,212
SW Only	227	189	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
City Owned																	
Water & Sewer	99	86	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
SW Only	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Subtotal Residential Billable Parcels	459,293	460,089	460,311	460,215	460,126	460,043	459,964	459,889	459,817	459,817	459,817	459,817	459,817	459,817	459,817	459,817	459,817
Non-Residential																	
Non-Discount																	
Water & Sewer	32,049	32,044	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095	32,095
SW Only	38,305	37,626	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143	37,143
Discount Non-PHA																	
Water & Sewer	1,982	1,949	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933	1,933
SW Only	283	303	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301
Discount PHA																	
Water & Sewer	365	358	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
SW Only	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049
City Owned																	
Water & Sewer	460	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458
SW Only	516	527	532	549	566	583	600	617	634	634	634	634	634	634	634	634	634
Subtotal Non Residential Billable Parcels	74,933	74,247	73,805	73,822	73,839	73,856	73,873	73,890	73,907	73,907	73,907	73,907	73,907	73,907	73,907	73,907	73,907
Condominiums																	
Non-Discount																	
Water & Sewer	1,550	1,576	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607
SW Only	27	24	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Discount Non-PHA																	
Water & Sewer	32	30	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
SW Only	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discount PHA																	
Water & Sewer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

City Owned																	
Water & Sewer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SW Only	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Condominium Billable Parcels	1,613	1,634	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671	1,671
Total -Billable Parcels	535,839	535,970	535,787	535,708	535,636	535,570	535,508	535,450	535,395	535,395	535,395	535,395	535,395	535,395	535,395	535,395	535,395
Billable Accounts																	
Residential																	
Non-Discount																	
Water & Sewer	424,709	426,047	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935	425,935
SW Only	11,093	10,547	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293	10,293
Discount Non-PHA																	
Water & Sewer	19,968	20,169	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797	20,797
SW Only	14	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Discount PHA																	
Water & Sewer	4,484	4,359	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345	4,345
SW Only	227	189	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
City Owned																	
Water & Sewer	113	98	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
SW Only	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Subtotal Residential Billable Accounts	460,629	461,459	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716	461,716
Non-Residential																	
Non-Discount																	
Water & Sewer	37,662	37,708	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764	37,764
SW Only	38,033	37,382	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875
Discount Non-PHA																	
Water & Sewer	2,792	2,776	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747	2,747
SW Only	283	309	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304
Discount PHA																	
Water & Sewer	1,134	1,520	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454	1,454
SW Only	973	982	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049
City Owned																	
Water & Sewer	776	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778
SW Only	518	532	536	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Subtotal Non Residential Billable Accounts	82,171	81,987	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507	81,507
Condominiums																	
Non-Discount																	
Water & Sewer	3,348	3,448	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525
SW Only	28	24	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Discount Non-PHA																	
Water & Sewer	456	474	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
SW Only	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discount PHA																	
Water & Sewer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City Owned																	
Water & Sewer	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SW Only	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Condominium Billable Accounts	3,837	3,951	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046	4,046
Total -Billable Accounts	546,637	547,397	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269	547,269
Billable Impervious Area (1,000 sq ft)																	
Residential																	
Non-Discount																	
Water & Sewer	448,838	449,589	448,928	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944	445,944
SW Only	9,277	8,764	8,325	10,789	10,756	10,725	10,696	10,669	10,642	10,642	10,642	10,642	10,642	10,642	10,642	10,642	10,642
Discount Non-PHA																	
Water & Sewer	20,545	20,836	21,836	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784	21,784
SW Only	19	44	48	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Discount PHA																	
Water & Sewer	3,080	3,002	2,971	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423	4,423
SW Only	146	123	110	190	190	190	190	190	190	190	190	190	190	190	190	190	190
City Owned																	
Water & Sewer	99	89	115	107	107	107	107	107	107	107	107	107	107	107	107	107	107
SW Only	15	12	12	23	23	23	23	23	23	23	23	23	23	23	23	23	23
Subtotal Residential Billable Impervious Area	482,019	482,459	482,345	483,290	483,257	483,226	483,197	483,170	483,143	483,143	483,143	483,143	483,143	483,143	483,143	483,143	483,143
Non-Residential																	
Non-Discount																	
Water & Sewer	405,695	407,995	399,571	391,749	384,670	377,520	370,002	362,447	354,845	354,845	354,845	354,845	354,845	354,845	354,845	354,845	354,845
SW Only	80,658	77,589	73,234	73,675	72,496	71,292	70,011	68,715	67,402	67,402	67,402	67,402	67,402	67,402	67,402	67,402	67,402
Discount Non-PHA																	
Water & Sewer	86,494	86,912	85,311	85,534	85,007	84,470	83,897	83,318	82,732	82,732	82,732	82,732	82,732	82,732	82,732	82,732	82,732
SW Only	4,039	3,698	3,766	3,671	3,660	3,648	3,635	3,622	3,609	3,609	3,609	3,609	3,609	3,609	3,609	3,609	3,609
Discount PHA																	
Water & Sewer	5,837	6,433	6,423	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771	6,771
SW Only	1,075	1,106	1,170	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141
City Owned																	
Water & Sewer	59,193	58,957	58,933	57,557	56,678	55,781	54,826	53,860	52,882	52,882	52,882	52,882	52,882	52,882	52,882	52,882	52,882
SW Only	7,625	7,588	7,903	7,763	7,782	7,801	7,820	7,839	7,858	7,858	7,858	7,858	7,858	7,858	7,858	7,858	7,858
Subtotal Non Residential Billable Impervious Area	650,615	650,280	636,311	627,861	618,205	608,424	598,104	587,714	577,241	577,241	577,241	577,241	577,241	577,241	577,241	577,241	577,241
Condominiums																	
Non-Discount																	
Water & Sewer	14,331	14,156	16,049	13,923	13,683	13,437	13,175	12,911	12,643	12,643	12,643	12,643	12,643	12,643	12,643	12,643	12,643
SW Only	146	111	262	113	106	98	91	83	75	75	75	75	75	75	75	75	75
Discount Non-PHA																	
Water & Sewer	674	608	628	606	579	551	521	492	461	461	461	461	461	461	461	461	461
SW Only	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Discount PHA																	
Water & Sewer	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City Owned																	
Water & Sewer	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
SW Only	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Condominium Billable Impervious Area	15,174	14,918	16,983	14,685	14,409	14,129	13,830	13,527	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221
Total -Billable Impervious Area (1,000 sq ft)	1,147,809	1,147,657	1,135,638	1,125,835	1,115,871	1,105,779	1,095,130	1,084,411	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605	1,073,605
Billable Gross Area (1,000 sq ft)																	
Residential																	
Non-Discount																	
Water & Sewer	904,048	905,532	904,984	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136	896,136
SW Only	20,013	19,002	18,260	21,308	20,899	20,515	20,150	19,804	19,474	21,752	21,752	21,752	21,752	21,752	21,752	21,752	21,752
Discount Non-PHA																	
Water & Sewer	38,539	39,330	40,931	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776	43,776
SW Only	55	105	104	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Discount PHA																	
Water & Sewer	4,923	4,805	4,814	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887	8,887
SW Only	248	213	207	382	382	382	382	382	382	382	382	382	382	382	382	382	382
City Owned																	
Water & Sewer	175	158	192	215	215	215	215	215	215	215	215	215	215	215	215	215	215
SW Only	22	26	23	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Subtotal Residential Billable Gross Area	968,021	969,170	969,514	970,812	970,403	970,019	969,654	969,308	968,978	971,256	971,256	971,256	971,256	971,256	971,256	971,256	971,256
Non-Residential																	
Non-Discount																	
Water & Sewer	620,566	605,771	600,595	591,203	582,190	573,189	563,988	554,832	545,722	545,722	545,722	545,722	545,722	545,722	545,722	545,722	545,722
SW Only	207,476	200,196	195,699	194,049	190,039	186,004	181,844	177,685	173,526	173,526	173,526	173,526	173,526	173,526	173,526	173,526	173,526
Discount Non-PHA																	
Water & Sewer	146,087	146,821	146,138	143,619	141,605	139,578	137,489	135,400	133,311	133,311	133,311	133,311	133,311	133,311	133,311	133,311	133,311
SW Only	6,601	6,208	5,658	6,241	6,224	6,208	6,191	6,174	6,157	6,157	6,157	6,157	6,157	6,157	6,157	6,157	6,157
Discount PHA																	
Water & Sewer	11,709	12,525	12,444	13,304	13,288	13,271	13,254	13,237	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221	13,221
SW Only	4,311	4,317	4,440	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416	4,416
City Owned																	
Water & Sewer	201,672	194,894	197,897	191,126	189,275	187,412	185,491	183,571	181,650	181,650	181,650	181,650	181,650	181,650	181,650	181,650	181,650
SW Only	48,838	49,420	51,458	50,857	51,000	51,142	51,284	51,427	51,569	50,715	50,715	50,715	50,715	50,715	50,715	50,715	50,715
Subtotal Non Residential Billable Gross Area	1,247,261	1,220,151	1,214,328	1,194,815	1,178,036	1,161,220	1,143,959	1,126,743	1,109,572	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718	1,108,718
Condominiums																	
Non-Discount																	
Water & Sewer	21,081	20,454	21,170	19,293	18,985	18,674	18,353	18,033	17,713	17,713	17,713	17,713	17,713	17,713	17,713	17,713	17,713
SW Only	173	134	462	31	14	-2	-19	-36	-53	-53	-53	-53	-53	-53	-53	-53	-53
Discount Non-PHA																	
Water & Sewer	1,474	1,406	1,428	1,330	1,297	1,264	1,231	1,197	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163
SW Only	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Discount PHA																	
Water & Sewer	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City Owned																	
Water & Sewer	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
SW Only	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Condominium Billable Gross Area	22,756	22,045	23,111	20,705	20,347	19,987	19,616	19,245	18,875	18,875	18,875	18,875	18,875	18,875	18,875	18,875	18,875
Total -Billable Impervious Area (1,000 sq ft)	2,238,038	2,211,367	2,206,954	2,186,332	2,168,786	2,151,226	2,133,229	2,115,297	2,097,425	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849	2,098,849

Stormwater Rates - Links to SCOS

Parcel Area Based Rates																	
Billing & Collection Charge ($/bill)																	
Residential			1.69	1.69	1.69												
Non-Residential			2.19	2.19	2.19												
Condominium			2.19	2.19	2.19												
IA/GA Charges																	
Residential IA/GA Charge ($/bill)			12.46	12.46	12.46												
IA Rate ($/500 sf)																	
Non-Residential			4.75	4.75	4.75												
Condominium			4.75	4.75	4.75												
GA Rate ($/500 sf)																	
Non-Residential			0.59	0.59	0.59												
Condominium			0.59	0.59	0.59												

Stormwater Billings - Links to SCOS

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Billing & Collection Charges (Accounts)																	
Residential																	
Non-Discount																	
Water & Sewer	8,008	8,436	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638	8,638
SW Only	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
Discount Non-PHA																	
Water & Sewer	282	300	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316
SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discount PHA																	
Water & Sewer	80	82	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
SW Only	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
City Owned																	
Water & Sewer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

SW Only	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,587	9,033	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254	9,254
Non-Residential																	
Non-Discount																	
Water & Sewer	785	973	992	992	992	992	992	992	992	992	992	992	992	992	992	992	992
SW Only	800	974	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978
Discount Non-PHA																	
Water & Sewer	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
SW Only	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Discount PHA																	
Water & Sewer	22	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
SW Only	19	24	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
City Owned																	
Water & Sewer	16	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
SW Only	11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Subtotal	1,701	2,101	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128	2,128
Condominiums																	
Non-Discount																	
Water & Sewer	70	89	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
SW Only	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discount Non-PHA																	
Water & Sewer	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
SW Only	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discount PHA																	
Water & Sewer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Owned																	
Water & Sewer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW Only	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	78	99	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
Total SW Billing & Collection Charges	10,366	11,233	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485	11,485
GA/IA Charges (Parcels)																	
Residential																	
Non-Discount																	
Water & Sewer	41,199	59,883	63,362	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502	63,502
SW Only	1,080	1,489	1,538	1,527	1,514	1,501	1,489	1,478	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468	1,468
Discount Non-PHA																	
Water & Sewer	1,453	2,127	2,321	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327
SW Only	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Discount PHA																	
Water & Sewer	403	568	597	598	598	598	598	598	598	598	598	598	598	598	598	598	598
SW Only	21	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
City Owned																	
Water & Sewer	10	12	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
SW Only	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Subtotal Residential GA/IA charges	44,169	64,111	67,866	68,002	67,989	67,976	67,964	67,953	67,942	67,942	67,942	67,942	67,942	67,942	67,942	67,942	67,942
Non-Residential																	
Non-Discount																	
Water & Sewer	35,636	51,937	53,900	52,993	52,059	51,117	50,131	49,141	48,146	48,146	48,146	48,146	48,146	48,146	48,146	48,146	48,146
SW Only	7,865	11,014	11,089	11,140	10,948	10,754	10,549	10,343	10,135	10,135	10,135	10,135	10,135	10,135	10,135	10,135	10,135
Discount Non-PHA																	
Water & Sewer	5,794	8,476	8,821	8,832	8,766	8,698	8,627	8,556	8,483	8,483	8,483	8,483	8,483	8,483	8,483	8,483	8,483
SW Only	269	360	381	380	379	378	376	375	374	374	374	374	374	374	374	374	374
Discount PHA																	
Water & Sewer	512	816	861	912	911	911	911	911	911	911	911	911	911	911	911	911	911
SW Only	113	168	186	183	183	183	183	183	183	183	183	183	183	183	183	183	183
City Owned																	
Water & Sewer	6,230	8,942	9,494	9,262	9,136	9,007	8,871	8,734	8,596	8,596	8,596	8,596	8,596	8,596	8,596	8,596	8,596
SW Only	1,015	1,476	1,625	1,604	1,609	1,613	1,617	1,621	1,625	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613
Subtotal	57,434	83,189	86,356	85,306	83,991	82,662	81,266	79,863	78,452	78,440	78,440	78,440	78,440	78,440	78,440	78,440	78,440
Condominiums																	
Non-Discount																	
Water & Sewer	1,251	1,794	2,123	1,859	1,827	1,795	1,761	1,726	1,691	1,691	1,691	1,691	1,691	1,691	1,691	1,691	1,691
SW Only	12	14	36	13	12	11	10	9	8	8	8	8	8	8	8	8	8
Discount Non-PHA																	
Water & Sewer	48	63	69	66	63	60	58	55	52	52	52	52	52	52	52	52	52
SW Only	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discount PHA																	
Water & Sewer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Owned																	
Water & Sewer	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SW Only	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	1,313	1,876	2,233	1,943	1,908	1,871	1,833	1,794	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755
Total SW GA/IA Charges	102,915	149,176	156,455	155,251	153,887	152,510	151,064	149,611	148,149	148,137	148,137	148,137	148,137	148,137	148,137	148,137	148,137
Stormwater Billings (Billing & Collection + GA/IA)																	
Residential																	
Non-Discount																	
Water & Sewer	49,206	68,319	72,000	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140	72,140
SW Only	1,290	1,699	1,747	1,736	1,723	1,711	1,699	1,687	1,677	1,677	1,677	1,677	1,677	1,677	1,677	1,677	1,677
Discount Non-PHA																	
Water & Sewer	1,735	2,427	2,638	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643	2,643
SW Only	1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Discount PHA																	
Water & Sewer	483	650	681	682	682	682	682	682	682	682	682	682	682	682	682	682	682
SW Only	25	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
City Owned																	

Water & Sewer	12	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
SW Only	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Subtotal	52,756	73,144	77,120	77,256	77,243	77,230	77,218	77,207	77,196	77,196	77,196	77,196	77,196	77,196	77,196	77,196	77,196
Non-Residential																	
Non-Discount																	
Water & Sewer	36,421	52,910	54,892	53,986	53,052	52,110	51,123	50,133	49,138	49,138	49,138	49,138	49,138	49,138	49,138	49,138	49,138
SW Only	8,665	11,988	12,067	12,118	11,927	11,733	11,528	11,321	11,113	11,113	11,113	11,113	11,113	11,113	11,113	11,113	11,113
Discount Non-PHA																	
Water & Sewer	5,838	8,530	8,875	8,886	8,820	8,753	8,681	8,610	8,538	8,538	8,538	8,538	8,538	8,538	8,538	8,538	8,538
SW Only	273	366	387	386	385	384	382	381	380	380	380	380	380	380	380	380	380
Discount PHA																	
Water & Sewer	534	853	897	948	948	948	947	947	947	947	947	947	947	947	947	947	947
SW Only	132	192	212	209	209	209	209	209	209	209	209	209	209	209	209	209	209
City Owned																	
Water & Sewer	6,246	8,962	9,515	9,283	9,156	9,028	8,892	8,755	8,616	8,616	8,616	8,616	8,616	8,616	8,616	8,616	8,616
SW Only	1,025	1,490	1,639	1,618	1,623	1,627	1,631	1,635	1,639	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627
Subtotal	59,135	85,290	88,484	87,434	86,119	84,790	83,394	81,991	80,580	80,567	80,567	80,567	80,567	80,567	80,567	80,567	80,567
Condominiums																	
Non-Discount																	
Water & Sewer	1,321	1,883	2,216	1,952	1,920	1,888	1,853	1,819	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784
SW Only	13	14	37	14	13	12	11	10	9	9	9	9	9	9	9	9	9
Discount Non-PHA																	
Water & Sewer	55	72	78	75	73	70	67	64	61	61	61	61	61	61	61	61	61
SW Only	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discount PHA																	
Water & Sewer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SW Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Owned																	
Water & Sewer	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SW Only	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	1,390	1,975	2,336	2,046	2,011	1,975	1,936	1,898	1,858	1,858	1,858	1,858	1,858	1,858	1,858	1,858	1,858
Total Stormwater Billings ($1,000)	113,281	160,409	167,940	166,736	165,372	163,994	162,548	161,096	159,634	159,622	159,622	159,622	159,622	159,622	159,622	159,622	159,622

WASTEWATER COS ADDITIONAL LINKS TO SCOS

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Operating Expenses																	
Operating Expense			154,712,420	150,814,290	153,658,463	157,388,028	169,192,839	173,856,726	178,440,242	183,408,161	188,747,228	194,256,547	199,940,128	205,804,543	211,856,026	218,099,750	#########
Direct Interdepartmental Charges			89,282,130	96,602,743	99,081,186	101,654,761	108,457,225	111,174,777	114,608,981	118,270,807	122,160,929	126,210,693	130,422,949	134,808,262	139,374,218	144,125,968	#########
Capital Expenses																	
Outstanding Bonds			117,582,395	118,314,470	123,113,224	124,042,635	89,839,313	90,533,171	89,780,002	81,749,018	81,333,018	62,189,517	62,223,672	63,294,276	63,334,680	52,571,377	63,558,535
Pennvest Parity Bonds			6,621,144	6,621,144	6,621,144	6,861,531	7,029,177	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	7,058,350	2,474,802
Projected Future Bonds			-	5,665,803	7,998,780	15,693,780	28,701,517	38,784,490	49,517,976	61,227,235	73,261,750	85,296,266	98,306,553	113,398,486	128,685,573	145,468,843	#########
Capital Account Deposit			12,198,812	12,504,121	12,816,724	13,137,142	13,465,571	13,802,210	14,147,265	14,500,947	14,863,470	15,235,057	15,615,934	16,006,332	16,406,490	16,816,653	17,237,069
Residual Fund Transfer			5,883,125	12,523,536	19,591,935	23,107,453	18,520,199	21,156,603	23,979,020	25,592,666	28,413,745	26,690,220	31,599,363	35,512,957	39,598,532	41,143,214	46,754,253
Rate Stabilization Fund Transfer			6,367,000	(4,410,000)	(7,942,000)	(11,838,000)	3,482,000	(1,247,000)	(747,000)	3,228,000	655,000	1,392,000	-	-	-	-	-

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

CONFIDENTIAL
DO NOT DUPLICATE
DO NOT DISTRIBUTE

#	Description	2016	2017	2018	2019	2020	2021
	Annual CIP Expenses	242,552,674	282,000,000	300,000,000	300,000,000	300,000,000	300,000,000
	Bond Issuance	-	266,339,403	273,586,856	278,561,162	251,048,662	275,375,124
	Cash Funding	53,015,000	52,145,375	58,189,009	69,146,235	71,717,390	78,202,825

#	Description	2016	2017	2018	2019	2020	2021
	Projected Revenue Inclu	710,232	726,929	766,215	779,247	793,892	837,570
	Service Revenue	649,366	684,232	720,052	753,109	788,185	831,450
	Misc Revenue	23,966	23,397	7,164	26,138	5,707	4,920
	RSF Withdrawal	36,900	19,300	39,000	-	-	1,200
	O&M	409,773	418,918	429,682	457,723	469,856	483,061
	Debt Service	220,713	207,715	222,986	195,907	203,158	220,910
	Capital Account Deposit	21,215	21,745	22,289	22,846	23,417	24,003
	Transfer to RSF	-	-	-	12,300	100	-
	Transfer to Residual	58,530	78,551	91,258	90,470	97,360	109,597

#	Description	2016	2017	2018	2019	2020	2021
	RateStabilization Fund	169	150	111	123	123	122
	Residual Fund	42	90	146	191	241	297

Thousands
$900
$800
$700
$600
$500
$400
$300
$200
$100
$0
2016
2017
2018
2019
2020
2021
Service Revenue
Misc Revenue
RSF Withdrawal

900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
2016
2017
2018
2019
2020
2021
RSF Withdrawal
Misc Revenue
Service Revenue
Transfer to Residual
Capital Account Deposit
Debt Service
O&M