PUBLIC HEARING ON PROPOSED WATER AND WASTEWATER RATES 2008

WATER DEPARTMENT PHILADELPHIA, PENNSYLVANIA

BLACK & VEATCH CALCULATIONS SUPPORTING MARCH 2008 DIRECT TESTIMONY AND EXHIBITS OF J. ROWE MCKINLEY

MARCH 2008

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INDEX TO BLACK & VEATCH CALCULATIONS SUPPORTING MARCH 2008 DIRECT TESTIMONY AND EXHIBITS OF J. ROWE MCKINLEY FOR THE PUBLIC HEARING ON PROPOSED WATER AND WASTEWATER RATES 2008

The calculations supporting the March 2008 direct testimony and exhibits of J. Rowe McKinley are developed in three computer model workbook files: RREQ08.XLS, WCOS08.XLS, and SCOS08.XLS. Each workbook file consists of many worksheets, and each worksheet may contain many pages of calculations. This printout of the computer model includes identifying tabs showing the name of the workbook file (e.g., RREQ08.XLS) and the worksheet (e.g., Cust) that is printed.

The Index tab for each workbook file includes this page, the following two pages, and separate pages providing brief descriptions of the purpose of each worksheet within the corresponding workbook file. In addition to this description, these pages include an index showing the description and page number of each page within the worksheet. Page numbers refer to the identifying page number for each page of the worksheet that is shown in the upper right-hand corner of a printed page, such as Cust-1 or LagRate-30. On many of the printed pages, references to other calculation pages are made using these page numbers. At the top of each printed page is a three line page header that includes the name of the workbook file, a description of the content of the page, the page number and other miscellaneous information.

The RREQ08.XLS workbook file develops projected revenue requirements and cash flows for each utility and the combined utilities. The WCOS08.XLS workbook file allocates the water utility test year cost of service to contract wholesale and retail water utility customers and develops proposed water rates for the test year. The SCOS08.XLS workbook file allocates the sewer utility test year cost of service to contract wholesale and retail sewer utility customers and develops proposed sewer rates for the test year.

The first two pages following this page provide a calculation page reference for each table in Exhibits JRM-1 and JRM-2 as well as a cross-reference of the tables between the two exhibits.

See File: SCOS08.xls ; Range: Tbls_0 for remaining A-Tables.

Range	Description	Table Number	Range Page Ref.	Calculation Page Reference	Cross Reference to A-Tables
TblsIN	INDEX		Tbls-0		
Table_1	PROJECTED WATER UTILITY RECEIPTS UNDER EXISTING RATES	TABLE - 1	Tbls-1	Rreq-29	N/A
Table_2	PROJECTED WATER UTILITY OPERATION AND MAINTENANCE EXPENSE	TABLE - 2	Tbls-2	OMtwo-20	N/A
Table_3	PROJECTED WATER UTILITY CAPITAL IMPROVEMENT PROGRAM	TABLE - 3	Tbls-3	Rreq-10	N/A
Table_4	PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND WATER UTILITY	TABLE - 4	Tbls-4	Rreq-13	N/A
Table_5	SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE WATER UTILITY	TABLE - 5	Tbls-5	Rreq-25	N/A
Table_6	PROJECTED WASTEWATER UTILITY RECEIPTS UNDER EXISTING RATES	TABLE - 6	Tbls-6	Rreq-30	N/A
Table_7	PROJECTED WASTEWATER UTILITY OPERATION AND MAINTENANCE EXPENSE	TABLE - 7	Tbls-7	OMtwo-21	N/A
Table_8	PROJECTED WASTEWATER UTILITY CAPITAL IMPROVEMENT PROGRAM	TABLE - 8	Tbls-8	Rreq-11	N/A
Table_9	PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND WASTEWATER UTILITY	TABLE - 9	Tbls-9	Rreq-14	N/A
Table_10	SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE WASTEWATER UTILITY	TABLE - 10	Tbls-10	Rreq-26	N/A
Table_11	PROJECTED REVENUE AND REVENUE REQUIREMENTS	TABLE - 11	Tbls-11	Rreq-22	N/A
Table_12	PROJECTED REVENUE AND REVENUE REQUIREMENTS WATER OPERATIONS	TABLE - 12	Tbls-12	Rreq-23	N/A
Table_13	PROJECTED REVENUE AND REVENUE REQUIREMENTS WASTEWATER OPERATIONS	TABLE - 13	Tbls-13	Rreq-24	N/A
Table_14	ESTIMATED WATER UTILITY COST OF SERVICE	TABLE - 14	Tbls-14	Rreq-27	N/A
Table_15	ALLOCATION OF TEST YEAR WATER PLANT INVESTMENT TO FUNCTIONAL COST COMPONENTS	TABLE - 15	Tbls-15	File: WCOS08.xls ; Range: Wpltallo-2	N/A
Table_16	ALLOCATION OF TEST YEAR WATER PLANT DEPRECIATION EXPENSE TO FUNCTIONAL COST COMPONENT	TABLE - 16	Tbls-16	File: WCOS08.xls ; Range: Wpltallo-5	N/A
Table_17	ALLOCATION OF TEST YEAR WATER OPERATION AND MAINTENANCE EXPENSE TO FUNCTIONAL COST CO	TABLE - 17	Tbls-17	File: WCOS08.xls ; Range: Ver. 1a	N/A
Table_18	ESTIMATED UNITS OF SERVICE FOR RETAIL WATER CUSTOMERS	TABLE - 18	Tbls-18	File: WCOS08.xls ; Range: Units-2	N/A
Table_19	EQUIVALENT METER, BILL AND SERVICE RATIOS	TABLE - 19	Tbls-19	File: SCOS08.xls ; Range: Units-15	TABLE A - 14
Table_20	SUMMARY OF TEST YEAR COSTS OF WATER SERVICE ALLOCATED TO BUCKS COUNTY AND PROPOSED R	TABLE - 20	Tbls-20	File: WCOS08.xls ; Range: Retcos-4	N/A
Table_20A	SUMMARY OF FY 2010, FY 2011 AND FY 2012 PROPOSED RATES FOR BUCKS COUNTY	TABLE - 20A	Tbls-20A	File: WCOS08.xls ; Range: Retcos-4 for FY 2010, FY 2011 & FY 2012	N/A
Table_21	SUMMARY OF TEST YEAR COSTS OF WATER SERVICE ALLOCATED TO Aqua Pennsylvania WATER COMPANY	TABLE - 21	Tbls-21	File: WCOS08.xls ; Range: Retcos-4 and Retcos-6	N/A
Table_21A	SUMMARY OF FY 2010, FY 2011 AND FY 2012 PROPOSED RATES FOR AQUA AMERICA (PSWC)	TABLE - 21A	Tbls-21A	File: WCOS08.xls ; Range: Retcos-4 for FY 2010, FY 2011 & FY 2012	N/A
Table_22	TEST YEAR UNIT COSTS OF WATER SERVICE FOR RETAIL CUSTOMERS	TABLE - 22	Tbls-22	File: WCOS08.xls ; Range: Retcos-2	N/A
Table_23	COMPARISON OF TEST YEAR COSTS OF SERVICE AND ADJUSTED COST OF SERVICE WITH REVENUES UND	TABLE - 23	Tbls-23	File: WCOS08.xls ; Range: LagRate-11	N/A
Table_24	PROPOSED WATER RATES FOR GENERAL SERVICE	TABLE - 24	Tbls-24	File: WCOS08.xls ; Range: LagRate-13	N/A
Table_25	PROPOSED RATES FOR FIRE PROTECTION	TABLE - 25	Tbls-25	File: WCOS08.xls ; Range: LagRate-13	N/A
Table_26	ESTIMATED WASTEWATER UTILITY COST OF SERVICE	TABLE - 26	Tbls-26	Rreq-28	TABLE A - 1
Table_27	TEST YEAR INVESTMENT IN THE WASTEWATER SYSTEM SUMMARY OF ALLOCATIONS TO FUNCTIONAL C	TABLE - 27	Tbls-27	File: SCOS08.xls ; Range: Spltallo-24	TABLE A - 5
Table_28	OPERATION AND MAINTENANCE EXPENSE APPLICABLE TO CONTRACT SERVICE	TABLE - 28	Tbls-28	File: SCOS08.xls ; Range: Spltallo-39	TABLE A - 11
Table_29	OUTSIDE CITY CONTRACT SERVICE UNITS OF WASTEWATER SERVICE	TABLE - 29	Tbls-29	File: SCOS08.xls ; Range: Units-2	TABLE A - 15
Table_30	UNITS OF WASTEWATER SERVICE	TABLE - 30	Tbls-30	File: SCOS08.xls ; Range: Units-13	TABLE A - 12
Table_31	WATER POLLUTION CONTROL PLANT INVESTMENT PER UNIT OF CAPACITY	TABLE - 31	Tbls-31	File: SCOS08.xls ; Range: Spltallo-25	TABLE A - 16
Table_32	UNIT PUMPING AND TREATMENT OPERATION AND MAINTENANCE EXPENSE APPLICABLE FOR CONTRACT	TABLE - 32	Tbls-32	File: SCOS08.xls ; Range: Somallo-40	TABLE A - 28
Table_33	SUMMARY OF ALLOCATED COST OF SERVICE FOR CONTRACT CUSTOMERS	TABLE - 33	Tbls-33	File: SCOS08.xls ; Range: Retcos-11	TABLE A - 40
Table_34	UNIT COSTS OF RETAIL WASTEWATER SERVICE	TABLE - 34	Tbls-34	File: SCOS08.xls ; Range: Retcos-8	TABLE A - 43
Table_35	WASTEWATER RETAIL COST OF SERVICE	TABLE - 35	Tbls-35	File: SCOS08.xls ; Range: Retcos-17	TABLE A - 45
Table_36	SUMMARY OF TEST YEAR CHARGES FOR WHOLESALE CONTRACT CUSTOMERS	TABLE - 36	Tbls-36	File: SCOS08.xls ; Range: LagRate-17	TABLE A - 49
Table_36A	SUMMARY OF PROJECTED FY 2010 CHARGES FOR WHOLESALE CONTRACT CUSTOMERS	TABLE - 36A	Tbls-36A	File: SCOS08.xls ; Range: LagRate-17 for FY 2010, FY 2011 & FY 2012	TABLE A - 49A
Table_36B	SUMMARY OF PROJECTED FY 2011 CHARGES FOR WHOLESALE CONTRACT CUSTOMERS	TABLE - 36B	Tbls-36B	File: SCOS08.xls ; Range: LagRate-17 for FY 2010, FY 2011 & FY 2012	TABLE A - 49B
Table_36C	SUMMARY OF PROJECTED FY 2012 CHARGES FOR WHOLESALE CONTRACT CUSTOMERS	TABLE - 36C	Tbls-36C	File: SCOS08.xls ; Range: LagRate-17 for FY 2010, FY 2011 & FY 2012	TABLE A - 49C
Table_37	PROPOSED WASTEWATER RATES FOR GENERAL SERVICE	TABLE - 37	Tbls-37	File: SCOS08.xls ; Range: LagRate-31	TABLE A - 50
Table_38	COMPARISON OF TYPICAL COMBINED WATER AND WASTEWATER BILLS UNDER EXISTING AND PROPOSE	TABLE - 38	Tbls-38	File: SCOS08.xls ; Range: LagRate-36	TABLE A - 51

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Cust" worksheet summarizes wholesale, retail, and surcharge water and sewer utility historical customer class number of accounts, usage and billings, projected water and sewer utility customer class number of accounts and usage, and projected sewer utility receipts.

Range	Description	Page Number	Table	
CUSTINDEX	Index	Cust-1		
CUSTINPUT	General Input Area	Cust-2		Currently not in use
HPUBF	Historical Public Fire Data	Cust-3		
HFMTR	Historical Fire Meters Data	Cust-4		
HMUN	Historical Municipal Data	Cust-5		
HGSA	Historical General Service Number of Accounts	Cust-6		
HGSBU	Historical General Service Billings and Usage	Cust-7		
PGS	Projected General Service <5/8 in.	Cust-8		
PA_U	Projected Accounts & Usage	Cust-9		
HPSC	Historical and Projected Senior Citizens	Cust-10		
HTS	Historical Township Strength	Cust-11		
HPTF	Historical and Projected Township Flows	Cust-12		
PTS	Projected Township Strengths	Cust-13		
PTUNTS	Projected Township Units of Service	Cust-14		
PTB	Projected Township Billings	Cust-15		
SHPTB	Summary of Historical & Projected Township Billings	Cust-16		
HGSS	Historical General Service Sewer Billings	Cust-17		
HPSUR	Historical and Projected Surcharge Billings	Cust-18		
HSO	Historical Sewer Only Data	Cust-19		
HWD	FY 07, FY 06 & FY 05 Water Data Only	Cust-20		
PBA	Projected Bills & Accounts	Cust-21		
PCON	Projected Consumption	Cust-22		
WSU	Test Year Water/Sewer Units	Cust-23		
ESR	Existing Sewer Rates	Cust-24		
SBTD	FY 2007 Sewer Bill Tab Data	Cust-25		
PSB	Projected Sewer Billings	Cust-26		
PSR	Projected Sewer Receipts	Cust-27		
SOOR	Sewer Other Operating Revenue	Cust-28		
CFA1	Collection Factor Analysis - Page 1	Cust-29		Currently not in use
CFA2	Collection Factor Analysis - Page 2	Cust-30		Currently not in use
CFA3	Collection Factor Analysis - Page 3	Cust-31		Currently not in use
CFA4	Collection Factor Analysis - Page 4	Cust-32		Currently not in use

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Btab" worksheet estimates FY 2007 bills by meter size, and volume and service charge billings.

Range	Description	Page Number	Table
BTINDEX	Index	Btab-1	
BTDATA	FY 92 Billtab Data	Btab-2	
ESTBILLS	FY 07 Estimated Bills by Meter Size	Btab-3	
ESTVOL	FY 07 Estimated Volume Charge Billings	Btab-4	
ESTSER	FY 07 Estimated Service Charge Billings	Btab-5	
EWR	Existing Water Rates	Btab-6	1
BILLTAB	FY 2007 BillTab Data	Btab-7	

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Wrev" worksheet summarizes historical and develops projected retail and wholesale water utility billings and receipts

Range	Description	Page Number	Table
WREVIN	Index	Wrev-1	
HGSUB	Historical General Service Unit Billings	Wrev-2	
HUB	Historical Unit Billings for all Classes	Wrev-3	
SHWB	Summary of Historical Water Billings	Wrev-4	
PWB	Projected Water Billings	Wrev-5	
PWR	Projected Water Receipts	Wrev-6	
WOOR	Other Water Operating Revenue	Wrev-7	
PBCWB	Projected Bucks County Water Billings	Wrev-8	
PHSWC	Projected Aqua PA Water Billings	Wrev-9	

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Srev" worksheet is not used. Projected sewer receipts are developed in Cust-26 and Cust-27.

SREV1 Not Used - See PSB - Projected Sewer Billings (Cust-26) and PSR - Projected Sewer Receipts(Cust-27)

PSB	Projected Sewer Billings	Cust-26
PSR	Projected Sewer Receipts	Cust-27

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "OMone" worksheet summarizes historical and develops projected Water Department O&M expense.

Range	Description	Page Number	Table	
OMoneIN	Index	OMone-1		
HOM1	Historical O&M - Page 1	OMone-2		
HOM2	Historical O&M - Page 2	OMone-3		
HOM3	Historical O&M - Page 3	OMone-4		
SHOM	Summary of Historical O&M	OMone-5		
ANNICR	Annual Increases in O&M	OMone-6		
POM	Projected O&M Expenditures	OMone-7		
PNOTES	Notes to Projected O&M	OMone-8		Currently not in use
ICFB	Interdepartmental Charges & Fringe Benefits	OMone-9		
ICNOTES	Notes to Interdepartment Charges & Fringe Benefits	OMone-10		
POWER	Power Costs	OMone-11		
CHEM	Chemical Costs	OMone-12		Adjustment for Bucks Odor Control
SPC	Summary of Water and Sewer Power and Chemical Co	OMone-13		
BYROM	Summary of FY 2008 O&M Expense	OMone-14		

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "OMtwo" worksheet develops projected O&M expenses for each of the Water and Sewer utilities.

Range	Description	Page Number	Table	
OMTwoIN	Index	OMtwo-1		
POM1	Total Projected O&M Expense - Page 1	OMtwo-2		
POM2	Total Projected O&M Expense - Page 2	OMtwo-3		
TRANS	Transfers	OMtwo-4		
PCSUPPORT1	Allocation Percents for Support Costs	OMtwo-4a		
PCSUPPORT2	Allocation Percents for Support Costs	OMtwo-4b		
PCSUPPORT3	Allocation Percents for Support Costs	OMtwo-4c		
PWOM1	Projected Water O&M Expense - Page 1	OMtwo-5		
PWOM2	Projected Water O&M Expense - Page 2	OMtwo-6		
PSOM1	Projected Sewer O&M Expense - Page 1	OMtwo-7		
PSOM2	Projected Sewer O&M Expense - Page 2	OMtwo-8		
OP1001	Operations O&M Class 100 - Page1	OMtwo-9		
OP1002	Operations O&M Class 100 - Page2	OMtwo-10		
OP2001	Operations O&M Class 200 - Page 1	OMtwo-11		
OP2002	Operations O&M Class 200 - Page 2	OMtwo-12		
OP3001	Operations O&M Class 300 - Page 1	OMtwo-13		
OP3002	Operations O&M Class 300 - Page 2	OMtwo-14		
OP4001	Operations O&M Class 400 - Page 1	OMtwo-15		
OP4002	Operations O&M Class 400 - Page 2	OMtwo-16		
WATER_LE	Water Utility Liquidated Encumbrances	OMtwo-17		
SEWER_LE	Sewer Utility Liquidated Encumbrances	OMtwo-18		
WUTYOM	Summary of Water Utility Test Year O&M Expens	OMtwo-19		
PWOMT	Projected Water O&M Table	OMtwo-20	Tbls-2	
PSOMT	Projected Sewer O&M Table	OMtwo-21	Tbls-7	
PWSOMT	Projected Water & Sewer O&M Table	OMtwo-22		
OPBUD	Budget Year Operations Division Budget	OMtwo-23		NOT IN USE

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Debt" worksheet develops projected debt service by utility for existing debt.

Range	Description	Page Number	Table
DBTIN	INDEX	Debt-01	
Debt1	FY 2008 Debt	Debt-02	
Debt2	FY 2009 Debt	Debt-03	
Debt3	FY 2010 Debt	Debt-04	
Debt4	FY 2011 Debt	Debt-05	
Debt5	FY 2012 Debt	Debt-06	
Debt6	FY 2013 Debt	Debt-07	
Debt7	FY 2014 Debt	Debt-08	
Debt8	FY 2015 Debt	Debt-09	
Debt9	FY 2016 Debt	Debt-10	
DBTSUM	Debt Summary	Debt-11	

		Interest Rate		
500	1 st			
513	14 th			
514	15 th			
515	16 th			
516	1993			
518A	1995			
518B	1997	4.00%	99137.0100, BD-17	4.00%
519	1998			
520	1999			
522	2001			
523	2003	4.52%	135647.0100, BD-18a	4.52%
524	2005A			
525	2005B	4.53%		4.53%
G.O.	Variable			
xxxxxxxx				

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Rreq" worksheet summarizes the projected capital improvement program, develops capital improvement program financing, summarizes revenue requirements, and develops projected cash flows on a combined and individual basis for the Water and Sewer utilities.

Range	Description	Page Number	Table
RreqIN	INDEX	Rreq-1	
RreqIMP	Input Parameters	Rreq-2	
WRER	Projected Water Revenue Under Existing Rates	Rreq-3	
SRER	Projected Sewer Revenue Under Existing Rates	Rreq-4	
EDBT	Existing Debt Service Excluding Penn Vest Loans	Rreq-5	
POME	Projected O&M Expenditures	Rreq-6	
CIP	Capital Improvement Program	Rreq-7	
NCFR	Net Cash Financing Required	Rreq-8	
CCIP	Projected Water and Sewer CIP	Rreq-9	
WCIP	Projected Water Utility CIP	Rreq-10	Tbls-3
SCIP	Projected Sewer Utility CIP	Rreq-11	Tbls-8
CFOF	Capital Flow of Funds	Rreq-12	
WFOF	Water CIP Flow of Funds	Rreq-13	Tbls-4
SFOF	Sewer CIP Flow of Funds	Rreq-14	Tbls-9
CONST	Interest Earnings on Construction Fund	Rreq-15	
DBTRSV	Interest Earnings on Debt Service Reserve Fund	Rreq-16	
OPER	Interest Earnings on Operating Fund	Rreq-17	
RESID	Interest Earnings on Residual Fund	Rreq-18	
RTSTBL	Interest Earnings on Rate Stabilization Fund	Rreq-19	
NBR	Detail of Non-Bond Sources	Rreq-20	
ONOI	Other Non Operating Income	Rreq-21	
CCF	Cashflow - Water & Sewer Combined	Rreq-22	Tbls-11
WCF	Water Cashflow	Rreq-23	Tbls-12
SCF	Sewer Cashflow	Rreq-24	Tbls-13
WDBT	Water Existing & Proposed Water Debt Service	Rreq-25	Tbls-5
SDBT	Sewer Existing & Proposed Water Debt Service	Rreq-26	Tbls-10
WCOS	Test Year Water Cost of Service	Rreq-27	Tbls-14
SCOS	Test Year Sewer Cost of Service	Rreq-28	Tbls-26
WPTR	Water Utility Receipts Under Existing Rates	Rreq-29	Tbls-1
SPTR	Sewer Utility Receipts Under Existing Rates	Rreq-30	Tbls-6
ACFR	Annual Cash Financing Requirements	Rreq-31	
DIFFERENCE	Combined Less Individual Cash Flows	Rreq-32	
CFMETHOD	Cash Flow Revenue Increase Methodology	Rreq-33	

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Cust" worksheet summarizes wholesale, retail, and surcharge water and sewer utility historical customer class number of accounts, usage and billings, projected water and sewer utility customer class number of accounts and usage, and projected sewer utility receipts.

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PA_U	Projected Accounts & Usage	Cust-9		
HPSC	Historical and Projected Senior Citizens	Cust-10		
HTS	Historical Township Strength	Cust-11		
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WSU	Test Year Water/Sewer Units	Cust-23		
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CFA2	Collection Factor Analysis - Page 2	Cust-30		Currently not in use
CFA3	Collection Factor Analysis - Page 3	Cust-31		Currently not in use
CFA4	Collection Factor Analysis - Page 4	Cust-32		Currently not in use

CURRENTLY NOT IN USE

References: Customer_Data_Calcs.xls (page 2)

SERVICE CODE Y2

Private Fire (Unmetered Fire Connections)

Year (a)	(1) Accounts	(2) Bills (1) x 12	(3) Usage (Mcf)	(4) Billings $	(5) Billings per Acct. $/Acct. (4) / (1)		Growth in Accounts	
2002	3,446	41,352	Unmetered	955,333	277.23	x		
2003	3,500	42,000	Unmetered	1,125,323	321.52	x	54	1.6%
2004	3,581	42,972	Unmetered	1,278,984	357.16	x	81	2.3%
2005	3,714	44,568	Unmetered	1,338,104	360.29	x	133	3.7%
2006	3,785	45,420	Unmetered	1,523,004	402.38	x	71	1.9%
2007	3,894	46,728	Unmetered	1,566,416	402.26	x	109	2.9%
				Average ==>	353.47		89.60	2.5%
Projected FY 2008				0	403.12			
Assume annual increase	0.0%							

References: Customer_Data_Calcs.xls (page 2)

SERVICE CODE Y1

Fire Meters

	(1) Accounts	(2) Bills (1) x 12	(3) Usage (Mcf)	(4) Water Billings $	(5) Unit Billings $/account		Growth in Accounts	
2002	187	2,244	633	63,736	340.83	x		
2003	186	2,232	897	76,186	409.60	x	(1)	-0.5%
2004	182	2,184	3,251	104,011	571.49	x	(4)	-2.2%
2005	175	2,100	2,709	106,294	607.39	x	(7)	-3.8%
2006	172	2,064	3,038	122,470	712.03	x	(3)	-1.7%
2007	163	1,956	2,005	101,761	624.30	x	(9)	-5.2%
				Average ==>	544.28			-2.7%
Project FY 2008	163		2,750	118,000	726.00			
Assume annual increase	0.0%							

References: Customer_Data_Calcs.xls (page 7 & page 9)

MUNICIPAL (W&S & W ONLY)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
		Public Fire Protection (Y2)					Water and Sewer Usage and Billings							
									W&S and W Only		W&S and S Only		Total	
Year		Accounts	Bills	Usage Mcf	Billings $	Billings per Acct. $/Acct.	Accounts	Bills	Usage Mcf	Water Billings $	Usage Mcf	Sewer Billings $	Municipal Billings $	References
			(1) x 4			(4) / (1)		(6) x 12						
2002	x	82	328		25,281	308.30	1,178	14,136	546,180	5,057,556	687,335	10,655,000	15,712,556	x - Revised W&S & S Only Usage
2003	x	77	308		25,558	331.92	1,133	13,596	594,155	6,463,217	736,200	13,219,364	19,682,581	x - Included PWD Accounts
2004	x	72	288		7,552,573	104,896.85	1,107	13,284	541,626	6,368,412	677,798	14,132,914	20,501,326	x - Included PWD Accounts
2005	x	67	268		7,567,200	112,943.28	1,068	12,816	630,926	7,843,286	753,850	15,833,136	23,676,422	x - Included PWD Accounts
2006	x	64	256		6,977,938	109,030.28	1,059	12,708	621,979	8,750,292	761,806	17,205,488	25,955,779	x - Included PWD Accounts
2007	x	66	264		7,006,640	106,161.21	1,039	12,468	347,431	7,189,376	574,793	13,876,094	21,065,470	x - EXCLUDES PWD Accounts
Project FY 2008									460,000		535,000			

Adjusted FY 2007 Revenue (projection basis)	7,006,640
FY 2008 Revenue Increase	
	0

	Accounts		
Avg 2002 - 2007	1,097	31%	69%
Avg 2004 - 2007	1,068	33%	67%
Avg 2005 - 2007	1,055	34%	66%
Avg 2006 - 2007	1,049	34%	66%
Project FY 2008			

References: Customer_Data_Calcs.xls (page 2)

Historical Number of Accounts
Water and Sewer plus Water Only

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
General Service (a)							
5/8" Meter							
Senior Citizens (D)	36,302	33,502	30,970	27,626	25,111	18,637	
Other (4, G, H, P, W, Z)	416,167	418,422	420,100	423,133	424,902	430,778	
Total 5/8"	452,469	451,924	451,070	450,759	450,013	449,415	
> 5/8" Meter							
Senior Citizens (D)	33	22	14	11	9	3	
Other (4, G, H, P, W, Z)	11,824	11,414	11,087	10,794	10,511	10,236	
Total > 5/8"	11,857	11,436	11,101	10,805	10,520	10,239	
Total General Service	464,326	463,360	462,171	461,564	460,533	459,654	
Housing Authority (A)	5,841	5,857	5,887	5,972	6,258	6,195	
Charities & Schools							
"6 Cent" (C, E, L)	2,843	2,910	2,822	2,840	2,849	2,878	
"N" (N)	361	353	353	356	351	341	
Total Charities & Schools	3,204	3,263	3,175	3,196	3,200	3,219	
City Leased Property (821) (b)							
Unmetered (Flat Rate) (S)	1	0	0	0	0	0	
Municipal (820)	1,178	1,133	1,107	1,068	1,059	1,039	Cust-5
Total	474,550	473,613	472,340	471,800	471,050	470,107	
Total (less Municipal)	473,372	472,480	471,233	470,732	469,991	469,068	

2002
Revised Housing Authority (minor edit - reduced by three accounts)
Revised N Charities - Increased by one account

2003
Revised Housing Authority (minor edit - reduced by one account)

(a) Includes W&S and W only and Suburbs. Excludes Bucks County and Municipals.
(b) Included with General Service.

Reference: Customer_Data_Cales.xls (page 2)

W&S and W only

	(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
	5/'8"" Meters' (Including SC) (a)			> 5/8" Meters (Including SC) (a)			Total General Service Billings $ (2)+(5)	Cumulative Percent Change Since 2002	Housing Authority		
	Water Sales Mcf	Billings Total $	Billings Average $/Mcf (2) / (1)	Water Sales Mcf	Billings Total $	Billings Average $/Mcf (5) / (4)			Water Sales Mcf	Billings Total $	Billings Average $/Mcf (9) / (8)
2002	4,439,220	70,769,799	15.942 x	2,195,602	23,413,309	10.664 x	94,183,108		195,417	2,212,422	11.322 x
2003	4,381,449	81,023,049	18.492 x	2,161,627	26,829,483	12.412 x	107,852,532	14.5%	209,637	2,714,482	12.948 x
2004	4,291,113	87,370,596	20.361 x	2,264,419	29,063,487	12.835 x	116,434,083	23.6%	162,866	2,533,072	15.553 x
2005	4,210,682	92,195,135	21.896 x	1,972,412	29,631,183	15.023 x	121,826,318	29.4%	219,356	3,306,947	15.076 x
2006	4,085,343	100,675,879	24.643 x	2,263,339	35,325,922	15.608 x	136,001,800	44.4%	240,840	4,005,110	16.630 x
2007	4,004,601	106,455,020	26.583 x	2,133,709	36,201,626	16.967 x	142,656,646	51.5%	204,518	3,852,976	18.839 x

	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
	Charities & Schools			City Leased Properties (CD821) (b)			Bucks County		Aqua PA		Unmetered (Flat Rate)	
	Water Sales Mcf Wrev-3	Billings Total $ Wrev-3	Billings Average $/Mcf (12) / (11)	Water Sales Mcf	Billings Total $	Billings Average $/Mcf (15) / (14)	Water Sales Mcf BD-6	Total Billings $ BD-6	Water Sales Mcf BD-6	Billings Total $ BD-6	Water Sales Mcf	Billings Total $
2002	582,940	4,685,085	8.037 x			- na -	715,976	2,861,824 x	18,836	175,835 x	0	60 x
2003	575,893	5,371,877	9.328 x			- na -	743,784	2,982,483 x	244,068	1,979,646 x	0	0 x
2004	544,384	5,578,338	10.247 x (Revised)			- na -	742,126	3,097,489 x	213,825	2,264,156 x	0	0 x
2005	517,295	5,679,979	10.980 x			- na -	737,110	3,861,861 x	189,694	2,376,385 x	0	0 x
2006	550,288	6,661,972	12.106 x			- na -	761,176	4,030,504 x	176,372	2,399,220 x	0	0 x
2007	501,050	6,678,730	13.329 x			- na -	709,198	4,232,558 x	209,013	3,080,787 x	0	0 x

(a) Includes W&S and W only and Suburbs. Excludes Bucks County and Municipals.
(b) Included with General Service.

	Ref.	2002	2003	2004	2005	2006	2007	Avg 2002 - 2007	Avg 2003 - 2007	Avg 2004 - 2007	Avg 2005 - 2007	Avg 2006 - 2007	Project FY 2008	Assume Annual Increase
Number of Customers (End of Year)														
General Service 5/8 inch Meter (incl Sr Citizens) Service Codes 4, D, G, H, P, W, Z	Cust-6	452,469	451,924	451,070	450,759	450,013	449,415	450,942	450,636	450,314	450,063	449,714		
General Service > 5/8 inch Meter (incl Sr Citizens) Service Codes 4, G, H, P, W, Z	Cust-6	11,857	11,436	11,101	10,805	10,520	10,239	10,993	10,820	10,666	10,521	10,380		
Housing Authority Service Code A	Cust-6	5,841	5,857	5,887	5,972	6,258	6,195	6,002	6,034	6,078	6,142	6,227		
Charities & Schools Service Codes C, E, L and N	Cust-6	3,204	3,263	3,175	3,196	3,200	3,219	3,210	3,211	3,198	3,205	3,210		
City Properties Leased Service Code 821 (a)	Cust-6												0	
Unmetered Service Code S	Cust-6	1						1					0	
Customers Growth														
General Service 5/8 inch Meter (incl Sr Citizens) Service Codes 4, D, G, H, P, W, Z			(545)	(854)	(311)	(746)	(598)	(611)	(611)	(627)	(552)	(672)		(600)
General Service > 5/8 inch Meter (incl Sr Citizens) Service Codes 4, G, H, P, W, Z			(421)	(335)	(296)	(285)	(281)	(324)	(324)	(299)	(287)	(283)		(300)
Housing Authority Service Code A			16	30	85	286	(63)	71	71	85	103	112		70
Charities & Schools Service Codes C, E, L and N			59	(88)	21	4	19	3	3	(11)	15	12		0
City Properties Leased Service Code 821 (a)			0	0	0	0	0							
Unmetered Service Code S			(1)	0	0	0	0	(0)	(0)					0
Average Annual Use per Customer - Mcf/customer														
General Service 5/8 inch Meter (incl Sr Citizens) Service Codes 4, D, G, H, P, W, Z	Cust-7	9.81	9.70	9.51	9.34	9.08	8.91	9.39	9.31	9.21	9.11	9.00	8.80	
General Service > 5/8 inch Meter (incl Sr Citizens) Service Codes 4, G, H, P, W, Z	Cust-7	185.17	189.02	203.98	182.55	215.15	208.39	197.38	199.82	202.52	202.03	211.77	200.00	
Housing Authority Service Code A	Cust-7	33.46	35.79	27.67	36.73	38.49	33.01	34.19	34.34	33.98	36.08	35.75	35.00	
Charities & Schools Service Codes C, E, L, and N	Cust-7	181.94	176.49	171.46	161.86	171.97	155.65	169.90	167.49	165.24	163.16	163.81	165.00	
City Properties Leased Service Code 821 (a)	Cust-7												0.00	
Unmetered Service Code S	Cust-7												0.00	

(a) Included with General Service in this update.

	Reference	Actual Accounts 2002	Actual Accounts 2003	Actual Accounts 2004	Actual Accounts 2005	Actual Accounts 2006	Actual Accounts 2007	Projected Accounts 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
General Service																
5/8" Meter	Cust-8	452,469	451,924	451,070	450,759	450,013	449,415	448,815	448,215	447,615	447,015	446,415	445,815	445,215	444,615	448,215
> 5/8" Meter	Cust-8	11,857	11,436	11,101	10,805	10,520	10,239	9,939	9,639	9,339	9,039	8,739	8,439	8,139	7,839	9,639
Total General Service		464,326	463,360	462,171	461,564	460,533	459,654	458,754	457,854	456,954	456,054	455,154	454,254	453,354	452,454	457,854
Housing Authority	Cust-8	5,841	5,857	5,887	5,972	6,258	6,195	6,265	6,335	6,405	6,475	6,545	6,615	6,685	6,755	6,335
Charities & Schools	Cust-8	3,204	3,263	3,175	3,196	3,200	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219
Bucks County		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
City Leased Properties (821) (a)	Cust-8							0	0	0	0	0	0	0	0	0
Unmetered	Cust-8	1						0	0	0	0	0	0	0	0	0
Municipal (820) (b)	Cust-5	1,447	1,396	1,361	1,310	1,295	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268
Private Fire	Cust-3	3,446	3,500	3,581	3,714	3,785	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894
Fire Hydrants		27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800	27,800
Total		478,266	477,377	476,176	475,757	475,072	474,231	473,401	472,571	471,741	470,911	470,081	469,251	468,421	467,591	472,571

		Actual Usage 2003 Mcf	Actual Usage 2004 Mcf	Actual Usage 2005 Mcf	Actual Usage 2006 Mcf	Actual Usage 2007 Mcf	Projected Usage (Mcf) — Projected number of Accounts (above) x Projected Average Use per Customer (Cust-8) 2008 Mcf	2009 Mcf	2010 Mcf	2011 Mcf	2012 Mcf	2013 Mcf	2014 Mcf	2015 Mcf	FY 2009 Test Year Mcf
General Service															
5/8" Meter	Cust-7	4,381,449	4,291,113	4,210,682	4,085,343	4,004,601	3,949,600	3,904,000	3,858,400	3,813,000	3,767,700	3,727,000	3,686,400	3,645,800	3,904,000
> 5/8" Meter	Cust-7	2,161,627	2,264,419	1,972,412	2,263,339	2,133,709	1,987,800	1,927,800	1,867,800	1,807,800	1,747,800	1,687,800	1,627,800	1,567,800	1,927,800
Total General Service		6,543,076	6,555,532	6,183,093	6,348,682	6,138,311	5,937,400	5,831,800	5,726,200	5,620,800	5,515,500	5,414,800	5,314,200	5,213,600	5,831,800
Housing Authority	Cust-7	209,637	162,866	219,356	240,840	204,518	219,300	221,700	224,200	226,600	229,100	231,500	234,000	236,400	221,700
Charities & Schools	Cust-7	575,893	544,384	517,295	550,288	501,050	531,100	531,100	531,100	531,100	531,100	531,100	531,100	531,100	531,100
Bucks County (c)	Cust-7	743,784	742,126	737,110	761,176	709,198	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000
City Leased Properties (821) (a)	Cust-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unmetered	Cust-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipal (820) (b)	Cust-5	595,052	544,877	633,635	625,016	349,435	460,000	460,000	460,000	460,000	460,000	460,000	460,000	460,000	460,000
Private Fire	Cust-3	Unmetered	Unmetered	Unmetered	Unmetered	Unmetered	0	0	0	0	0	0	0	0	0
Fire Hydrants		27,800													0
		8,695,240	8,549,784	8,290,489	8,526,002	7,902,511	7,872,800	7,769,600	7,666,500	7,563,500	7,460,700	7,362,400	7,264,300	7,166,100	7,769,600

(a) Included with General Service.
(b) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).
(c) See Cust-7 for historical Bucks County usage. Assume projections will increase annually at 0.00% from an average of last 2 years usage. See Wrev-8. Changed to a flat 725,000 per JRM on 09/30/2003.

Assumed Bucks County Growth 0.00% Wrev-8

Reference: Customer_Data_Cales.xls (page 2)

SERVICE CODE D1

Senior Citizens

		5/8" Meter					> 5/8" Meter				
		(1)	(2)	(3)	(4)		(5)	(6)	(7)	(8)	
		No. of Accounts Cust-6	Difference	Water Sales Mcf	Average Usage Mcf/acct (3)/(1)		No. of Accounts Cust-6	Difference	Water Sales Mcf	Average Usage Mcf/acct (7)/(5)	
HISTORICAL											
2002		36,302		238,148	6.56 x		33		605	18.34 x	
2003		33,502	(2,800)	220,872	6.59 x		22	(11)	311	14.11 x	
2004		30,970	(2,532)	204,121	6.59 x		14	(8)	219	15.61 x	
2005		27,626	(3,344)	179,522	6.50 x		11	(3)	252	22.92 x	
2006		25,111	(2,515)	159,545	6.35 x		9	(2)	188	20.83 x	
2007		18,637	(6,474)	111,515	5.98 x		3	(6)	29	9.77 x	
5 Year Avg	2002 - 2007	28,691	(3,533)	185,621	6.43	2002 - 2007	15	(6)	267	16.93	
4 Year Avg	2004 - 2007	25,586	(3,716)	163,676	6.36	2004 - 2007	9	(5)	172	17.28	
3 Year Avg	2005 - 2007	23,792	(4,111)	150,194	6.28	2005 - 2007	8	(4)	156	17.84	
2 Year Avg	2006 - 2007	21,874	(4,494)	135,530	6.17	2006 - 2007	6	(4)	108	15.30	
	USE		(1,080)		6.00	USE		0		17.00	(Estimated to project 100 Mcf Water Sales)
PROJECTED											
2008		17,557		105,300	6.00		3	0	100	17.00	
2009		16,477		98,900	6.00		3	0	100	17.00	Projected sales volumes reflects anticipated decrease similar to combined General Service (CUST-8)
2010		15,397		92,400	6.00		3	0	100	17.00	
2011		14,317		85,900	6.00		3	0	100	17.00	
2012		13,237		79,400	6.00		3	0	100	17.00	
2013		12,157		72,900	6.00		3	0	100	17.00	
2014		11,077		66,500	6.00		3	0	100	17.00	
2015		9,997		60,000	6.00		3	0	100	17.00	

Reference: 2002 Data: #99137.0100, BD-3.0 2003 Data: #135647.100 BD-6a
2004 - 2007 Data: BD-6

		NEWPCP							SWWPCP					SEWPCP	
		Abington	Bensalem	Bucks County	Cheltenham	Lower Moreland	Lower Southampton	Total NEWPCP	Delcora	Lower Merion	Springfield (Exc Wyndmr)	Upper Darby	Total SWWPCP	Springfield (Wyndmoor)	Total Townships
FY 2002	Flow (mg)	629.791	1,088.177	5,835.400	2,282.312	243.888	1,777.310	11,856.878	10,825.290	2,295.062	758.976	3,847.603	17,726.931	232.057	29,815.866
	BOD (1,000 lbs)	818.74	2,206.47	9,009.12	2,208.04	240.35	2,686.97	17,169.689	17,132.36	2,734.99	701.15	4,267.84	24,836.336	127.81	42,133.837
	SS (1,000 lbs)	963.19	2,008.07	12,286.46	2,513.63	321.28	4,127.03	22,219.653	20,776.37	3,170.61	793.86	5,005.88	29,746.718	160.91	52,127.276
	BOD (mg/l)	156	243	185	116	118	181	174	190	143	111	133	168	66	169
	SS (mg/l)	183	221	252	132	158	278	225	230	166	125	156	201	83	210
FY 2003	Flow (mg)	617.882	1,158.179	7,376.820	2,277.408	320.543	1,902.262	13,653.094	12,097.110	2,409.301	756.220	3,847.603	19,110.234	178.908	32,942.236
	BOD (1,000 lbs)	803.54	2,206.29	8,862.40	2,202.07	310.93	2,700.11	17,085.341	15,953.12	2,907.67	699.15	4,267.84	23,827.779	103.43	41,016.554
	SS (1,000 lbs)	945.01	1,946.88	10,820.91	2,506.82	416.53	4,168.28	20,804.433	19,886.21	3,386.29	791.39	5,005.89	29,069.770	129.88	50,004.083
	BOD (mg/l)	156	228	144	116	116	170	150	158	145	111	133	150	69	149
	SS (mg/l)	183	202	176	132	156	263	183	197	169	125	156	182	87	182
FY 2004	Flow (mg)	677.717	1,216.548	7,713.980	2,290.608	365.977	2,128.841	14,393.671	12,165.160	2,513.574	766.257	4,362.628	19,807.619	215.505	34,416.795
	BOD (1,000 lbs)	879.89	2,479.32	8,777.01	2,214.80	357.46	2,330.50	17,038.974	14,011.77	3,041.86	710.14	4,839.11	22,602.886	120.22	39,762.081
	SS (1,000 lbs)	1,036.33	2,055.04	11,215.57	2,520.09	478.41	3,469.70	20,775.141	15,126.52	3,544.07	802.87	5,675.95	25,149.412	151.25	46,075.798
	BOD (mg/l)	156	244	136	116	117	131	142	138	145	111	133	137	67	139
	SS (mg/l)	183	203	174	132	157	195	173	149	169	126	156	152	84	161
FY 2005	Flow (mg)	696.576	1,264.784	7,376.544	2,310.656	396.928	2,417.368	14,462.856	12,547.124	2,575.796	832.552	4,622.176	20,577.648	201.376	35,241.880
	BOD (1,000 lbs)	903.96	2,425.27	9,702.48	2,230.73	393.31	2,058.91	17,714.664	13,610.85	3,092.27	1,111.72	5,127.01	22,941.848	113.74	40,770.252
	SS (1,000 lbs)	1,065.11	2,168.99	11,402.92	2,535.12	525.36	2,831.40	20,528.900	16,688.86	3,614.31	1,140.55	6,013.64	27,457.360	143.00	48,129.256
	BOD (mg/l)	156	230	158	116	119	102	147	130	144	160	133	134	68	139
	SS (mg/l)	183	206	185	132	159	140	170	159	168	164	156	160	85	164
FY 2006	Flow (mg)	804.444	1,077.133	6,943.140	2,378.195	456.716	2,503.116	14,162.744	9,148.520	2,207.106	774.378	3,861.647	15,991.651	154.572	30,308.967
	BOD (1,000 lbs)	1,041.60	2,269.36	10,104.60	2,297.93	465.92	2,099.17	18,278.582	10,950.00	2,670.30	1,561.62	4,283.42	19,465.330	92.27	37,836.183
	SS (1,000 lbs)	1,229.75	2,093.62	12,750.91	2,614.34	619.92	3,306.94	22,615.470	11,183.35	3,106.32	1,744.23	5,024.16	21,058.061	115.67	43,789.204
	BOD (mg/l)	155	253	175	116	122	101	155	144	145	242	133	146	72	150
	SS (mg/l)	183	233	220	132	163	158	191	147	169	270	156	158	90	173
FY 2007	Flow (mg)	860.284	1,292.327	7,538.160	3,411.833	533.045	2,354.362	15,990.011	11,668.433	2,740.263	1,279.240	4,681.746	20,369.682	187.215	36,546.908
	BOD (1,000 lbs)	1,112.85	2,532.16	9,885.16	3,371.21	545.59	3,500.46	20,947.425	11,113.88	3,286.31	2,686.23	5,193.09	22,279.505	107.25	43,334.175
	SS (1,000 lbs)	1,314.97	2,499.41	11,206.81	3,859.82	725.60	5,406.94	25,013.553	11,954.75	3,839.31	2,754.88	6,091.14	24,640.078	134.73	49,788.361
	BOD (mg/l)	155	235	157	118	123	178	157	114	144	252	133	131	69	142
	SS (mg/l)	183	232	178	136	163	275	188	123	168	258	156	145	86	163
2005 - 2007	Flow (mg)	787.10	1,211.42	7,285.95	2,700.23	462.23	2,424.95	14,871.871	11,121.36	2,507.72	962.06	4,388.52	18,979.661	181.05	34,032.586
3 Yr. Avg.	BOD (1,000 lbs)	1,019.47	2,408.93	9,897.41	2,633.29	468.27	2,552.85	18,980.222	11,891.58	3,016.29	1,786.52	4,867.84	21,562.227	104.42	40,646.868
	SS (1,000 lbs)	1,203.28	2,254.01	11,786.88	3,003.09	623.63	3,848.43	22,719.308	13,275.65	3,519.98	1,879.89	5,709.64	24,385.166	131.13	47,235.607
	BOD (mg/l)	155	238	163	117	121	126	153	128	144	223	133	136	69	143
	SS (mg/l)	183	223	194	133	162	190	183	143	168	234	156	154	87	166
2006 - 2007	Flow (mg)	832.36	1,184.73	7,240.65	2,895.01	494.88	2,428.74	15,076.378	10,408.48	2,473.69	1,026.81	4,271.70	18,180.668	170.89	33,427.940
2 Yr. Avg.	BOD (1,000 lbs)	1,077.23	2,400.76	9,994.88	2,834.57	505.76	2,799.82	19,613.004	11,031.94	2,978.31	2,123.92	4,738.25	20,872.419	99.76	40,585.181
	SS (1,000 lbs)	1,272.36	2,296.51	11,978.86	3,237.08	672.76	4,356.94	23,814.512	11,569.05	3,472.82	2,249.56	5,557.65	22,849.070	125.20	46,788.784
	BOD (mg/l)	155	243	166	117	123	138	156	127	144	248	133	138	70	146
	SS (mg/l)	183	232	198	134	163	215	189	133	168	263	156	151	88	168

	Reference	(1) Abington mg	(2) Bensalem mg	(3) Bucks County mg	(4) Cheltenham mg	(5) DELCORA mg	(6) Lower Merion mg	(7) Lower Moreland mg	(8) Lower Southampton mg	(9) Springfield (Wyndmoor) mg	(10) Springfield (ex. Wynd.) mg	(11) Upper Darby mg	(12) Total mg	Average Flow mgd	
Historical															
FY 2002	Cust-11	629.791	1,088.177	5,835.400	2,282.312	10,825.290	2,295.062	243.888	1,777.310	232.057	758.976	3,847.603	29,815.866	81.687	
FY 2003	Cust-11	617.882	1,158.179	7,376.820	2,277.408	12,097.110	2,409.301	320.543	1,902.262	178.908	756.220	3,847.603	32,942.236	90.253	
FY 2004	Cust-11	677.717	1,216.548	7,713.980	2,290.608	12,165.160	2,513.574	365.977	2,128.841	215.505	766.257	4,362.628	34,416.795	94.293	
FY 2005	Cust-11	696.576	1,264.784	7,376.544	2,310.656	12,547.124	2,575.796	396.928	2,417.368	201.376	832.552	4,622.176	35,241.880	96.553	
FY 2006	Cust-11	804.444	1,077.133	6,943.140	2,378.195	9,148.520	2,207.106	456.716	2,503.116	154.572	774.378	3,861.647	30,308.967	83.038	
FY 2007	Cust-11	860.284	1,292.327	7,538.160	3,411.833	11,668.433	2,740.263	533.045	2,354.362	187.215	1,279.240	4,681.746	36,546.908	100.129	
Five year average =		731	1,202	7,390	2,534	11,525	2,489	415	2,261	188	882	4,275	33,891		
Three year average =		787	1,211	7,286	2,700	11,121	2,508	462	2,425	181	962	4,389	34,033		
Two year average =		832	1,185	7,241	2,895	10,408	2,474	495	2,429	171	1,027	4,272	33,428		
USE		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275			
PREVIOUS STUDY INPUT		545	1,170	6,700	2,300	9,300	2,625	255	1,775	230	825	3,850			PROVIDED FOR COMPARISON ONLY
Projected															
FY 2008		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2009		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2010		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2011		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2012		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2013		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2014		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
FY 2015		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	
Test Year 2009		800	1,200	7,250	2,700	10,500	2,475	475	2,425	160	1,000	4,275	33,260	91.123	

Township	Projected BOD mg/l	Projected SS mg/l	2005 - 2007 Historical 3 Yr. Avg. BOD mg/l Cust-11	2005 - 2007 Historical 3 Yr. Avg. SS mg/l Cust-11	2006 - 2007 Historical 2 Yr. Avg. BOD mg/l Cust-11	2006 - 2007 Historical 2 Yr. Avg. SS mg/l Cust-11	USED IN P.N. 135647.0100 BOD mg/l	USED IN P.N. 135647.0100 SS mg/l	USED IN P.N. 135647.0100 BOD mg/l	USED IN P.N. 135647.0100 SS mg/l	USED IN P.N. 135647.0100 BOD mg/l	USED IN P.N. 135647.0100 SS mg/l	USED IN P.N. 135647.0100 BOD mg/l	USED IN P.N. 135647.0100 SS mg/l	USED IN P.N. 135647.0100 BOD mg/l	USED IN P.N. 135647.0100 SS mg/l
Abington	155	183	155	183	155	183	156	183	156	183	156	183	156	183	156	183
Bensalem	238	223	238	223	243	232	235	221	235	221	235	221	235	221	235	221
Bucks County	163	194	163	194	166	198	154	200	154	200	154	200	154	200	154	200
Cheltenham	117	133	117	133	117	134	116	132	116	132	116	132	116	132	116	132
DELCORA	128	143	128	143	127	133	164	198	164	198	164	198	164	198	164	198
Lower Merion	144	168	144	168	144	168	144	167	144	167	144	167	144	167	144	167
Lower Moreland	121	150	121	162	123	163	117	157	117	157	117	157	117	157	117	157
Lower Southampton	126	190	126	190	138	215	176	270	176	270	176	270	176	270	176	270
Springfield (less Wyndmoor)	223	234	223	234	248	263	111	125	111	125	111	125	111	125	111	125
Springfield (Wyndmoor)	69	87	69	87	70	88	67	85	67	85	67	85	67	85	67	85
Upper Darby	133	156	133	156	133	156	133	156	133	156	133	156	133	156	133	156

3 Year average

Ref: #13041; A-30 & 16281.300; A-24

Conversion Factor: mg --> Mcf 134

	Reference	Abington	Bensalem	Bucks County	Cheltenham	Lower Moreland	Lower Southampton	DELCORA	Lower Merion	Springfield (Less Wyndmoor	Upper Darby	Springfield (Wyndmoor)	
FY 2006 Billing Units													
Volume (Mcf)	Cust-12	108,000	144,000	928,000	318,000	61,000	335,000	1,223,000	295,000	104,000	516,000	21,000	
Capacity (cfs)	File: SCOS08.xls, Units-2	9.247	11.740	85.080	20.750	5.941	15.790	155.000	31.570	4.600	35.000	1.930	Reflects Lower Moreland Capacity assumed for current rate projections.
SS (1,000 lbs.)	Calc from Cust-13	1,233	2,003	11,232	2,639	571	3,971	10,911	3,092	1,518	5,022	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,044	2,138	9,437	2,321	460	2,633	9,766	2,650	1,447	4,282	90	
FY 2007 Billing Units													
Volume (Mcf)	Cust-12	115,000	173,000	1,008,000	456,000	71,000	315,000	1,560,000	366,000	171,000	626,000	25,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,313	2,407	12,200	3,784	664	3,734	13,917	3,836	2,496	6,093	136	
BOD (1,000 lbs.)	Calc from Cust-13	1,112	2,569	10,251	3,328	536	2,476	12,458	3,288	2,379	5,194	108	
FY 2008 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	Reflects Lower Moreland Capacity assumed for current rate projections.
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2009 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2010 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2011 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2012 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2013 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2014 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	
FY 2015 Billing Units													
Volume (Mcf)	Cust-12	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000	
Capacity (cfs)		9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300	
SS (1,000 lbs.)	Calc from Cust-13	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114	
BOD (1,000 lbs.)	Calc from Cust-13	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90	

	Abington	Bensalem	Bucks County	Cheltenham	Lower Moreland	Lower Southampton	DELCORA	Lower Merion	Springfield (Less Wyndmoor	Upper Darby	Springfield (Wyndmoor)
Test Year 2009											
Volume (Mcf)	107,000	160,000	969,000	361,000	63,000	324,000	1,404,000	331,000	134,000	571,000	21,000
Capacity (cfs)	9.2470	11.7400	85.0800	20.7500	5.9410	15.7900	155.0000	31.5700	4.6000	35.0000	1.9300
SS (1,000 lbs.)	1,222	2,226	11,728	2,995	590	3,841	12,526	3,469	1,956	5,557	114
BOD (1,000 lbs.)	1,035	2,376	9,854	2,635	476	2,547	11,212	2,974	1,864	4,738	90

	BD-27.1	Abington	Bensalem	Bucks County	Cheltenham	Lower Moreland	Lower Southampton	DELCORA	Lower Merion	Springfield (ex. Wyndmoor)	Upper Darby	Springfield (Wyndmoor)
FY 2008 Existing (New) Rates		NE	NE	NE	NE	NE	NE	SW	SW	SW	SW	SE
Volume ($/Mcf)		1.0735	1.0735	1.0735	1.0052	1.0735	1.0735	0.9441	0.9719	1.1856	0.9719	1.5780
Capacity ($/cfs)		4,574	4,574	4,574	2,137	4,574	4,574	3,785	3,848	8,868	3,848	8,066
SS ($/1,000 lbs.)		154.1567	154.1567	154.1567	154.1567	154.1567	154.1567	159.9671	162.6401	162.6401	162.6401	221.4281
BOD ($/1,000 lbs.)		151.4972	151.4972	151.4972	151.4972	151.4972	151.4972	122.8767	122.9381	122.9381	122.9381	94.5516
Annual Lump Sum ($)		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (%)		10	10	10	10	12	10	10	10	10	10	10
FY 2009 Existing (New) Rates												
Volume ($/Mcf)		1.0735	1.0735	1.0735	1.0052	1.0735	1.0735	0.9441	0.9719	1.1856	0.9719	1.5780
Capacity ($/cfs)		4,574	4,574	4,574	2,137	4,574	4,574	3,785	3,848	8,868	3,848	8,066
SS ($/1,000 lbs.)		154.1567	154.1567	154.1567	154.1567	154.1567	154.1567	159.9671	162.6401	162.6401	162.6401	221.4281
BOD ($/1,000 lbs.)		151.4972	151.4972	151.4972	151.4972	151.4972	151.4972	122.8767	122.9381	122.9381	122.9381	94.5516
Annual Lump Sum ($)		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (%)		10	10	10	12	12	10	10	10	10	10	10
FY 2010 Existing (New) Rates												
Volume ($/Mcf)		1.0735	1.0735	1.0735	1.0052	1.0735	1.0735	0.9441	0.9719	1.1856	0.9719	1.5780
Capacity ($/cfs)		4,574	4,574	4,574	2,137	4,574	4,574	3,785	3,848	8,868	3,848	8,066
SS ($/1,000 lbs.)		154.1567	154.1567	154.1567	154.1567	154.1567	154.1567	159.9671	162.6401	162.6401	162.6401	221.4281
BOD ($/1,000 lbs.)		151.4972	151.4972	151.4972	151.4972	151.4972	151.4972	122.8767	122.9381	122.9381	122.9381	94.5516
Annual Lump Sum ($)		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (%)		10	10	10	12	12	10	10	10	12	10	12
FY 2011 Existing (New) Rates												
Volume ($/Mcf)		1.0735	1.0735	1.0735	1.0052	1.0735	1.0735	0.9441	0.9719	1.1856	0.9719	1.5780
Capacity ($/cfs)		4,574	4,574	4,574	2,137	4,574	4,574	3,785	3,848	8,868	3,848	8,066
SS ($/1,000 lbs.)		154.1567	154.1567	154.1567	154.1567	154.1567	154.1567	159.9671	162.6401	162.6401	162.6401	221.4281
BOD ($/1,000 lbs.)		151.4972	151.4972	151.4972	151.4972	151.4972	151.4972	122.8767	122.9381	122.9381	122.9381	94.5516
Annual Lump Sum ($)		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (%)		10	10	10	12	12	10	10	10	12	10	12
FY 2012 Existing (New) Rates												
Volume ($/Mcf)		1.0735	1.0735	1.0735	1.0052	1.0735	1.0735	0.9441	0.9719	1.1856	0.9719	1.5780
Capacity ($/cfs)		4,574	4,574	4,574	2,137	4,574	4,574	3,785	3,848	8,868	3,848	8,066
SS ($/1,000 lbs.)		154.1567	154.1567	154.1567	154.1567	154.1567	154.1567	159.9671	162.6401	162.6401	162.6401	221.4281
BOD ($/1,000 lbs.)		151.4972	151.4972	151.4972	151.4972	151.4972	151.4972	122.8767	122.9381	122.9381	122.9381	94.5516
Annual Lump Sum ($)		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (%)		10	10	10	12	12	10	12	10	12	10	12

DELCORA Rehabilitation, Replacement, and Renewal (RRR), if recognized per the input code below, is reflected in projected billings on Cust-15 & Cust-16.

Assumed that RRR charges would be eliminated in FY 2012.

Assumed no additional RRR charges for true-up required.

	End DELCORA RRR Charges	BD-27.2 FY 2008	FY 2008 Billing Units	Rehab, Replace, and Renewal
Volume ($/Mcf)		0.7815	1,404,000	$1,097,226
Capacity ($/cfs)		740	155	$114,700
SS ($/1,000 lbs.)		29.1328	12,526	$364,917
BOD ($/1,000 lbs.)	2012	33.8562	11,212	$379,596
				$1,956,439

	Reference	Abington	Bensalem	Bucks County	Cheltenham	Moreland	Southampton	DELCORA	Merion	Springfield (Less Wyndmoor	Darby	Springfield (Wyndmoor)
		$	$	$	$	$	$	$	$	$	$	$
FY 2008 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	2,422,742	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	701,375	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,368,665	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,757,289	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	216,611	57,944	145,802	725,007	147,800	100,094	221,091	18,346
Total		1,011,273	1,107,226	5,257,099	2,382,725	540,814	1,603,819	7,975,079	1,625,797	1,101,038	2,431,998	201,804
Total Rounded		1,011,000	1,107,000	5,257,000	2,383,000	541,000	1,604,000	7,975,000	1,626,000	1,101,000	2,432,000	202,000
FY 2009 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	2,422,742	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	701,375	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,368,665	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,757,289	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	725,007	147,800	100,094	221,091	18,346
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	7,975,079	1,625,796	1,101,038	2,431,997	201,804
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	7,975,000	1,626,000	1,101,000	2,432,000	202,000
FY 2010 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	2,422,742	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	701,375	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,368,665	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,757,289	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	725,007	147,800	120,113	221,091	22,015
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	7,975,079	1,625,796	1,121,057	2,431,997	205,473
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	7,975,000	1,626,000	1,121,000	2,432,000	205,000
FY 2011 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	2,422,742	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	701,375	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,368,665	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,757,289	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	725,007	147,800	120,113	221,091	22,015
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	7,975,079	1,625,796	1,121,057	2,431,997	205,473
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	7,975,000	1,626,000	1,121,000	2,432,000	205,000
FY 2012 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	1,325,516	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	586,675	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,003,748	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,377,694	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	635,236	147,800	120,113	221,091	22,015
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	5,928,869	1,625,796	1,121,057	2,431,997	205,473
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	5,929,000	1,626,000	1,121,000	2,432,000	205,000
FY 2013 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	1,325,516	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	586,675	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,003,748	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,377,694	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	635,236	147,800	120,113	221,091	22,015
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	5,928,869	1,625,796	1,121,057	2,431,997	205,473
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	5,929,000	1,626,000	1,121,000	2,432,000	205,000
FY 2014 Billings												
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	1,325,516	321,699	158,870	554,955	33,138
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	586,675	121,481	40,793	134,680	15,567
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,003,748	564,199	318,124	903,791	25,243
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,377,694	365,618	229,157	582,481	8,510
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	635,236	147,800	120,113	221,091	22,015
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	5,928,869	1,625,796	1,121,057	2,431,997	205,473
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	5,929,000	1,626,000	1,121,000	2,432,000	205,000

		Abington	Bensalem	Bucks County	Cheltenham	Moreland	Southampton	DELCORA	Merion	Springfield (Less Wyndmoor	Darby	Springfield (Wyndmoor)	Total
		$	$	$	$	$	$	$	$	$	$	$	$
FY 2015 Billings													
Volume (a)	Cust-14	114,865	171,760	1,040,222	362,877	67,631	347,814	1,325,516	321,699	158,870	554,955	33,138	
Capacity (a)	Cust-14	42,296	53,699	389,156	44,343	27,174	72,223	586,675	121,481	40,793	134,680	15,567	
SS (a)	Cust-14	188,379	343,153	1,807,950	461,699	90,952	592,116	2,003,748	564,199	318,124	903,791	25,243	
BOD (a)	Cust-14	156,800	359,957	1,492,853	399,195	72,113	385,863	1,377,694	365,618	229,157	582,481	8,510	
Annual Lump Sum	Cust-14	417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000	
Management Fee (b)		91,934	100,657	477,918	259,934	57,944	145,802	635,236	147,800	120,113	221,091	22,015	
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	5,928,869	1,625,796	1,121,057	2,431,997	205,473	
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	5,929,000	1,626,000	1,121,000	2,432,000	205,000	
Test Year 2009													
Volume		114,865	171,760	1,040,222	362,877	67,631	347,814	2,422,742	321,699	158,870	554,955	33,138	5,596,572
Capacity		42,296	53,699	389,156	44,343	27174	72,223	701,375	121,481	40,793	134,680	15,567	1,642,787
SS		188,379	343,153	1,807,950	461,699	90,952	592,116	2,368,665	564,199	318,124	903,791	25,243	7,664,271
BOD		156,800	359,957	1,492,853	399,195	72,113	385,863	1,757,289	365,618	229,157	582,481	8,510	5,809,836
Annual Lump Sum		417,000	78,000	49,000	898,000	225,000	60,000	0	105,000	254,000	35,000	101,000	2,222,000
Management Fee		91,934	100,657	477,918	259,934	57,944	145,802	725,007	147,800	100,094	221,091	18,346	2,346,526
Total		1,011,273	1,107,226	5,257,099	2,426,048	540,814	1,603,818	7,975,079	1,625,796	1,101,038	2,431,997	201,804	25,281,993
Total Rounded		1,011,000	1,107,000	5,257,000	2,426,000	541,000	1,604,000	7,975,000	1,626,000	1,101,000	2,432,000	202,000	25,282,000

(a) Projection times Existing rate.

(b) Management Fee calculated based on negotiated contract percentage times the sum of the Volume, Capacity, SS, and BOD billings and the Annual Lump Sum.

Reference: 1997 - 2000 Data: #99137.0100, BD-8 2003 Data: #135647.100 BD-6a
2001 - 2002 Data: #99137.0100, BD-3.0

	Historical Billings						Projected Billings								
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
							Cust-15	Cust-15	Cust-15	Cust-15	Cust-15	Cust-15	Cust-15	Cust-15	
Camden	Temporary wastewater service to Camden ceased in January 1996.														0
Abington	784,361	798,583	847,192	895,655	967,218	1,026,485	1,011,000	1,011,000	1,011,000	1,011,000	1,011,000	1,011,000	1,011,000	1,011,000	1,011,000
Bensalem	766,498	851,032	1,052,071	1,264,896	1,362,146	1,274,828	1,107,000	1,107,000	1,107,000	1,107,000	1,107,000	1,107,000	1,107,000	1,107,000	1,107,000
Bucks County	3,753,433	3,904,756	4,983,683	15,058,036	16,328,391	5,924,742	5,257,000	5,257,000	5,257,000	5,257,000	5,257,000	5,257,000	5,257,000	5,257,000	5,257,000
Cheltenham	1,621,958	1,663,712	1,712,283	1,853,587	1,903,477	2,428,148	2,383,000	2,426,000	2,426,000	2,426,000	2,426,000	2,426,000	2,426,000	2,426,000	2,426,000
Lower Moreland	298,587	335,374	364,524	396,679	435,827	535,697	541,000	541,000	541,000	541,000	541,000	541,000	541,000	541,000	541,000
Lower Southampton	1,116,456	1,198,744	1,349,843	1,475,150	1,562,853	2,050,411	1,604,000	1,604,000	1,604,000	1,604,000	1,604,000	1,604,000	1,604,000	1,604,000	1,604,000
DELCORA	7,209,472	7,425,284	6,769,436	8,332,699	7,269,556	9,758,202	7,975,000	7,975,000	7,975,000	7,975,000	5,929,000	5,929,000	5,929,000	5,929,000	7,975,000
Lower Merion	1,245,016	1,377,079	2,450,319	2,577,538	1,543,059	1,965,988	1,626,000	1,626,000	1,626,000	1,626,000	1,626,000	1,626,000	1,626,000	1,626,000	1,626,000
Springfield (less Wyndmoor)	605,484	624,035	647,274	767,031	922,065	1,357,520	1,101,000	1,101,000	1,121,000	1,121,000	1,121,000	1,121,000	1,121,000	1,121,000	1,101,000
Upper Darby	1,760,928	1,857,447	2,968,558	2,997,808	2,742,761	2,702,311	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000
Springfield (Wyndmoor)	202,147	191,857	207,901	209,809	193,937	211,330	202,000	202,000	205,000	205,000	205,000	205,000	205,000	205,000	202,000
Total (a)	19,364,340	20,227,903	23,353,084	35,828,888	35,231,290	29,235,662	25,239,000	25,282,000	25,305,000	25,305,000	23,259,000	23,259,000	23,259,000	23,259,000	25,282,000

(a) Prior to FY 2008, all townships but Cheltenham pay a 10% management fee. The above billings include the 10% management fee.

References: Customer_Data_Calcs.xls (page 2 & page 4)

WASTEWATER BILLINGS

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
	$	$	$	$	$	$
General Service (a)						
5/8" Meter	132,691,922	130,855,861	125,683,573	133,240,881	140,068,740	150,217,093
> 5/8" Meter	44,762,811	56,706,770	65,917,307	64,655,139	73,912,357	76,315,299
Senior Citizens						
5/8" Meter	7,438,328	6,698,427	5,893,601	5,573,317	5,336,272	4,140,747
> 5/8" Meter	18,237	16,867	13,457	10,456	9,413	3,502
Total	184,911,298	194,277,925	197,507,937	203,479,792	219,326,781	230,676,641
Housing Authority	4,235,869	4,993,377	4,611,369	5,645,973	6,396,322	6,218,415
Charities & Schools						
"N" Charities	4,414,733	5,578,257	6,195,093	6,095,762	6,508,278	6,567,657
"6 Cent" Charities	6,561,633	8,459,134	9,924,949	9,928,846	11,356,635	11,603,203
City Leased Properties (821) (b)						
Unmetered	351	0	0	0	0	0
Municipal (820) (c)	10,655,000	13,219,364	14,132,914	15,833,136	17,205,488	13,876,094
Fire Meter Testing (A-1.0.1) (d)	8,022	12,265	41,594	38,648	47,450	30,170
Sewer Only	1,621,058	2,063,095	2,143,851	2,031,524	2,046,468	2,432,912
Total	212,407,964	228,603,417	234,557,707	243,053,682	262,887,422	271,405,093
	x	x	x	x	x	x

(a) Includes W&S. Excludes Sewer Only and Municipal.
(b) Included with General Service.
(c) From Range Cust-5 - Includes Municipal Water & Sewer and Sewer Only.
(d) Included with Municipal water billings on Wrev-4.

Reference: #99137.0100, BD-16 #135647.0100, BD-1, BD-26a, BD-26b,and BD-26c

	Actual				Estimates						
Year	Accounts	Billings $1,000	$/Acct. $1,000	Ref.	BOD lb	SS lb	BOD Rate $/lb	SS Rate $/lb	Billings (a) $1,000	$/Acct. $1,000	Ref.
2002	386	5,330	13.808	Previous Study	20,715,448	7,880,000	0.190	0.190	5,433	14.075	BD-16
2003	382	5,434	14.225	Previous Study	19,969,300	6,799,200	0.203	0.203	5,434	14.225	BD-26a, BD-26b, and BD-26c
2004	378	5,446	14.408	BD 2-1	18,985,000	6,470,886	0.214	0.214	5,448	14.413	
2005	370	5,187	14.020	BD 2-1	17,461,500	5,820,500	0.223	0.223	5,187	14.019	
2006	359	4,599	12.811	BD 2-1	14,178,700	4,726,200	0.246	0.235	4,599	12.811	
2007	328	4,617	14.076	BD 2-1 & BD 3	13,443,000	4,601,276	0.261	0.242	4,623	14.095	
Avg 2002 - 2007	367	5,102	13.891								
Avg 2004 - 2007	359	4,962	13.829								
Avg 2005 - 2007	352	4,801	13.636								
Avg 2006 - 2007	344	4,608	13.443								
Project FY 2008 level of											
			14.512	Estimated based on projected billing units and adopted rates	41,000	14,000					
Assume annual incr. of											
	(7)		0.016	Adjustment for full year of bills at adopted rate							
					Estimated pounds of BOD and SS		FY 2008 (BD-27.3)			Test Year	
2008	321	4,658	14.512		13,161,000	4,494,000	0.270	0.247	4,658	12,874,000	4,396,000
2009	314	4,562	14.528		12,874,000	4,396,000	0.270	0.247	4,562		
2010	307	4,460	14.528		12,587,000	4,298,000	0.270	0.247	4,460		
2011	300	4,358	14.528		12,300,000	4,200,000	0.270	0.247	4,358		
2012	293	4,257	14.528		12,013,000	4,102,000	0.270	0.247	4,257		
2013	286	4,155	14.528		11,726,000	4,004,000	0.270	0.247	4,155		
2014	279	4,053	14.528		11,439,000	3,906,000	0.270	0.247	4,053		
2015	272	3,952	14.528		11,152,000	3,808,000	0.270	0.247	3,952		

(a) 2002 Billings include 2 months calculated at the 2001 rates and the other months at the new 2002 rates.

Reference: Customer_Data_Calcs.xls (page 4)

Sewer Only Customers

Meter Size	(1) Accounts	(2) Consumption 5/8" meters	(3) Consumption > 5/8" meters	(4) Total	(5) Billings	(6) Billings per Mcf		
inches	accts	Mcf	Mcf	Mcf	$	$/Mcf		
					Cust-17	(5) / (4)		
General Service (44 Small, 44 Large, G4) - Including Senior Citizens								
FY 2002	88	737.5	292,269	293,007	1,621,058	5.53	Includes 820 Accounts	
FY 2003	71	297.9	170,808	171,106	2,063,095	12.06	Excludes 820 Accounts	
FY 2004	444	399.1	165,842	166,241	2,143,851	12.90	Excludes 820 Accounts	Significant Increase in accounts (> 5/8")
FY 2005	434	1,046.9	158,612	159,659	2,031,524	12.72	Excludes 820 Accounts	
FY 2006	419	1,171.8	145,364	146,536	2,046,468	13.97	Excludes 820 Accounts	
FY 2007	69	372.8	147,415	147,787	2,432,912	16.46	Excludes 820 Accounts	
USE for 2008		400	149,600	150,000				

Reference: Customer_Data_Calcs.xls (page 3 & page 8)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)						
	Number of Accounts			Consumption										
	W & S and Water Only Cust-6	Water Only	Water and Sewer (1)-(2)	W & S and Water Only Mcf Cust-7 Wrev-2 Wrev-3	Water Only Mcf	Water and Sewer Mcf (4)-(5)	Percent W&S of W&S and Water Only [(6) / (4)] %	AVG. OF LAST THREE YEARS %	INPUT	USE	Two Year Weighted Average %	FY 2007 Weighted Average %	FY 2006 Weighted Average %	FY 2005 Weighted Average %
FY 2007														
General Service												General Service		
5/8"	430,778	1,357	429,421	3,893,087	11,596	3,881,491	99.70%	99.66%	99.66%	99.66%	98.13%	98.16%	98.09%	98.39%
> 5/8"	10,236	295	9,941	2,133,680	99,145	2,034,535	95.35%	95.56%	95.56%	95.56%		Senior Citizens		
Senior Citizens 5/8"	18,637	18	18,619	111,515	134	111,381	99.88%	99.90%	99.90%	99.90%	99.88%	99.88%	99.89%	99.88%
Senior Citizens > 5/8"	3	0	3	29	0	29	100.00%	83.46%	83.46%	83.46%				
Housing Authority	6,195	0	6,195	204,518	0	204,518	100.00%	100.00%	100.00%	100.00%				
"N" Charities	341	2	339	254,136	20	254,116	99.99%	99.99%	99.99%	99.99%				
"6 Cent" Charities	2,878	24	2,854	246,914	776	246,138	99.69%	99.52%	99.52%	99.52%				
Unmetered	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%				
Leased Properties (821) (a)	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%				
Municipal (820)	1,039	38	1,001	349,435	7,296	342,139	97.91%	98.42%	98.42%	98.42%				
Total	470,107	1,734	468,374	7,193,313	118,966	7,074,347	98.35%	98.43%						
FY 2006				Cust-7 Wrev-2 Wrev-3		(4)-(5)		AVG. OF LAST TWO YEARS						
General Service														
5/8"	424,902	1,340	424,902	3,766,253	14,605	3,751,648	99.61%	99.64%						
> 5/8"	10,511	307	10,511	2,262,964	100,624	2,162,340	95.55%	95.66%						
Senior Citizens 5/8"	25,111	27	25,111	159,545	147	159,398	99.91%	99.91%						
Senior Citizens > 5/8"	9	2	9	188	32	156	82.93%	75.19%						
Housing Authority	6,258	0	6,258	240,840	0	240,840	100.00%	100.00%						
"N" Charities	351	2	351	265,809	23	265,786	99.99%	99.99%						
"6 Cent" Charities	2,849	22	2,849	284,479	1,721	282,759	99.40%	99.44%						
Unmetered	0	0	0	0	0	0	0.00%	0.00%						
Leased Properties (821) (a)	0	0	0	0	0	0	0.00%	0.00%						
Municipal (820)	1,059	42	1,059	625,016	7,700	617,316	98.77%	98.67%						
Total	471,050	1,742	471,050	7,605,094	124,852	7,480,241	98.36%	98.47%						
FY 2005				Cust-7 Wrev-3		(4)-(5)								
General Service														
5/8"	423,133	1,335	422,073	4,239,800	14,275	4,225,525	99.66%							
> 5/8"	10,794	314	10,608	2,047,500	86,833	1,960,667	95.76%							
Senior Citizens 5/8"	27,626	30	28,062	184,900	150	184,750	99.92%							
Senior Citizens > 5/8"	11	2	12	200	65	135	67.45%							
Housing Authority	5,972	0	5,650	197,800	0	197,800	100.00%							
"N" Charities	356	2	355	287,795	23	287,772	99.99%							
"6 Cent" Charities	2,840	22	2,886	283,605	1,448	282,158	99.49%							
Unmetered	0	0	1	0	0	0	0.00%							
Leased Properties (821) (a)	0	0	0	0	0	0	0.00%							
Municipal (820)	1,068	40	1,114	515,000	7,313	507,687	98.58%							
Total	471,800	1,745	470,761	7,756,600	110,107	7,646,493	98.58%							

(a) Included with General Service for this update.

Projected Number of Accounts
"Water and Sewer" plus "Water Only"

	Reference	Fiscal Year Ending June 30										Test Year
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2009
		Historical		Projected								
General Service (5/8") (excl Senior Citizens)	Cust-9-Cust-10	424,902	430,778	431,258	431,738	432,218	432,698	433,178	433,658	434,138	434,618	431,738
General Service (>5/8") (excl Senior Citizens)	Cust-9-Cust-10	10,511	10,236	9,936	9,636	9,336	9,036	8,736	8,436	8,136	7,836	9,636
Senior Citizens (5/8")	Cust-10	25,111	18,637	17,557	16,477	15,397	14,317	13,237	12,157	11,077	9,997	16,477
Senior Citizens (>5/8")	Cust-10	9	3	3	3	3	3	3	3	3	3	3
Housing Authority	Cust-9	6,258	6,195	6,265	6,335	6,405	6,475	6,545	6,615	6,685	6,755	6,335
"N" Charities	Cust-6	351	341	347	347	347	347	347	347	347	347	347
"6 Cent" Charities	Cust-6	2,849	2,878	2,872	2,872	2,872	2,872	2,872	2,872	2,872	2,872	2,872
Scheduled (Flat Rate)	Cust-9			0	0	0	0	0	0	0	0	0
Fire Meters	Cust-9	3,785	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894	3,894
City Properties Leased to Others (821) (a)	Cust-9											
Municipal (820) (b)	Cust-9	1,295	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268	1,268
Total		475,071	474,230	473,400	472,570	471,740	470,910	470,080	469,250	468,420	467,590	472,570

Projected Number of Bills
"Water and Sewer" plus "Water Only"
(Number of Accounts x 12)

	Fiscal Year Ending June 30										Test Year
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2009
	Historical		Projected								
General Service (5/8") (excl Senior Citizens)	5,098,825	5,169,337	5,175,097	5,180,857	5,186,617	5,192,377	5,198,137	5,203,897	5,209,657	5,215,417	5,180,857
General Service (>5/8") (excl Senior Citizens)	126,132	122,832	119,232	115,632	112,032	108,432	104,832	101,232	97,632	94,032	115,632
Senior Citizens (5/8")	301,334	223,648	210,688	197,728	184,768	171,808	158,848	145,888	132,928	119,968	197,728
Senior Citizens (>5/8")	108	36	36	36	36	36	36	36	36	36	36
Housing Authority	75,096	74,340	75,180	76,020	76,860	77,700	78,540	79,380	80,220	81,060	76,020
"N" Charities	4,212	4,092	4,164	4,164	4,164	4,164	4,164	4,164	4,164	4,164	4,164
"6 Cent" Charities	34,188	34,536	34,464	34,464	34,464	34,464	34,464	34,464	34,464	34,464	34,464
Scheduled (Flat Rate)	0	0	0	0	0	0	0	0	0	0	0
Fire Meters	45,420	46,728	46,728	46,728	46,728	46,728	46,728	46,728	46,728	46,728	46,728
City Properties Leased to Others (821) (a)											
Municipal (820) (b)	15,540	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216
Total	5,700,855	5,690,765	5,680,805	5,670,845	5,660,885	5,650,925	5,640,965	5,631,005	5,621,045	5,611,085	5,670,845

(a) Included with General Service for this update.
(b) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).

Projected Consumption
"Water and Sewer" plus "Water Only"

	Reference	Fiscal Year Ending June 30										Test Year
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2009
		Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf
		Historical		Projected								
General Service (5/8") (excl Senior Citizens)	Cust-9-Cust-10	3,925,798	3,893,087	3,844,300	3,805,100	3,766,000	3,727,100	3,688,300	3,654,100	3,619,900	3,585,800	3,805,100
General Service (>5/8") (excl Senior Citizens)	Cust-9-Cust-10	2,263,152	2,133,680	1,987,700	1,927,700	1,867,700	1,807,700	1,747,700	1,687,700	1,627,700	1,567,700	1,927,700
Senior Citizens (5/8")	Cust-10	159,545	111,515	105,300	98,900	92,400	85,900	79,400	72,900	66,500	60,000	98,900
Senior Citizens (>5/8")	Cust-10	188	29	100	100	100	100	100	100	100	100	100
Housing Authority	Cust-9	240,840	204,518	219,300	221,700	224,200	226,600	229,100	231,500	234,000	236,400	221,700
"N" Charities	Wrev-3	265,809	254,136	267,497	267,497	267,497	267,497	267,497	267,497	267,497	267,497	267,497
"6 Cent" Charities	Wrev-3	284,479	246,914	263,603	263,603	263,603	263,603	263,603	263,603	263,603	263,603	263,603
Scheduled (Flat Rate)	Cust-9	0	0	0	0	0	0	0	0	0	0	0
Fire Meters	Cust-9	Unmetered	Unmetered	0	0	0	0	0	0	0	0	0
City Properties Leased to Others (821) (a)	Cust-9											
Municipal (820) (b)	Cust-9	625,016	349,435	460,000	460,000	460,000	460,000	460,000	460,000	460,000	460,000	460,000
Total		7,764,826	7,193,313	7,147,800	7,044,600	6,941,500	6,838,500	6,735,700	6,637,400	6,539,300	6,441,100	7,044,600
Bucks County		761,176	709,198	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000	725,000
Total		8,526,002	7,902,511	7,872,800	7,769,600	7,666,500	7,563,500	7,460,700	7,362,400	7,264,300	7,166,100	7,769,600

USE
50.367% From Rate Study

(a) Included with General Service for this update.
(b) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).

Reference: Customer_Data_Calcs.xls (page 4 & page 9)

Class			(1) W&S and W Only Usage FY 2009 Test Year	(2) W&S portion of W&S and W Only	(3) Allowance for water that does not reach the treatment plant	(4) W&S and W Only Usage FY 2009 Test Year	(5) W&S and W Only Number of Bills FY 2009 Test Year	(6) W Only Number of Bills FY 2009 Test Year	(7) S Only Number of Bills FY 2007 (a)	(8) W&S and S Only Number of Bills FY 2009 Test Year	(9) W&S Number of Bills FY 2009 Test Year	(10) Percent W&S of W&S and W Only No. of Bills FY 2009 Test Year	(10) Percent W&S of W&S and W Only No. of Bills Weighted Average	(11) W&S and W Only Usage FY 2009 Test Year	(12) W&S and W Only Number of Bills FY 2009 Test Year
			Mcf			Mcf				Bills	Bills	%	%	Mcf	
			Cust-22	Cust-20		(1) * (2) * (3)	Cust-21	Cust-20 x 12		(5) - (6) + (7)	(5) - (6)	(9) / (5)	(9) / (5)	Cust-22	Cust-21
General Service													General Service		
5/8" (excl Senior Citizens)	Bills						5,180,857	16,281	460	5,165,036	5,164,576	99.69%	99.63%		5,180,857
	Cons. (Mcf)	(b)	3,805,100	99.66%	0.95	3,602,955								3,805,100	
>5/8" (excl Senior Citizens)	Bills						115,632	3,537	362	112,457	112,095	96.94%			115,632
	Cons. (Mcf)	(c)	1,927,700	95.56%	0.95	1,899,605							Senior Citizens	1,927,700	
Senior Citizens (5/8")	Bills						197,728	221	0	197,507	197,507	99.89%	99.89%		197,728
	Cons. (Mcf)		98,900	99.90%	0.95	93,861								98,900	
Senior Citizens (>5/8")	Bills						36	0	0	36	36	100.00%			36
	Cons. (Mcf)		100	83.46%	0.95	79								100	
Housing Authority	Bills						76,020	0	0	76,020	76,020	100.00%			76,020
	Cons. (Mcf)		221,700	100.00%	0.95	210,615								221,700	
"N" Charities	Bills						4,164	24	0	4,140	4,140	99.42%			4,164
	Cons. (Mcf)		267,497	99.99%	0.95	254,097								267,497	
"6 Cent" Charities	Bills						34,464	288	0	34,176	34,176	99.16%			34,464
	Cons. (Mcf)		263,603	99.52%	0.95	249,221								263,603	
Scheduled (Flat Rate)	Bills						0	0	0	0	0	NA			0
	Cons. (Mcf)		0	0.00%	0.95	0								0	
Fire Meters	Bills						46,728			46,728	46,728	100.00%			46,728
	Cons. (Mcf)		0		0.95	0								0	
City Properties Leased to Others (821) (d)															
Municipal (820) (e)	Bills						15,216	456	107	14,867	14,760	97.00%			15,216
	Cons. (Mcf)		460,000	98.42%	0.95	430,095								460,000	

(a) FY 2007 is used as a projection of Test Year 2009 number of Sewer Only Bills.
(b) Column 4 includes the addition of small meters consumption (Cust-19). Excludes Municipal.
(c) Column 4 includes the addition of large meters (Cust-19). Excludes Buck's County and Municipal.
(d) Included with General Service for this update.
(e) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).

Effective: July 1, 2007 BD-27.3

TABLE 0

GENERAL SERVICE
EXISTING WASTEWATER RATES
(Effective July 1, 2007)

Monthly Service Charge

Meter Size	Existing Rates	July 1, 2006	Aug 1, 2005	Feb 1, 2005	July 1, 2003	July 1, 2002
inches	$/month					
5/8 (a)	16.59	16.03	15.13	14.89	13.55	14.91
3/4	86.24	82.09	77.13	71.00	64.63	49.74
1	140.01	133.22	125.17	115.31	104.96	80.28
1-1/4	209.69	199.48	187.44	172.75	157.25	119.84
1-1/2	273.41	260.07	244.38	225.30	205.09	155.96
2	434.70	413.44	388.51	358.27	326.13	247.61
3	809.69	770.03	723.62	67.44	607.57	460.53
4	1,353.88	1,287.62	1,210.02	1,115.92	1,015.82	770.60
6	2,701.17	2,568.89	2,414.08	2,226.54	2,026.82	1,536.62
8	4,313.96	4,102.58	3,855.40	3,556.11	3,237.13	2,453.09
10	6,205.43	5,901.45	5,545.85	5,115.23	4,656.39	3,529.18
12	11,548.42	10,981.96	10,320.51	9,250.67	8,666.66	6,561.14

Quantity Charges

Monthly Water Usage	Charge Per Mcf					
	$/Mcf					
All Billable Water Usage	17.72	17.02	15.99	15.78	14.36	13.67

Wastewater Surcharge	Charge Per Pound					
	$/lb					
BOD in excess of 250 mg/l.	0.270	0.261	0.247	0.235	0.214	0.214
SS in excess of 350 mg/l.	0.247	0.242	0.235	0.235	0.214	0.214

Mcf = 1,000 Cubic Feet = 7,480 Gallons
mg/l = milligrams per liter

Water & Sewer Only (Sewer Only provided as separate input)

Reference: Customer_Data_Calcs.xls (page 2, page 4, page 5, page 10)

		General Service (a)		Senior Citizens (b)		Housing Authority		"N" Charities		"6 Cent" Charities	
Meter Size	Meter Code	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption
inches		Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf
5/8	R	5,153,056		223,427		72,696		388		17,380	
3/4	Z	1,016		3		0		34		59	
1	Q	58,212		29		213		136		4,507	
1-1/4	Y	0		0		0		0		0	
1-1/2	P	20,652		0		156		168		2,235	
2	X	23,199		0		204		515		3,251	
3	O	8,606		0		456		1,007		2,544	
4	W	5,057		0		312		1,169		3,673	
6	N	2,026		0		204		565		533	
8	V	394		0		96		76		60	
10	E	138		0		0		12		0	
12	T	0		0		0		0		0	
14	H		Cust-20*Cust-22		Cust-20*Cust-22		Cust-20*Cust-22		Cust-20*Cust-22		Cust-20*Cust-22
		5,272,356	6,073,093	223,459	159,553	74,337	240,840	4,070	265,786	34,242	282,759

		Scheduled (Flat Rate)		Fire Meters (Y2)		(821)		Municipal		Sewer Only (Linkage to SCOS04)	
Meter Size	Meter Code	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption	Annual Number of Bills	Annual Consumption
inches		Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf		Mcf	Billing Summary BD-2.1	Mcf	Billing Summary BD-2.1	Mcf
5/8	R	0		24				2,760		460	
3/4	Z	0		0				144		19	
1	Q	0		12				1,524		41	
1-1/4	Y	0		0				12		0	
1-1/2	P	0		36		Included with General		876		40	
2	X	0		870		Service for this update.		2,884		92	
3	O	0		2,715				1,457		48	
4	W	0		12,653				772		11	
6	N	0		22,667				443		55	
8	V	0		6,614				144		44	
10	E	0		970				156		0	
12	T	0		166				12		12	
14	H		Cust-22		Cust-22				Cust-5*Cust-20 & Cust-4		
		0	0	46,727	Unmetered			11,184	617,354	822	3,038

NOTE: Excludes Water Only Customers and Wastewater Only Customers
(a) Excludes Senior Citizens
(b) Includes Public Fire Protection (Cust-5), W&S (Cust-5), and Fire Meters Y1 (Cust-4).

Includes Water and Sewer volumes; excludes Water Only volumes; includes Sewer Only.

Class	Actual FY 2006 Volume	Actual FY 2006 Billings	Actual FY 2006 Unit Billings	Actual FY 2007 Volume	Actual FY 2007 Billings	Actual FY 2007 Unit Billings	2 Year Average	Projected Unit Billings FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
	Mcf	$	$/Mcf	Mcf	$	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf	$/Mcf
	Cust-25	Cust-17		Cust-22*Cust-20	Cust-17										
General Service (excluding Senior Citizens)	6,073,093	213,981,097	35.234	5,918,795	226,532,392	38.273	36.754	40.612	41.043	41.458	41.888	42.332	42.770	43.224	43.694
Senior Citizens	159,553	5,345,684	33.504	111,428	4,144,249	37.192	35.348	38.167	38.167	38.169	38.170	38.173	38.175	38.141	38.141
Housing Authority	240,840	6,396,322	26.558	204,518	6,218,415	30.405	28.482	31.007	31.038	31.035	31.038	31.035	31.038	31.035	31.038
"N" Charities	265,786	6,508,278	24.487	254,110	6,567,657	25.846	25.166	26.460	26.480	26.480	26.480	26.480	26.480	26.480	26.480
"6 Cent" Charities	282,759	11,356,635	40.164	245,729	11,603,203	47.220	43.692	46.600	46.620	46.620	46.620	46.620	46.620	46.620	46.620
Scheduled (Flat Rate)	0	0	0.000		0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fire Meters	3,038	47,450	15.621	2,005	30,170	15.050	15.336	17.690	17.720	17.720	17.720	17.720	17.720	17.720	17.720
City Prop. Leased to Others (821) (a)			0.000			0.000									
Municipal (820)	761,806	17,205,488	22.585	574,793	13,876,094	24.141	23.363	27.062	27.079	27.079	27.079	27.079	27.079	27.079	27.079
S Only (incl. Ground Water Charges)	146,536	2,046,468	13.966	147,787	2,432,912	16.462	15.214	16.686	16.709	16.709	16.709	16.709	16.709	16.709	16.709
	7,933,410	262,887,422		7,459,165	271,405,093										

Source: Srev Check.xls

Class	Budget Year FY 2008 Volume	Budget Year FY 2008 Billings	FY 2009 Volume	FY 2009 Billings	FY 2010 Volume	FY 2010 Billings	FY 2011 Volume	FY 2011 Billings	FY 2012 Volume	FY 2012 Billings
	Mcf	$	Mcf	$	Mcf	$	Mcf	$	Mcf	$
	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing
General Service (excluding Senior Citizens)	5,730,676	232,734,000	5,634,273	231,247,000	5,537,970	229,593,000	5,441,866	227,949,000	5,345,862	226,301,000
Senior Citizens	105,278	4,018,000	98,885	3,774,000	92,391	3,526,000	85,898	3,279,000	79,404	3,031,000
Housing Authority	219,300	6,800,000	221,700	6,881,000	224,200	6,958,000	226,600	7,033,000	229,100	7,110,000
"N" Charities	267,470	7,077,000	267,470	7,083,000	267,470	7,083,000	267,470	7,083,000	267,470	7,083,000
"6 Cent" Charities	262,338	12,225,000	262,338	12,230,000	262,338	12,230,000	262,338	12,230,000	262,338	12,230,000
Scheduled (Flat Rate)	0	0	0	0	0	0	0	0	0	0
Fire Meters	2,750	49,000	2,750	49,000	2,750	49,000	2,750	49,000	2,750	49,000
City Prop. Leased to Others (821) (a)										
Municipal (820)	535,000	14,478,000	535,000	14,487,000	535,000	14,487,000	535,000	14,487,000	535,000	14,487,000
Sewer Only (incl. Ground Water Charges)	150,000	2,503,000	150,000	2,506,000	150,000	2,506,000	150,000	2,506,000	150,000	2,506,000
	7,272,812	279,884,000	7,172,416	278,257,000	7,072,119	276,432,000	6,971,922	274,616,000	6,871,924	272,797,000

Class	FY 2013 Volume	FY 2013 Billings	FY 2014 Volume	FY 2014 Billings	FY 2015 Volume	FY 2015 Billings	Test Year 2009 Volume	Test Year 2009 Billings
	Mcf	$	Mcf	$	Mcf	$	Mcf	$
	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing	Cust-22*Cust-20	Vol. x Unit Billing		
General Service (excluding Senior Citizens)	5,254,442	224,732,000	5,163,022	223,166,000	5,071,702	221,603,000	5,634,273	231,247,000
Senior Citizens	72,911	2,783,000	66,517	2,537,000	60,023	2,289,000	98,885	3,774,000
Housing Authority	231,500	7,185,000	234,000	7,262,000	236,400	7,337,000	221,700	6,881,000
"N" Charities	267,470	7,083,000	267,470	7,083,000	267,470	7,083,000	267,470	7,083,000
"6 Cent" Charities	262,338	12,230,000	262,338	12,230,000	262,338	12,230,000	262,338	12,230,000
Scheduled (Flat Rate)	0	0	0	0	0	0	0	0
Fire Meters	2,750	49,000	2,750	49,000	2,750	49,000	2,750	49,000
City Prop. Leased to Others (821) (a)								
Municipal (820)	535,000	14,487,000	535,000	14,487,000	535,000	14,487,000	535,000	14,487,000
Sewer Only (incl. Ground Water Charges)	150,000	2,506,000	150,000	2,506,000	150,000	2,506,000	150,000	2,506,000
	6,776,411	271,055,000	6,681,097	269,320,000	6,585,683	267,584,000	7,172,416	278,257,000

	Test Year 2009 Volume
	Mcf
General Service (5/8") (excl Senior Citizens)	3,792,163
General Service (>5/8") (excl Senior Citizens)	1,842,110
Senior Citizens (5/8")	98,801
Senior Citizens (>5/8")	83
Housing Authority	221,700
"N" Charities	267,470
"6 Cent" Charities	262,338
Scheduled (Flat Rate)	0
Fire Meters	2,750
City Properties Leased to Others (821)	0
Municipal (820)	535,000
Sewer Only (incl. Ground Water Charges)	150,000
	7,172,415

(a) Included with General Service for this update.

Line No.	GROSS BILLINGS BY CLASS	Actual FY 2002	Actual FY 2003	Actual FY 2004	Actual FY 2005	Actual FY 2006	Actual FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2009 Test Year
		$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
		Cust-17	Cust-17	Cust-17	Cust-17	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	Cust-26	
1	General Service (excluding Senior Citizens)	177,455	187,563	191,601	197,896	213,981	226,532	232,734	231,247	229,593	227,949	226,301	224,732	223,166	221,603	231,247
2	Senior Citizens	7,457	6,715	5,907	5,584	5,346	4,144	4,018	3,774	3,526	3,279	3,031	2,783	2,537	2,289	3,774
3	Housing Authority	4,236	4,993	4,611	5,646	6,396	6,218	6,800	6,881	6,958	7,033	7,110	7,185	7,262	7,337	6,881
4	"N" Charities	4,415	5,578	6,195	6,096	6,508	6,568	7,077	7,083	7,083	7,083	7,083	7,083	7,083	7,083	7,083
5	"6 Cent" Charities	6,562	8,459	9,925	9,929	11,357	11,603	12,225	12,230	12,230	12,230	12,230	12,230	12,230	12,230	12,230
6	Scheduled (Flat Rate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Fire Meters (Included w/water only)	8	12	42	39	47	30	49	49	49	49	49	49	49	49	49
8	City Prop. Leased to Others (821)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Municipal (820) (b)	10,655	13,219	14,133	15,833	17,205	13,876	12,928	14,487	14,487	14,487	14,487	14,487	14,487	14,487	14,487
10	S Only (incl. Ground Water Charges)	1,621	2,063	2,144	2,032	2,046	2,433	2,503	2,506	2,506	2,506	2,506	2,506	2,506	2,506	2,506
11	Total Projected Gross Billings	212,408	228,603	234,558	243,054	262,886	271,404	278,334	278,257	276,432	274,616	272,797	271,055	269,320	267,584	278,257
12	Total Less Municipal and Fire Meters	201,745	215,372	220,383	227,182	245,634	257,498	265,357	263,721	261,896	260,080	258,261	256,519	254,784	253,048	263,721
13	Adj Total Less Municipal and Fire Meters (c)	201,745	215,372	220,383	227,182	245,634	257,498	265,357	263,721	261,896	260,080	258,261	256,519	254,784	253,048	263,721
	Surcharge	5,330	5,434	5,446	5,187	4,599	4,617	4,658	4,562	4,460	4,358	4,257	4,155	4,053	3,952	4,562
	RECEIPTS															
14	All but Municipal Wrev-6	190,914	205,715	213,170	220,795	237,414	252,577	256,245	255,850	254,339	252,581	250,817	249,118	247,433	245,749	255,850
15	Municipal (This page, Line 9)	10,655	13,219	14,133	15,833	17,205	13,876	12,928	14,487	14,487	14,487	14,487	14,487	14,487	14,487	14,487
16	Townships Cust-15	19,364	20,228	23,353	35,829	35,231	29,236	25,239	25,282	25,305	25,305	23,259	23,259	23,259	23,259	25,282
17	Surcharge Cust-18	5,330	5,434	5,446	5,187	4,599	4,617	4,658	4,562	4,460	4,358	4,257	4,155	4,053	3,952	4,562
18	Other Oper. Rev. (d) Cust-28	6,614	6,725	7,983	8,802	9,163	9,738	9,880	9,840	9,797	9,753	9,709	9,667	9,626	9,584	9,840
19	Total Receipts	0	232,877	251,321	264,085	286,447	303,613	308,950	310,021	308,388	306,484	302,529	300,686	298,858	297,031	310,021
20	Total Receipts less Other Operating Revenue	(6,614)	226,152	243,338	255,283	277,283	293,875	299,070	300,181	298,591	296,731	292,820	291,019	289,232	287,447	300,181

						Sum FY 2004 - FY 2007
All but Municipal						
Actual (Input)		213,170	220,795	237,414	252,577	923,956
Calculated		212,676	220,884	235,750	248,956	918,265
Calculated/Actual		99.8%	100.0%	99.3%	98.6%	99.4%
Municipal (% of "All But Municipal")		7%	7%	7%	5%	

(b) Historical Municipal Revenues include PWD charges. Projected Municipal revenues include the following Misc Municipal Revenues:

14,478,000	Cust-26	14,478,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000
(1,550,000)	Miscellaneous Municipal Revenues	(1,550,000)	0	0	0	0	0	0	0
12,928,000	Total	12,928,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000	14,487,000

(c) Gross wastewater billings adjustment factor: 0.00000000000 (1-0.000000) is applied to Line 12 starting in FY 2008 to calculate Line 13 to adjust billings to tie out with calculated bill tab billings from File: SCOS08.xls - LagRate-22.
Factor is developed by trial and error until billings calculated in File: SCOS08.xls equal test year billings.

(d) Other Operating Revenue (Penalties, Miscellaneous including Septage).

Reference: Historical - BD 20-2

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	HISTORICAL						
Fiscal Year	General Service Billings (a)	Penalties (b)	Percent	Aviation Fund	Other	Total	Percent
	$1,000	$1,000	%	$1,000	$1,000	$1,000	%
	Cust-27		(2) / (1)		Wrev-7	(2) + (4) + (5)	(6) / (1)
2002	201,745	4,569	2.26%	387	1,658	6,614	3.28%
2003	215,372	4,328	2.01%	474	1,923	6,725	3.12%
2004	220,383	5,003	2.27%	745	2,235	7,983	3.62%
2005	227,182	5,601	2.47%	603	2,598	8,802	3.87%
2006	245,634	6,098	2.48%	568	2,497	9,163	3.73%
2007	257,498	6,221	2.42%	649	2,868	9,738	3.78%
2008	265,357	6,369		600	2,911	9,880	
2009	263,721	6,329		600	2,911	9,840	
2010	261,896	6,286		600	2,911	9,797	
2011	260,080	6,242		600	2,911	9,753	
2012	258,261	6,198		600	2,911	9,709	
2013	256,519	6,156		600	2,911	9,667	
2014	254,784	6,115		600	2,911	9,626	
2015	253,048	6,073		600	2,911	9,584	
Test Year 2009	263,721	6,329		600	2,911	9,840	

(a) Excludes billings for Municipal (820).
(b) Projected penalties equal to 2.4% of General Service Billings.

CURRENTLY NOT IN USE

CURRENTLY NOT IN USE

CURRENTLY NOT IN USE

CURRENTLY NOT IN USE

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Btab" worksheet estimates FY 2007 bills by meter size, and volume and service charge billings.

Range	Description	Page Number	Table
BTINDEX	Index	Btab-1	
BTDATA	FY 92 Billtab Data	Btab-2	
ESTBILLS	FY 07 Estimated Bills by Meter Size	Btab-3	
ESTVOL	FY 07 Estimated Volume Charge Billings	Btab-4	
ESTSER	FY 07 Estimated Service Charge Billings	Btab-5	
EWR	Existing Water Rates	Btab-6	1
BILLTAB	FY 2007 BillTab Data	Btab-7	

	Total	5/8"	>5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
GENERAL SERVICE excluding Senior Citizens														
Residential Bills (1)	3,990,123	3,952,446	37,677	26,103	9,966	9	690	537	177	150	24	9	12	0
Residential Bills %	100.00%	99.06%	0.94%	0.65%	0.25%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial (1)	874,257	722,007	152,250	40,845	62,040	579	19,083	17,601	6,171	3,813	1,758	321	39	0
Commercial Bills %	100.00%	82.59%	17.41%	4.67%	7.10%	0.07%	2.18%	2.01%	0.71%	0.44%	0.20%	0.04%	0.00%	0.00%
Industrial Bills (1)	17,643	5,055	12,588	693	5,121	48	2,115	2,523	1,128	693	186	69	12	0
Handbilled Bills (1)	4,629	1,284	3,345	12	141	0	177	777	588	759	708	144	36	3
Subtotal Industrial & H.B. Bills	22,272	6,339	15,933	705	5,262	48	2,292	3,300	1,716	1,452	894	213	48	3
Industrial & Handbilled Bills %	100.00%	28.46%	71.54%	3.17%	23.63%	0.22%	10.29%	14.82%	7.70%	6.52%	4.01%	0.96%	0.22%	0.01%
Public Utilities Bills	0		0											
Public Utilities Bills %	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%
Miscellaneous Bills	0		0											
Miscellaneous Bills %	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%
Total General Service Bills	4,886,652	4,680,792	205,860	67,653	77,268	636	22,065	21,438	8,064	5,415	2,676	543	99	3
Total General Service Bills %	100.00%	95.79%	4.21%	1.38%	1.58%	0.01%	0.45%	0.44%	0.17%	0.11%	0.05%	0.01%	0.00%	0.00%
		Check	4.21%											
Senior Citizens Bills (2)	765,932	761,652	4,280	3,365	897	12	6	0	0	0	0	0	0	0
Senior Citizens Bills %	100.00%	99.44%	0.56%	0.44%	0.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Housing Authority Bills (2)	77,838	75,732	2,106	84	275	0	96	132	732	384	224	180	0	0
Housing Authority Bills %	100.00%	97.29%	2.71%	0.11%	0.35%	0.00%	0.12%	0.17%	0.94%	0.49%	0.29%	0.23%	0.00%	0.00%
"6 Cent" Charities Bills (2)	26,808	9,080	17,729	1,707	4,311	36	1,937	2,997	2,327	3,747	584	72	12	0
"6 Cent" Charities Bills %	100.00%	33.87%	66.13%	6.37%	16.08%	0.13%	7.22%	11.18%	8.68%	13.98%	2.18%	0.27%	0.04%	0.00%
"N" Charities Bills (2)	3,576	426	3,150	99	294	0	81	254	603	1,091	657	60	12	0
"N" Charities Bills %	100.00%	11.91%	88.09%	2.77%	8.22%	0.00%	2.27%	7.09%	16.86%	30.49%	18.37%	1.68%	0.34%	0.00%
City Leased Property Bills (2)	0		0											
City Leased Property Bills %	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%
Unmetered Bills (2)	3,954	2,688	1,266	842	183	24	60	120	1	24	0	0	12	0
Unmetered Bills %	100.00%	67.98%	32.02%	21.28%	4.63%	0.61%	1.52%	3.03%	0.03%	0.61%	0.00%	0.00%	0.30%	0.00%
Municipal Bills (2)	0		0											
Municipal Bills %	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%
Private Fire Connections (2)	43,148	9	43,139	0	24	0	0	36	3,044	10,950	21,537	6,540	852	156
Private Fire Connections %	100.00%	0.02%	99.98%	0.00%	0.06%	0.00%	0.00%	0.08%	7.05%	25.38%	49.91%	15.16%	1.97%	0.36%
SUMMARY FOR USE IN Btab-3														
Expressed As A Percentage of Total General Service Bills:														
Residential Bills %	81.65%	80.88%	0.77%	0.53%	0.20%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial Bills %	17.89%	14.78%	3.12%	0.84%	1.27%	0.01%	0.39%	0.36%	0.13%	0.08%	0.04%	0.01%	0.00%	0.00%
Industrial & H.B. Bills %	0.46%	0.13%	0.33%	0.01%	0.11%	0.00%	0.05%	0.07%	0.04%	0.03%	0.02%	0.00%	0.00%	0.00%
Public Utilities Bills %	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%
Miscellaneous Bills %	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%
Total	100.00%	95.79%	4.21%	1.38%	1.58%	0.01%	0.45%	0.44%	0.17%	0.11%	0.05%	0.01%	0.00%	0.00%
Check	100.00%	95.79%	4.21%	1.38%	1.58%	0.01%	0.45%	0.44%	0.17%	0.11%	0.05%	0.01%	0.00%	0.00%

(1) Billtab data from PN 19289, BILLTAB.WK1. This file has been printed out, with other summaries from WALLO.WK1 in M-1 and M-2. The billtab data is for the period April 1991 through March 1992.
The data above includes Water & Sewer bills, and Water Only bills inflated by a factor of 3 to recognize the 01/01/93 conversion from quarterly to monthly billing.
(2) Data from FY93 (FY93_ALL.WK4).

Bill Tab Adjustment (from BillTab.xls FY92 Study)

General Service	100.00%	Links to WCOS model file, Rates-02	102.89%	Previous Rate Study
Senior Citizens	100.00%	Wrev Check2.xls	104.44%	
Housing Authority	104.10%		94.77%	
C & S	104.00%		101.16%	
CD820	100.00%		101.89%	
Unmetered	0.00%		0.00%	
Fire Meters	22.29%		22.29%	
Subtotal without General Service	89.57%		89.57%	
Grand Total	100.51%		100.51%	

BillTab Distribution for General Service (from FY92 Study BillTab.xls)

Links to wcos04_Bud05.xls, Links Sheet

Meter	Residential		Commercial		Industrial		Hand Billed		Total General Service	Total	FY03
Size	W & S	W Only	W & S	W Only	W & S	W Only	W & S	W Only	W/O Senior Citizens	Water Only	WO Distribution
	Bills	Bills	Bills	Bills	Bills	Bills	Bills	Bills	Bills	Bills	Bills
5/8"	1,321,728	4,455	240,247	422	1,666	19	422	6	1,560,264	4,902	4,957
3/4"	0	0	13,552	63	231	0	4	0	22,551	63	38
1"	2,731	594	20,573	107	1,699	24	47	0	25,756	725	728
1 1/4"	0	0	193	0	0	0	0	0	212	0	0
1 1/2"	180	50	6,306	55	693	12	55	4	7,355	121	114
2"	171	8	5,820	47	817	24	255	4	7,146	83	79
3"	55	4	2,057	0	365	11	196	0	2,688	15	12
4"	50	0	1,259	12	212	19	253	0	1,805	31	19
6"	8	0	566	20	51	11	233	3	892	34	27
8"	7	0	103	4	23	4	57	4	181	12	8
10"	0	0	13	0	0	0	0	0	33	0	4
12"	0	0	0	0	0	0	0	0	1	0	0
14"	0	0	0	0	0	0	0	0	0	0	0
	1,324,930	5,111	290,689	730	5,757	124	1,522	21	1,628,884	5,986	5,986
Consumption	3,756,452	18,149	2,894,566	15,784	236,355	54,639	614,124	39,420	7,629,489		

	Reference	Total	5/8"	>5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
GENERAL SERVICE															
All But Senior Citizens															
Total Bills - FY 07	Cust-6	5,292,169	5,169,337	122,832	68,253	80,312	720	23,541	24,332	9,741	6,329	3,321	680	203	12
Distribute to Classes:															
Residential Bills %	Btab-2				0.53%	0.20%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Residential Bills - FY 07		4,321,242	4,202,640	118,602	65,494	79,137	717	23,421	24,231	9,707	6,304	3,314	678	202	12
Commercial Bills %	Btab-2			100.00%	69.28%	26.45%	0.02%	1.83%	1.43%	0.47%	0.40%	0.06%	0.02%	0.03%	0.00%
Commercial Bills - FY 07		946,807	942,980	3,827	2,652	1,012	1	70	55	18	15	2	1	1	0
Industrial & H.B. Bills %	Btab-2			100.00%	26.83%	40.75%	0.38%	12.53%	11.56%	4.05%	2.50%	1.15%	0.21%	0.03%	0.00%
Industrial & H.B. Bills - FY 07		24,120	23,720	400	107	163	2	50	46	16	10	5	1	0	0
Public Utilities Bills %	Btab-2			100.00%	4.42%	33.03%	0.30%	14.39%	20.71%	10.77%	9.11%	5.61%	1.34%	0.30%	0.02%
Public Utilities Bills - FY 07		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Bills %	Btab-2			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Bills - FY 07		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senior Citizen Bills %	Btab-2			100.00%	78.62%	20.96%	0.28%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Senior Citizen Bills - FY 07	Cust-6	223,684	223,648	36	28	8	0	0	0	0	0	0	0	0	0
Housing Authority %	Btab-2		97.29%	100.00%	3.99%	13.03%	0.00%	4.56%	6.27%	34.76%	18.23%	10.61%	8.55%	0.00%	0.00%
Housing Authority Bills - FY 07	Cust-6	74,340	72,329	2,011	80	262	0	92	126	699	367	213	172	0	0
"6 Cent" Charities %	Btab-2		33.87%	100.00%	9.63%	24.32%	0.20%	10.92%	16.90%	13.12%	21.14%	3.29%	0.41%	0.07%	0.00%
"6 Cent" Charities Bills - FY 07	Cust-6	34,536	11,697	22,839	2,199	5,554	46	2,495	3,861	2,997	4,827	752	93	15	0
"N" Charities Bills	Btab-2		11.91%	100.00%	3.14%	9.33%	0.00%	2.57%	8.05%	19.14%	34.62%	20.86%	1.90%	0.38%	0.00%
"N" Charities Bills - FY 07	Cust-6	4,092	487	3,605	113	336	0	93	290	690	1,248	752	69	14	0
City Leased Property Bills %	Btab-2		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%
City Leased Property Bills - FY 07	Cust-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unmetered Bills %	Btab-2		67.98%	100.00%	66.48%	14.46%	1.90%	4.74%	9.48%	0.11%	1.90%	0.00%	0.00%	0.95%	0.00%
Unmetered Bills - FY 07	Cust-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipal Bills %	Btab-2		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%
Municipal Bills - FY 07	Cust-6	12,468	0	12,468	12,468	0	0	0	0	0	0	0	0	0	0
Private Fire Connections %	Btab-2		0.02%	100.00%	0.00%	0.06%	0.00%	0.00%	0.08%	7.06%	25.38%	49.93%	15.16%	1.98%	0.36%
Private Fire Connections - FY 07	Cust-3	46,728	10	46,718	(1)	26	0	0	39	3,296	11,859	23,324	7,083	923	169

See also WCOS04 file for summary of FY93 customer consumption analysis.

	Total Usage	First 2 Mcf	Next 98 Mcf	Next 1,900 Mcf	Over 2,000 Mcf
		Usage Blocks			
REFERENCES: (BilTab.xls)	PN 25038	PN 25038	PN 25038	PN 25038	PN 25038
Percentage distributions	M-2	M-1	M-1	M-1	M-1
General Service excluding Senior Citizens (Wrev-2)					
FY 07 Usage (Mcf)	6,026,766				
Residential	5.91	21.80	27.71		
Distribution (%)	0.494700	84.350000	15.230000	0.420000	0.000000
FY 07 Usage (Mcf)	2,981,441	2,514,845	454,073	12,522	0
Senior Citizens					
Distribution (%)	Wrev-2	90.260000	9.570000	0.170000	(0.000000)
FY 07 Usage (Mcf)	111,544	100,680	10,675	190	0
Commercial					
Distribution (%)	0.381500	31.910000	54.570000	13.520000	0.000000
FY 07 Usage (Mcf)	2,299,211	733,678	1,254,679	310,853	0
Industrial (including Hand Billed)					
Distribution (%)	0.123800	2.930000	33.580000	51.650000	11.840000
FY 07 Usage (Mcf)	746,114	21,861	250,545	385,368	88,340
Public Utilities					
Distribution (%) (a) (b)		1.560000	17.895000	39.743000	40.802000
FY 07 Usage (Mcf)	0	0	0	0	0
Miscellaneous					
Distribution (%) (a) (c)		7.140000	36.326000	36.986000	19.548000
FY 07 Usage (Mcf)	0	0	0	0	0
Housing Authority					
Distribution (%)	Cust-9	16.660000	43.610000	39.410000	0.320000
FY 07 Usage (Mcf)	204,518	34,073	89,190	80,601	654
Charities and Schools					
"6 Cent"					
Distribution (%) (d)	Wrev-3	6.510000	52.950000	39.880000	0.660000
FY 07 Usage (Mcf)	246,914	16,074	130,741	98,469	1,630
"N"					
Distribution (%) (d)	Wrev-3	6.510000	52.950000	39.880000	0.660000
FY 07 Usage (Mcf)	254,136	16,544	134,565	101,349	1,677
Unmetered					
Distribution (%) (e)	Cust-9	100.000000	0.000000	0.000000	0.000000
FY 07 Usage (Mcf)	0	0	0	0	0
Leased City Properties (821) (f)					
Distribution (%)	Cust-9	6.591000	64.873000	28.536000	0.000000
FY 07 Usage (Mcf)	0	0	0	0	0
Municipal (820)					
Distribution (%)	Cust-9	3.470000	28.960000	53.530000	14.040000
FY 07 Usage (Mcf)	349,435	12,125	101,196	187,053	49,061
Fire Protection					
Private		0	0	1	0
Distribution (%)	Cust-9	3.630000	34.100000	62.270000	0.000000
FY 07 Usage (Mcf)	Unmetered	0	0	0	0
Total Retail Water Usage	7,193,313	3,449,880	2,425,664	1,176,405	141,362
	Cust-9				
Plus Bucks County	709,198				
	7,902,511	Check with Cust-9 - OK within rounding			

(a) Included in other General Service classes.
(b) Public Utilities usage block distribution kept same as PN 13041 (1991 ?).
(c) Miscellaneous usage block distribution kept same as PN 13041 (1991 ?).
(d) No distinction made between consumption patterns of "N" and "6-Cent" charities.
(e) Unmetered usage block distribution kept same as PN 13041 (1991 ?).
(f) CD 821 usage block distribution kept same as PN 13041 (1991 ?). CD 821 included in General Service.

Ref.: 2002-2004 BD-27.3 (135647.100)

		First 2 Mcf	Next 98 Mcf	Next 1,900 Mcf	Over 2,000 Mcf	Total Billings	
		Usage Blocks					
						$	
		19.44	15.40	13.70	10.25	Feb 1, 2005	
		19.91	15.77	14.03	10.50	Aug 1, 2005	
Current Rates		21.14	16.75	14.90	11.15	Jul 1, 2006	
Retail Customers		21.80	17.27	15.36	11.50	Jul 1, 2007	
Retail Customers		21.80	17.27	15.36	11.50	USED	
Residential							
Units		2,514,845	454,073	12,522	0		
Billings - $		54,823,621	7,841,841	192,338	0	62,857,800	
Senior Citizens							
Units	Discount	100,680	10,675	190	0		
Billings - $	75.0%	1,646,118	138,268	2,189	0	1,786,575	
Commercial							
Units		733,678	1,254,679	310,853	0		
Billings - $		15,994,180	21,668,306	4,774,702	0	42,437,189	
Industrial (including Hand Billed)							
Units		21,861	250,545	385,368	88,340		
Billings - $		476,570	4,326,912	5,919,252	1,015,910	11,738,644	
Public Utilities							
Units		0	0	0	0		
Billings - $		0	0	0	0	0	
Miscellaneous							
Units		0	0	0	0		
Billings - $		0	0	0	0	0	
Housing Authority							
Units	Discount	34,073	89,190	80,601	654		
Billings - $	99.0%	735,363	1,524,908	1,225,651	7,446	3,493,369	
Charities and Schools							
"6 Cent"							
Units	Discount	16,074	130,741	98,469	1,630		
Billings - $	75.0%	262,810	1,693,423	1,134,363	14,059	3,104,654	
"N"							
Units	Discount	16,544	134,565	101,349	1,677		
Billings - $	75.0%	270,494	1,742,953	1,167,540	14,464	3,195,452	
Total Charities & Schools Billings - $		533,304	3,436,376	2,301,903	28,523	6,300,107	
Unmetered							
Units		0	0	0	0		
Billings - $		0	0	0	0	0	
Leased City Properties (821)							
Units		0	0	0	0		
Billings - $		0	0	0	0	0	
Municipal							
Units		12,125	101,196	187,053	49,061		349,435
Billings - $		264,325	1,747,655	2,873,134	564,202	5,449,316	15.59
Subtotal - Billings $		74,473,482	40,684,266	17,289,170	1,616,080	134,062,998	
Fire Protection							
Private							
Annual Charge - $/meter							
Units		0	0	0	0		
Billings - $		0	0			0	
Public							
Standard Pressure - Billings - $							
High Pressure - Billings - $							
Total Public Fire Protection Billings - $		0	0	0	0	0	
Total Retail Customers Billings - $		74,473,482	40,684,266	17,289,170	1,616,080	134,062,998	
Wholesale Customers - Bucks County Billings - $							
Total System Billings - $		74,473,482	40,684,266	17,289,170	1,616,080	134,062,998	

Ref.: BD-27

			Meter Size - Inches												Volume Charge Billings	Service Charge Billings	Total Billings
			5/8	3/4	1	1-1/4	1-1/2	2	3	4	6	8	10	12	$	$	$
		Feb 1, 2005	4.02	4.30	5.20	6.24	6.91	9.62	15.23	27.66	51.89	78.87	115.54	188.20	Btab-4		
Adopted Rates		Aug 1, 2005	4.12	4.40	5.32	6.39	7.08	9.85	15.60	28.32	53.14	80.76	118.31	192.72			
		Jul 1, 2006	4.61	5.15	6.60	8.37	9.69	14.04	23.46	41.42	79.37	122.76	178.65	305.82			
		Jul 1, 2007	5.10	5.91	7.88	10.34	12.29	18.22	31.33	54.53	105.58	164.76	239.01	418.94			
RETAIL CUSTOMERS			5.10	5.91	7.88	10.34	12.29	18.22	31.33	54.53	105.58	164.76	239.01	418.94			
Residential																	
Units (Bills)	Btab-3		4,202,640	65,494	79,137	717	23,421	24,231	9,707	6,304	3,314	678	202	12			
Billings - $			21,433,464	387,070	623,596	7,414	287,844	441,480	304,120	343,730	349,892	111,625	48,161	5,027	62,857,800	24,343,422	87,201,221
Senior Citizens																	
Units (Bills)	Btab-3	Discount	223,648	28	8	0	0	0	0	0	0	0	0	0			
Billings - $		75.00%	855,454	124	47	0	0	0	0	0	0	0	0	0	1,786,575	855,625	2,642,200
Commercial																	
Units (Bills)	Btab-3		942,980	2,652	1,012	1	70	55	18	15	2	1	1	0			
Billings - $			4,809,198	15,673	7,975	10	860	1,002	564	818	211	165	239	0	42,437,189	4,836,715	47,273,904
Industrial																	
Units (Bills)	Btab-3		23,720	107	163	2	50	46	16	10	5	1	0	0			
Billings - $			120,972	632	1,284	21	615	838	501	545	528	165	0	0	11,738,644	126,101	11,864,746
Public Utilities																	
Units (Bills)	Btab-3		0	0	0	0	0	0	0	0	0	0	0	0			
Billings - $			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																	
Units (Bills)	Btab-3		0	0	0	0	0	0	0	0	0	0	0	0			
Billings - $			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Housing Authority																	
Units (Bills)	Btab-3	Discount	72,329	80	262	0	92	126	699	367	213	172	0	0			
Billings - $		99.00%	365,189	468	2,044	0	1,119	2,273	21,681	19,812	22,264	28,055	0	0	3,493,369	0	3,493,369
Charities and Schools																	
"6 Cent"		Discount															
Units (Bills)	Btab-3	75.00%	11,697	2,199	5,554	46	2,495	3,861	2,997	4,827	752	93	15	0			
Billings - $			44,741	9,747	32,824	357	22,998	52,761	70,422	197,412	59,547	11,492	2,689	0	3,104,654	504,989	3,609,644
"N Cent"																	
Units (Bills)	Btab-3	Discount	487	113	336	0	93	290	690	1,248	752	69	14	0			
Billings - $		75.00%	1,863	501	1,986	0	857	3,963	16,213	51,040	59,547	8,526	2,510	0	3,195,452	147,006	3,342,458
Total Charities & Schools Billings - $			46,604	10,248	34,810	357	23,855	56,723	86,635	248,452	119,094	20,018	5,198	0	6,300,107	651,995	6,952,102
Unmetered																	
Units (Bills)	Btab-3		0	0	0	0	0	0	0	0	0	0	0	0			
Billings - $			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leased City Properties																	
Units (Bills)	Btab-3		0	0	0	0	0	0	0	0	0	0	0	0			
Billings - $			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipal																	
Units (Bills)	Btab-3		0	12,468	0	0	0	0	0	0	0	0	0	0			
Billings - $			0	73,686	0	0	0	0	0	0	0	0	0	0	5,449,316	73,686	5,523,001
Subtotal - Billings $			27,630,881	487,901	669,756	7,802	314,293	502,316	413,501	613,358	491,989	160,028	53,598	5,027	134,062,998	30,887,545	164,950,543
Fire Protection																	
Private (PN 25038,FNE-3)																	
Annual Charge - $/meter		Feb 1, 2005	18.59	18.59	18.59	18.59	18.59	18.59	18.59	18.59	33.68	49.73	73.67	109.86			
Annual Charge - $/meter		Aug 1, 2005	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	34.49	50.92	75.44	112.50			
Annual Charge - $/meter		Jul 1, 2006	19.07	19.07	19.07	19.07	19.07	19.07	19.07	19.07	34.62	51.17	75.77	113.62			
Annual Charge - $/meter		Jul 1, 2007	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	34.76	51.50	76.14	114.63			
Units	Btab-3		9	0	24	0	0	36	3,044	10,950	21,537	6,540	852	156			
Billings			172	0	458	0	0	688	58,131	209,145	748,626	336,810	64,871	17,882	0	1,436,783	1,436,783
Public																	
Standard Pressure - Billings - $																	6,573,640
High Pressure - Billings - $																	433,000
Total Public Fire Protection Bi	Cust-5															7,006,640	7,006,640
Total Retail Customers Billings - $			27,631,052	487,901	670,214	7,802	314,293	503,004	471,632	822,503	1,240,615	496,838	118,469	22,910	134,062,998	39,330,968	173,393,966

WHOLESALE CUSTOMERS

Bucks County Billings - $	Wrev-8															2,982
Total System Billings - $		27,631,052	487,901	670,214	7,802	314,293	503,004	471,632	822,503	1,240,615	496,838	118,469	22,910	134,062,998	39,330,968	173,396,949

	Volume Charge	Service Charge	
Res, Comm, Ind, Pub. Util., Misc.	79.97%	20.03%	100.00%
Senior Citizens	67.62%	32.38%	100.00%
Housing Auth.	100.00%	0.00%	100.00%
Charities & Schools	90.62%	9.38%	100.00%
Municipal	98.67%	1.33%	100.00%
Scheduled (Flat Rate)	0.00%	0.00%	0.00%
Private Fire	0.00%	100.00%	100.00%
Public Fire	0.00%	100.00%	100.00%
Total	77.32%	22.68%	100.00%
Total less Municipal	76.61%	23.39%	100.00%
Total less Municipal & Fire	80.67%	19.33%	100.00%

	Total Calculated Revenue $	Reported Revenue $ Wrev-4	Reported/ Calculated Ratio
General Service (excluding Senior Citizens)	146,339,871	140,124,956	0.9575
Senior Citizens	2,642,200	2,531,690	0.9582
Housing Authority	3,493,369	3,852,976	1.1029
"N" Charities	3,342,458		
"6 Cent" Charities	3,609,644		
Charities & Schools	6,952,102	6,678,730	0.9607
Scheduled (Flat Rate)	0	0	N/A
Fire Meters			
City Prop. Leased to Others (821) (a)	0	0	N/A
Municipal (820)	5,523,001	7,291,137	1.3201
	164,950,543	160,479,489	0.9729

TABLE 1

GENERAL SERVICE
EXISTING WATER RATES
(Effective Jul 1, 2007)

Monthly Service Charges

Meter Size inches	Existing Rates $/month
5/8 (a)	5.10
3/4	5.91
1	7.88
1-1/4	10.34
1-1/2	12.29
2	18.22
3	31.33
4	54.53
6	105.58
8	164.76
10	239.01
12	418.94

Quantity Charges

Monthly Water Usage	Charge Per Mcf $/Mcf
First 2 Mcf	21.80
Next 98 Mcf	17.27
Next 1,900 Mcf	15.36
Over 2,000 Mcf	11.50

Mcf = 1,000 Cubic Feet = 7,480 Gallons

(a) Approximately 96 percent of all retail customers have 5/8-inch meters.

Water & Sewer Only, & Water Only

Reference: Customer_Data_Calcs.xls (page 2, page 4, page 5, page 10)

		Gen Service (a)		Senior Citizens (b)		Housing Authority		"N" Charities		"6 Cent" Charities		Scheduled (Flat Rate)		Fire Meters (Y2)	
Meter Size	Meter Code	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution
inches		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1	
5/8	R	5,006,316	97.41%	223,648	99.99%	72,696	97.79%	412	10.06%	17,524	50.75%	0	0.00%	24	0.05%
3/4	Z	3,489	0.07%	3	0.00%	0	0.00%	34	0.83%	59	0.17%	0	0.00%	0	0.00%
1	Q	68,212	1.33%	29	0.01%	213	0.29%	136	3.32%	4,567	13.23%	0	0.00%	12	0.03%
1-1/4	Y	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
1-1/2	P	21,894	0.43%	0	0.00%	156	0.21%	168	4.10%	2,259	6.54%	0	0.00%	36	0.08%
2	X	23,374	0.45%	0	0.00%	204	0.27%	515	12.58%	3,299	9.55%	0	0.00%	870	1.86%
3	O	8,058	0.16%	0	0.00%	456	0.61%	1,007	24.60%	2,556	7.40%	0	0.00%	2,715	5.81%
4	W	5,126	0.10%	0	0.00%	312	0.42%	1,169	28.55%	3,673	10.64%	0	0.00%	12,653	27.08%
6	N	2,603	0.05%	0	0.00%	204	0.27%	565	13.80%	533	1.54%	0	0.00%	22,667	48.51%
8	V	387	0.01%	0	0.00%	96	0.13%	76	1.86%	60	0.17%	0	0.00%	6,614	14.15%
10	E	147	0.00%	0	0.00%	0	0.00%	12	0.29%	0	0.00%	0	0.00%	970	2.08%
12	T	24	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	166	0.36%
Total		5,139,630		223,680		74,337		4,094		34,530		0		46,727	

		Municipal		Fire Meters (Y1)		Water Only	
Meter Size	Meter Code	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution	Annual Number of Bills	% Distribution
inches		Billing Summary BD-2.1		Billing Summary BD-2.1		Billing Summary BD-2.1	
5/8	R	2,822	26.06%	24	1.23%	14,508	82.83%
3/4	Z	240	2.22%	0	0.00%	110	0.63%
1	Q	1,500	13.85%	209	10.71%	2,130	12.16%
1-1/4	Y	12	0.11%	12	0.61%	0	0.00%
1-1/2	P	867	8.01%	24	1.23%	335	1.91%
2	X	2,764	25.52%	143	7.33%	231	1.32%
3	O	1,373	12.68%	96	4.92%	35	0.20%
4	W	724	6.69%	216	11.07%	54	0.31%
6	N	321	2.96%	455	23.31%	78	0.45%
8	V	86	0.79%	628	32.17%	23	0.13%
10	E	120	1.11%	133	6.81%	11	0.06%
12	T	0	0.00%	12	0.61%	0	0.00%
Total		10,829		1,952		17,515	100.00%

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Wrev" worksheet summarizes historical and develops projected retail and wholesale water utility billings and receipts

Range	Description	Page Number	Table
WREVIN	Index	Wrev-1	
HGSUB	Historical General Service Unit Billings	Wrev-2	
HUB	Historical Unit Billings for all Classes	Wrev-3	
SHWB	Summary of Historical Water Billings	Wrev-4	
PWB	Projected Water Billings	Wrev-5	
PWR	Projected Water Receipts	Wrev-6	
WOOR	Other Water Operating Revenue	Wrev-7	
PBCWB	Projected Bucks County Water Billings	Wrev-8	
PHSWC	Projected Aqua PA Water Billings	Wrev-9	

Reference: Customer_Data_Calcs.xls (page 2)

		Fiscal Year Ending June 30							
		2002	2003	2004	2005	2006	2007	2008	AVERAGE
5/8" Meters									
Total General Service									
Accounts	Cust-6	452,469	451,924	451,070	450,759	450,013	449,415	N/A	450,942
Water Sales (Mcf)	Cust-7	4,439,220	4,381,449	4,291,113	4,210,682	4,085,343	4,004,601		4,235,401
Billings ($)	Cust-7	70,769,799	81,023,049	87,370,596	92,195,135	100,675,879	106,455,020		89,748,246
Unit Billings ($/Mcf)		15.94	18.49	20.36	21.90	24.64	26.58		21.32
Less Senior Citizens									
Accounts	Cust-6	36,302	33,502	30,970	27,626	25,111	18,637	N/A	28,691
Water Sales (Mcf)	Cust-10	238,148	220,872	204,121	179,522	159,545	111,515		185,621
Billings ($)		3,213,093	3,435,967	3,472,682	3,280,276	3,279,579	2,531,074		3,202,112
Unit Billings ($/Mcf)		13.49	15.56	17.01	18.27	20.56	22.70		17.93
Balance General Service									
Accounts		416,167	418,422	420,100	423,133	424,902	430,778	N/A	422,250
Water Sales (Mcf)		4,201,071	4,160,577	4,086,992	4,031,160	3,925,798	3,893,087	N/A	4,049,781
Billings ($)		67,556,706	77,587,082	83,897,914	88,914,859	97,396,300	103,923,945	N/A	86,546,134
Unit Billings ($/Mcf)		16.08	18.65	20.53	22.06	24.81	26.69		21.47
> 5/8" Meters									
Total General Service									
Accounts	Cust-6	11,857	11,436	11,101	10,805	10,520	10,239	N/A	10,993
Water Sales (Mcf)	Cust-7	2,195,602	2,161,627	2,264,419	1,972,412	2,263,339	2,133,709		2,165,185
Billings ($)	Cust-7	23,413,309	26,829,483	29,063,487	29,631,183	35,325,922	36,201,626		30,077,502
Unit Billings ($/Mcf)		10.66	12.41	12.83	15.02	15.61	16.97		13.92
Less Senior Citizens									
Accounts	Cust-6	33	22	14	11	9	3	N/A	15
Water Sales (Mcf)	Cust-10	605	311	219	252	188	29		267
Billings ($)		6,342	4,249	3,193	3,578	3,016	615		3,499
Unit Billings ($/Mcf)		10.48	13.68	14.61	14.19	16.08	21.00		15.01
Balance General Service									
Accounts		11,824	11,414	11,087	10,794	10,511	10,236	N/A	10,978
Water Sales (Mcf)		2,194,997	2,161,316	2,264,201	1,972,159	2,263,152	2,133,680	N/A	2,164,918
Billings ($)		23,406,967	26,825,234	29,060,294	29,627,605	35,322,906	36,201,011	N/A	30,074,003
Unit Billings ($/Mcf)		10.66	12.41	12.83	15.02	15.61	16.97		13.92
Average Unit Rate for General Service		14.195	16.483	17.761	19.703	21.422	23.240		18.721

References: General Service and Senior Citizens Actual Billings and Usage - Wrev-2
Housing Authority and Leased City Properties Actual Billings and Usage and Unmetered Actual Billings - Cust-7
Unmetered Actual Usage - Cust-7
Municipal Actual Billings and Usage - Cust-5
Fire Meters (included in Municipal) Actual Billings - Cust-4
Customer_Data_Calcs.xls (page 2)

		(1)	(2)	(3)		(4)	(5)	(6)		(7)	(8)	(9)
		FY 2003				FY 2004				FY 2005		
		Actual Billings $	Actual Usage Mcf	Avg. Unit Billing $/Mcf (1) / (2)		Actual Billings $	Actual Usage Mcf	Avg. Unit Billing $/Mcf (4) / (5)		Actual Billings $	Actual Usage Mcf	Avg. Unit Billing $/Mcf (7) / (8)
General Service (a)		104,412,316	6,321,893	16.516		112,958,207	6,351,193	17.785		118,542,464	6,003,319	19.746
Senior Citizens		3,440,216	221,183	15.554		3,475,875	204,339	17.010		3,283,854	179,774	18.267
Housing Authority		2,714,482	209,637	12.948		2,533,072	162,866	15.553		3,306,947	219,356	15.076
Charities & Schools												
"6 Cent"	x	2,704,323	270,591	9.994	x	2,847,988	261,217	10.903	x	2,917,829	248,527	11.741
"N"	x	2,667,554	305,301	8.737	x (Revised)	2,730,350	283,167	9.642	x	2,762,150	268,768	10.277
Subtotal		5,371,877	575,893	9.328		5,578,338	544,384	10.247		5,679,979	517,295	10.980
Unmetered		0	0	0.000		0	0	0.000		0	0	0.000
Leased City Properties		0	0	0.000		0	0	0.000		0	0	0.000
Municipal (b)		6,564,961	595,052	11.033		14,024,996	544,877	25.740		15,516,780	633,635	24.489
Total Billings		122,503,852				138,570,489				146,330,024		

		(10)	(11)	(12)		(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
		FY 2006				FY 2007			USE FOR PROJECTIONS Avg Unit Billing							
		Actual Billings $	Actual Usage Mcf	Avg. Unit Billing $/Mcf (10) / (11)		Actual Billings $	Actual Usage Mcf	Avg. Unit Billing $/Mcf (13) / (14)	FY 2008 $/Mcf	FY 2009 $/Mcf	FY 2010 $/Mcf	FY 2011 $/Mcf	FY 2012 $/Mcf	FY 2013 $/Mcf	FY 2014 $/Mcf	FY 2015 $/Mcf
General Service (a)		132,719,206	6,188,950	21.445		140,124,956	6,026,766	23.250	24.316000	24.428000	24.518000	24.611000	24.708000	24.803000	24.902000	25.005000
Senior Citizens		3,282,595	159,732	20.551		2,531,690	111,544	22.697	23.654000	23.668000	23.669000	23.670000	23.671000	23.673000	23.663000	23.664000
Housing Authority		4,005,110	240,840	16.630		3,852,976	204,518	18.839	19.081000	19.103000	19.103000	19.103000	19.103000	19.103000	19.103000	19.103000
Charities & Schools																
"6 Cent"	x	3,592,949	284,479	12.630	x	3,538,390	246,914	14.330								
"N"	x	3,069,022	265,809	11.546	x	3,140,340	254,136	12.357								
Subtotal		6,661,972	550,288	12.106		6,678,730	501,050	13.329	13.613000	13.628000	13.628000	13.628000	13.628000	13.628000	13.628000	13.628000
Unmetered		0	0	0.000		0	0	0.000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Leased City Properties		0	0	0.000		0	0	0.000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Municipal (b)		15,850,700	625,016	25.360		14,297,777	349,435	40.917	16.333000	16.352000	16.352000	16.352000	16.352000	16.352000	16.352000	16.352000
Total Billings		162,519,582				167,486,129			4.50%							

Source: Wrev Check.xls

(a) Includes Residential, Commercial, Industrial, Public Utilities, and Miscellaneous.
(b) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).

	Reference	Fiscal Year Ending June 30					
		2002	2003	2004	2005	2006	2007
		$	$	$	$	$	$
Senior Citizens	Wrev-2	3,219,435	3,440,216	3,475,875	3,283,854	3,282,595	2,531,690
Other General Service	Wrev-2	90,963,673	104,412,316	112,958,207	118,542,464	132,719,206	140,124,956
Housing Authority	Cust-7	2,212,422	2,714,482	2,533,072	3,306,947	4,005,110	3,852,976
Charities & Schools	Cust-7	4,685,085	5,371,877	5,578,338	5,679,979	6,661,972	6,678,730
City Leased Properties (a)	Cust-7	0	0	0	0	0	0
Municipal (b)	Wrev-3	5,146,573	6,564,961	14,024,996	15,516,780	8,872,762	7,291,137
Unmetered	Cust-7	60	0	0	0	0	0
Bucks County	Cust-7	2,861,824	2,982,483	3,097,489	3,861,861	4,030,504	4,232,558
Philadelphia Suburban	Cust-7	175,835	1,979,646	2,264,156	2,376,385	2,399,220	3,080,787
Total General Customers		109,264,907	127,465,981	143,932,134	152,568,270	161,971,368	167,792,834

(a) Included with General Service.
(b) Includes Public Fire Protection (Cust-5), W&S and W only (Cust-5), and Fire Meters (Cust-4).

Customers	Actual FY 2006 Volume Mcf Cust-10 Cust-9	Actual FY 2006 Billings $1,000 Wrev-4	Actual FY 2007 Volume Mcf Cust-10 Cust-9	Actual FY 2007 Billings $1,000 Wrev-4	Budget Year FY 2008 Volume Mcf Cust-10 Cust-9	Budget Year FY 2008 Billings $1,000 (vol x unit)	FY 2009 Volume Mcf Cust-10 Cust-9	FY 2009 Billings $1,000 (vol x unit)	FY 2010 Volume Mcf Cust-10 Cust-9	FY 2010 Billings $1,000 (vol x unit)
General Service										
Senior Citizens	159,732	3,283	111,544	2,532	105,400	2,493	99,000	2,343	92,500	2,189
All Other	6,188,950	132,719	6,026,766	140,125	5,832,000	141,811	5,732,800	140,041	5,633,700	138,127
Subtotal	6,348,682	136,002	6,138,311	142,657	5,937,400	144,304	5,831,800	142,384	5,726,200	140,316
Housing Authority	240,840	4,005	204,518	3,853	219,300	4,184	221,700	4,235	224,200	4,283
Charities & Schools	550,288	6,662	501,050	6,679	531,100	7,230	531,100	7,238	531,100	7,238
City Leased Properties (CD 821)	0	0	0	0	0	0	0	0	0	0
Municipal	625,016	8,873	349,435	7,291	460,000	7,513	460,000	7,522	460,000	7,522
Unmetered	0	0	0	0	0	0	0	0	0	0
Total		155,542		160,480		163,231		161,379		159,359
Total less Municipal		146,669		153,189		155,718		153,857		151,837

Customers	FY 2011 Volume Mcf Cust-10 Cust-9	FY 2011 Billings $1,000 (vol x unit)	FY 2012 Volume Mcf Cust-10 Cust-9	FY 2012 Billings $1,000 (vol x unit)	FY 2013 Volume Mcf Cust-10 Cust-9	FY 2013 Billings $1,000 (vol x unit)	FY 2014 Volume Mcf Cust-10 Cust-9	FY 2014 Billings $1,000 (vol x unit)	FY 2015 Volume Mcf Cust-10 Cust-9	FY 2015 Billings $1,000 (vol x unit)	FY 2009 Test Year Volume Mcf	FY 2009 Test Year Billings $1,000
General Service												
Senior Citizens	86,000	2,036	79,500	1,882	73,000	1,728	66,600	1,576	60,100	1,422	99,000	2,343
All Other	5,534,800	136,217	5,436,000	134,313	5,341,800	132,493	5,247,600	130,676	5,153,500	128,863	5,732,800	140,041
Subtotal	5,620,800	138,253	5,515,500	136,195	5,414,800	134,221	5,314,200	132,252	5,213,600	130,285	5,831,800	142,384
Housing Authority	226,600	4,329	229,100	4,376	231,500	4,422	234,000	4,470	236,400	4,516	221,700	4,235
Charities & Schools	531,100	7,238	531,100	7,238	531,100	7,238	531,100	7,238	531,100	7,238	531,100	7,238
City Leased Properties (CD 821)	0	0	0	0	0	0	0	0	0	0	0	0
Municipal	460,000	7,522	460,000	7,522	460,000	7,522	460,000	7,522	460,000	7,522	460,000	7,522
Unmetered	0	0	0	0	0	0	0	0	0	0	0	0
Total		157,342		155,331		153,403		151,482		149,561	7,044,600	161,379
Total less Municipal		149,820		147,809		145,881		143,960		142,039	6,584,600	153,857

Percentage decrease (enter a negative % to reflect an increase) to projected gross water billings to yield projections more in line with history: 0.00

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)	(11)
		Billings										Receipts	
		General Service											
FY		Senior Citizens $1,000	All Other General Service (a) $1,000	Housing Authority $1,000	Charities & Schools $1,000	City Leased Properties $1,000	Unmetered $1,000	Subtotal (b)(f) $1,000	Bucks County (c) $1,000	Aqua PA $1,000	Total (f) $1,000	Bucks County (c) $1,000	Aqua PA $1,000
2002	Wrev-4	3,219	90,964	2,212	4,685	0	0	101,080	2,862	176	104,118		
2003	Wrev-4	3,440	104,412	2,714	5,372	0	0	115,938	2,982	1,980	120,900		
2004	Wrev-4	3,476	112,958	2,533	5,578	0	0	124,545	3,097	2,264	129,906		
2005	Wrev-4	3,284	118,542	3,307	5,680	0	0	130,813	3,862	2,376	137,051		
2006	Wrev-4	3,283	132,719	4,005	6,662	0	0	146,669	4,031	2,399	153,099		
2007	Wrev-4	2,532	140,125	3,853	6,679	0	0	153,189	4,233	3,081	160,503		
2008	Wrev-5	2,493	141,811	4,184	7,230	0	0	155,718	4,453	3,097	163,268	4,453	3,096
2009	Wrev-5	2,343	140,041	4,235	7,238	0	0	153,857	4,453	2,558	160,868	4,453	2,603
2010	Wrev-5	2,189	138,127	4,283	7,238	0	0	151,837	4,453	2,558	158,848	4,453	2,558
2011	Wrev-5	2,036	136,217	4,329	7,238	0	0	149,820	4,453	2,558	156,831	4,453	2,558
2012	Wrev-5	1,882	134,313	4,376	7,238	0	0	147,809	4,453	2,558	154,820	4,453	2,558
2013	Wrev-5	1,728	132,493	4,422	7,238	0	0	145,881	4,453	2,558	152,892	4,453	2,558
2014	Wrev-5	1,576	130,676	4,470	7,238	0	0	143,960	4,453	2,558	150,971	4,453	2,558
2015	Wrev-5	1,422	128,863	4,516	7,238	0	0	142,039	4,453	2,558	149,050	4,453	2,558
TY 2009		2,343	140,041	4,235	7,238	0	0	153,857	4,453	2,558	160,868	4,453	2,603

		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
		Receipts								
				Municipal						
		B&V Calc General Customers & Bucks Co. Receipts (c) $1,000	Actual Calculated General Customers & Bucks Co. Receipts $1,000 BD 8 and BD 20-2	Water Sales $1,000 Cust-5	Fire (d) Protection $1,000 Cust-5	Misc. Municipal $1,000	Total (e) $1,000	Private Fire Protection $1,000 Cust-5	Total Receipts $1,000 (10)+(15)+(16)	(10) / (11)
2002	Wrev-4	100,232	99,562	5,058	25		5,083	1,019		
2003	Wrev-4	112,646	116,389	6,463	26		6,489	1,202		
2004	Wrev-4	122,420	124,513	6,368	7,553		13,921	1,383		98.3%
2005	Wrev-4	130,613	133,649	7,843	7,567		15,410	1,444		97.7%
2006	Wrev-4	144,158	147,772	8,750	6,978		15,728	1,645		97.6%
2007	Wrev-4	155,343	157,229	7,189	7,007		14,196	1,668		98.8%
Sum 2004 - 2007	==>	552,534	563,163							98.1%
			%of Prev. Yr.	Wrev-5	Wrev-3					
2008	Wrev-5	158,142	100.58%	7,513	7,248	(1,550)	13,211	1,688	173,041	
2009	Wrev-5	156,448	98.93%	7,522	6,986		14,508	1,688	172,644	
2010	Wrev-5	154,572	98.80%	7,522	6,986		14,508	1,688	170,768	
2011	Wrev-5	152,619	98.74%	7,522	6,986		14,508	1,688	168,815	
2012	Wrev-5	150,667	98.72%	7,522	6,986		14,508	1,688	166,863	
2013	Wrev-5	148,788	98.75%	7,522	6,986		14,508	1,688	164,984	
2014	Wrev-5	146,921	98.75%	7,522	6,986		14,508	1,688	163,117	
2015	Wrev-5	145,058	98.73%	7,522	6,986		14,508	1,688	161,254	
TY 2009		156,448		7,522	6,986	0	14,508	1,688	172,644	

(a) Includes Residential, Commercial, Public Utilities, and Miscellaneous.
(b) 2008 and beyond subtotals reflect a change to gross water billings of 0.0%.
(c) See BOX 1 for calculation of receipts.
(d) As of FY 2005 the high pressure system was decommissioned; no revenues from O&M, capital recovery phased out at 200k/yr.
(e) Reflects Interfund Charges To General Fund for Water Service for Municipal , Zoo, Groundwater Discharge, Public Fire Protection, and Misc. Municipal revenues.
(f) Excludes Municipal.

BOX 1 BD-13

Year	(1) Current Year	(2) 1st Prior Year	(3) 2nd Prior Year	Line Cum	Year Cum	
Reserved						
1995	84.09	8.00	2.00	94.09	94.09	
1996	82.16	8.75	2.50	92.16	92.16	
1997	85.71	8.75	2.50	96.96	96.96	
1998	86.14	8.75	2.50	97.39	97.39	
1999	85.39	8.75	2.50	96.64	96.64	
2000	85.51	8.75	2.50	96.76	96.76	
2001	85.72	8.75	2.50	96.97	96.97	
2002	85.08	8.75	2.50	96.33	96.33	<== 85.08+8.75+2.50
2003	84.78	8.75	2.50	96.03	96.28	<== 84.78+9.00+2.50
2004	85.40	9.00	2.50	96.90	96.90	<== 85.40+9.00+2.50
2005	86.11	9.00	2.50	97.61	97.61	<== 86.11+9.00+2.50
2006	85.39	9.00	2.50	96.89	96.89	<== 85.39+9.00+2.50
2007	85.88	9.00	2.50	97.38	97.38	<== 85.88+9.00+2.50
2008	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2009	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2010	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2011	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2012	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2013	85.50	9.00	2.50	97.00	97.00	<== 85.50+9.00+2.50
2014	85.50	9.00	2.50	97.00	94.50	<== 85.50+9.00+0.00
2015	85.50	9.00	2.50	97.00	85.50	<== 85.50+0.00+0.00

Additional Notes:
- 1/3 of Aviation Fund payments included in Water Fund. The remaining 2/3 recorded as Sewer Revenue (Cust-28)

Fiscal Year	(1) Penalties (a) $ BD 20-2	(2) General Customer Billings (c) $ Wrev-4	(3) Percent of General Customer Billings % (1)/(2)	(4) Other (b) $ BD 19-2	(5) Aviation Fund $ BD 20-2	(6) Total $ (1)+(4)+(5)	
2002	2,553,399	104,118,334	2.45%	1,658,000	193,333	4,404,732	Excludes Restoring Water Service Charge (8217)
2003	2,535,224	120,901,020	2.10%	1,923,000	237,000	4,695,224	Excludes Restoring Water Service Charge (8217)
2004	2,994,139	129,907,138	2.30%	2,235,000	372,435	5,601,574	
2005	3,401,230	137,051,490	2.48%	2,598,000	301,735	6,300,965	
2006	3,772,567	153,098,606	2.46%	2,497,000	283,991	6,553,558	
2007	3,825,509	160,501,697	2.38%	2,868,000	324,291	7,017,800	
	(2) x (3)	Wrev-6					
2008	3,918,000	163,268,200	2.4%	2,911,000	300,000	7,129,000	Recent History & BD 19-2 (Mayors Budget)
2009	3,861,000	160,868,200	2.4%	2,911,000	300,000	7,072,000	
2010	3,812,000	158,848,200	2.4%	2,911,000	300,000	7,023,000	
2011	3,764,000	156,831,200	2.4%	2,911,000	300,000	6,975,000	
2012	3,716,000	154,820,200	2.4%	2,911,000	300,000	6,927,000	
2013	3,669,000	152,892,200	2.4%	2,911,000	300,000	6,880,000	
2014	3,623,000	150,971,200	2.4%	2,911,000	300,000	6,834,000	
2015	3,577,000	149,050,200	2.4%	2,911,000	300,000	6,788,000	
TY 2009	3,861,000	160,868,200	2.4%	2,911,000	300,000	7,072,000	

(a) Includes revenue source codes 8002, 8004, 8102, 8104 per JLW beginning in FY 1990.
(b) Other includes 50% of Fleet Management, L&I, Water - Miscellaneous, Revenue - Miscellaneous, and from Mayor's Budget PLUS Restoring Water Service Charge (8217).
(c) Excludes Municipal.

Reference: BD 27

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Rates				Billing Statistics			Calculated Billings			
Fiscal Year	Fixed Charge $/yr.	Commodity Charge $/Mcf	Demand Charge $/mgd of max. demand	Date Effective	Usage Mcf Cust-7	Max. Demand mgd (9) / (3)	Fixed $ (1)	Commodity $ (2) x (5)	Demand $ $	Total $ (7) + (8) + (9)	Check Total $ Cust-7
2002	1,681,000	0.532	32,852		715,976	24.35	1,681,000	380,899	799,925	2,861,824	2,861,824
2003	1,708,000	0.566	35,815		743,784	23.83	1,708,000	420,981	853,502	2,982,483	2,982,483
2004	1,737,000	0.599	38,704		742,126	23.67	1,737,000	444,533	915,956	3,097,489	3,097,489
2005	2,173,000	0.681	50,041	BD 18.3 & BD 27.3	737,110	23.72	2,173,000	501,972	1,186,889	3,861,861	3,861,861
2006	2,198,000	0.761	52,980	BD 27	761,176	23.66	2,198,000	579,255	1,253,249	4,030,504	4,030,504
2007	2,243,000	0.857	59,388	BD 27	709,198	23.27	2,243,000	607,783	1,381,775	4,232,558	4,232,558

Compounded Rate of Growth in Consumption:

Compounded 2002 - 2007 =	99.81%
Compounded 2003 - 2007 =	98.82%
Compounded 2004 - 2007 =	98.50%
Compounded 2005 - 2007 =	98.09%
USE FUTURE GROWTH RATE OF	100.00%

Compounded Rate of Growth in Billings:

Compounded 2002 - 2007 =	108.14%
Compounded 2003 - 2007 =	109.15%
Compounded 2004 - 2007 =	110.97%
Compounded 2005 - 2007 =	104.69%

					Cust-9		(1)	(2) x (5)	(3) x (6)	(7) + (8) + (9)
2008	2,266,000	0.903	62,531	BD 27	725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2009	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2010	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2011	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2012	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2013	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2014	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
2015	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000
TY 2009	2,266,000	0.903	62,531		725,000	24.50	2,266,000	655,000	1,532,000	4,453,000

Fiscal Year (d)	Monthly Demand Charge $/mo (a)	Annual Demand Charge $	Volume 1,000 gal. (b)	Volume Rate $/1,000 gal (c)	Volume Charge $	Subtotal $	Management Fee @10 % $	Total Billings $	Total Receipts $
2008	211,750	2,541,000	1,569,500	0.1750	274,663	2,815,663	281,566	3,097,200	3,095,800
2009	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,603,100
2010	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
2011	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
2012	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
2013	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
2014	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
2015	170,917	2,051,000	1,569,500	0.1750	274,663	2,325,663	232,566	2,558,200	2,558,200
TY 2009	170,917	2,051,000	1,569,500	0.1750					

(a) BD 27
(b) 2001 Rate Study, WCOS file Retcos-6
(c) See JRM letter of November 1, 2002 addressing water loss to PSWC (Aqua PA) and renegotiated rate (BD-27.4).
(d) FY2005 through FY 2009 rates reflect those generated in 01/2004 filing and subsequently negotiated with PSWC (Aqua PA).

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Srev" worksheet is not used. Projected sewer receipts are developed in Cust-26 and Cust-27.

SREV1 Not Used - See PSB - Projected Sewer Billings (Cust-26) and PSR - Projected Sewer Receipts(Cust-27)

PSB	Projected Sewer Billings	Cust-26
PSR	Projected Sewer Receipts	Cust-27

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "OMone" worksheet summarizes historical and develops projected Water Department O&M expense.

Range	Description	Page Number	Table	
OMoneIN	Index	OMone-1		
HOM1	Historical O&M - Page 1	OMone-2		
HOM2	Historical O&M - Page 2	OMone-3		
HOM3	Historical O&M - Page 3	OMone-4		
SHOM	Summary of Historical O&M	OMone-5		
ANNICR	Annual Increases in O&M	OMone-6		
POM	Projected O&M Expenditures	OMone-7		
PNOTES	Notes to Projected O&M	OMone-8		Currently not in use
ICFB	Interdepartmental Charges & Fringe Benefits	OMone-9		
ICNOTES	Notes to Interdepartment Charges & Fringe Benefits	OMone-10		
POWER	Power Costs	OMone-11		
CHEM	Chemical Costs	OMone-12		Adjustment for Bucks Odor Control
SPC	Summary of Water and Sewer Power and Chemical Co	OMone-13		
BYROM	Summary of FY 2008 O&M Expense	OMone-14		

References:
A. 1996 Project 26034.200, DBB-1, FY 1996 Operating Budget, FY1996 Obligation Level
B. PN 31416.100, FY 1998 Budget, FB-6b
C. PN 61133.101, FY 1999 Budget, FN98-18.1

Line No.	Description	(1) FY 2002 Budget Request $ Ref. A	(2) FY 2002 Actual Obligations $ Ref. A	(3) FY 2002 Percent Difference % (2) / (1)	(4) FY 2003 Budget Request $ Ref. B	(5) FY 2003 Actual Obligations $ Ref. C	(6) FY 2003 Percent Difference % (8) / (7)	(7) FY 2004 Budget Request $ Ref. A	(8) FY 2004 Actual Obligations $ Ref. B	(9) FY 2004 Percent Difference % (5) / (4)
	HUMAN RESOURCES									
1	Class 100	1,440,000	1,209,850	84.02%	1,424,000	1,237,380	86.89%	1,392,161	1,276,009	91.66%
2	Class 200	1,154,500	1,244,372	107.78%	1,162,000	1,078,381	92.80%	1,222,000	917,231	75.06%
3	Class 300	115,500	70,588	61.12%	155,000	80,877	52.18%	114,500	94,627	82.64%
4	Class 400	58,000	47,655	82.16%	66,000	15,846	24.01%	17,500	9,706	55.46%
5	Class 500	12,000	3,532,407	29436.73%	12,000	3,842,954	32024.62%	12,000	2,883,691	24030.76%
6	Class 800			0.00%			0.00%			0.00%
7	Subtotal	2,780,000	6,104,872	219.60%	2,819,000	6,255,438	221.90%	2,758,161	5,181,264	187.85%
	FINANCE AND ADMINISTRATION									
8	Class 100	5,520,000	5,332,095	96.60%	5,710,000	5,505,596	96.42%	6,258,988	5,795,609	92.60%
9	Class 200	2,393,000	2,317,598	96.85%	2,934,560	2,522,422	85.96%	4,203,500	2,952,598	70.24%
10	Class 300	728,000	775,788	106.56%	857,600	970,143	113.12%	907,700	923,697	101.76%
11	Class 400	500,000	260,572	52.11%	540,000	170,513	31.58%	263,500	213,651	81.08%
12	Class 500			0.00%			0.00%			0.00%
13	Class 800	38,843,883	32,715,638	84.22%	40,384,341	38,103,470	94.35%	50,117,485	38,322,077	76.46%
14	Subtotal	47,984,883	41,401,691	86.28%	50,426,501	47,272,144	93.74%	61,751,173	48,207,632	78.07%
	PLANNING & ENGINEERING (Includes Information Science and Technology Prior to FY2000)									
15	Class 100	6,300,000	6,310,546	100.17%	6,772,000	6,823,133	100.76%	8,126,188	7,607,995	93.62%
16	Class 200	8,989,000	7,658,257	85.20%	9,744,850	8,613,392	88.39%	7,457,300	6,107,815	81.90%
17	Class 300	730,000	687,892	94.23%	824,500	715,222	86.75%	847,500	699,304	82.51%
18	Class 400	593,000	505,691	85.28%	650,000	611,456	94.07%	564,600	513,987	91.04%
19	Class 500			0.00%			0.00%			0.00%
20	Class 800			0.00%			0.00%			0.00%
21	Subtotal	16,612,000	15,162,386	91.27%	17,991,350	16,763,203	93.17%	16,995,588	14,929,101	87.84%
	INFORMATION SCIENCE & TECHNOLOGY (Included with Planning & Engineering Prior to FY2000)									
22	Class 100	3,850,000	3,650,051		3,951,167	3,735,414		3,513,874	3,285,931	93.51%
23	Class 200	3,005,000	2,626,262		3,574,714	3,027,277		4,218,404	2,770,014	65.66%
24	Class 300	286,000	209,996		301,500	204,045		258,500	194,276	75.16%
25	Class 400	405,000	318,645		355,000	360,490		351,250	227,373	64.73%
26	Class 500									
27	Class 800									
28	Subtotal	7,546,000	6,804,954		8,182,381	7,327,226		8,342,028	6,477,594	77.65%
	OPERATIONS									
29	Class 100	63,228,000	60,971,855	96.43%	65,714,000	63,712,923	96.95%	68,309,703	65,778,414	96.29%
30	Class 200 - Power	14,545,000	14,541,446	99.98%	14,502,000	15,298,335	105.49%	18,107,000	17,703,440	97.77%
31	Class 200 - All Other	23,724,000	21,735,763	91.62%	24,191,000	23,257,844	96.14%	25,163,000	25,678,991	102.05%
32	Class 300 - Chemicals	10,189,000	10,169,228	99.81%	10,982,000	11,810,122	107.54%	13,575,000	13,576,860	100.01%
33	Class 300 - All Other	14,219,000	13,338,149	93.81%	13,604,000	12,686,461	93.26%	13,506,000	13,232,420	97.97%
34	Class 400	2,722,000	2,095,611	76.99%	2,251,000	1,782,596	79.19%	2,374,000	1,592,184	67.07%
35	Class 500			0.00%			0.00%			0.00%
36	Class 800			0.00%			0.00%			0.00%
37	Subtotal	128,627,000	122,852,052	95.51%	131,244,000	128,548,281	97.95%	141,034,703	137,562,309	97.54%
	CUSTOMER AFFAIRS (PUBLIC)									
38	Class 100	1,450,000	1,291,316	89.06%	1,520,000	1,351,179	88.89%	1,612,946	1,546,557	95.88%
39	Class 200	2,251,000	2,072,761	92.08%	2,719,000	2,604,298	95.78%	2,143,710	1,948,679	90.90%
40	Class 300	292,000	291,484	99.82%	234,000	249,288	106.53%	208,900	207,555	99.36%
41	Class 400	42,000	31,963	76.10%	32,000	3,775	11.80%	62,000	25,471	41.08%
42	Class 500			0.00%			0.00%			0.00%
43	Class 800			0.00%			0.00%			0.00%
44	Subtotal	4,035,000	3,687,524	91.39%	4,505,000	4,208,540	93.42%	4,027,556	3,728,262	92.57%
	DIVISION TOTALS									
45	Class 100	81,788,000	78,765,713	96.30%	85,091,167	82,365,625	96.80%	89,213,860	85,290,515	95.60%
46	Class 200 - Power	14,545,000	14,541,446	99.98%	14,502,000	15,298,335	105.49%	18,107,000	17,703,440	97.77%
47	Class 200 - All Other	41,516,500	37,655,013	90.70%	44,326,124	41,103,614	92.73%	44,407,914	40,375,328	90.92%
48	Class 300 - Chemicals	10,189,000	10,169,228	99.81%	10,982,000	11,810,122	107.54%	13,575,000	13,576,860	100.01%
49	Class 300 - All Other	16,370,500	15,373,897	93.91%	15,976,600	14,906,036	93.30%	15,843,100	15,351,879	96.90%
50	Class 400	4,320,000	3,260,137	75.47%	3,894,000	2,944,676	75.62%	3,632,850	2,582,372	71.08%
51	Class 500	12,000	3,532,407	29436.73%	12,000	3,842,954	32024.62%	12,000	2,883,691	24030.76%
52	Class 800	38,843,883	32,715,638	84.22%	40,384,341	38,103,470	94.35%	50,117,485	38,322,077	76.46%
53	Total	207,584,883	196,013,479	94.43%	215,168,232	210,374,832	97.77%	234,909,209	216,086,162	91.99%
54	Total excluding Classes 500 & 800	168,729,000	159,765,434	94.69%	174,771,891	168,428,408	96.37%	184,779,724	174,880,394	94.64%

References: BD 19-1 (PWD Budget)

Line No.	Description	(10) FY 2005 Budget Request $ Ref. C Inc. 1x bonus	(11) FY 2005 Actual Obligations $ Ref. C	(12) FY 2005 Percent Difference % (11)/(10)	(13) FY 2006 Budget Request $ Ref. D	(14) FY 2006 Actual Obligations $ Ref. E	(15) FY 2006 Percent Difference % (14) / (13)	
	HUMAN RESOURCES							
1	Class 100	1,384,254	1,209,370	87.37%	1,441,338	1,192,551	82.74%	
2	Class 200	1,056,000	999,488	94.65%	1,040,000	858,532	82.55%	
3	Class 300	78,000	64,492	82.68%	79,900	61,200	76.60%	
4	Class 400	142,500	61,764	43.34%	23,500	0	0.00%	
5	Class 500	15,000	2,412,874	16085.83%	10,000	4,208,894	42088.94%	
6	Class 800			0.00%			0.00%	
7	Subtotal	2,675,754	4,747,988	177.44%	2,594,738	6,321,177	243.62%	
	FINANCE AND ADMINISTRATION							
8	Class 100	6,228,909	5,666,442	90.97%	7,262,788	6,686,654	92.07%	
9	Class 200	5,224,000	4,052,559	77.58%	5,546,000	4,154,323	74.91%	
10	Class 300	1,048,100	749,813	71.54%	999,500	813,373	81.38%	
11	Class 400	245,000	232,887	95.06%	278,000	145,369	52.29%	
12	Class 500			0.00%			0.00%	
13	Class 800	46,643,676	33,549,272	71.93%	59,461,978	72,355,420	121.68%	Includes Water & Finance - Residual
14	Subtotal	59,389,685	44,250,973	74.51%	73,548,266	84,155,139	114.42%	
	PLANNING & ENGINEERING (Includes Information Science and Technology Prior to FY2000)							
15	Class 100	8,335,969	7,755,643	93.04%	8,551,000	7,909,848	92.50%	
16	Class 200	8,078,300	6,644,008	82.25%	7,913,700	7,572,875	95.69%	
17	Class 300	911,500	645,981	70.87%	1,007,000	847,570	84.17%	
18	Class 400	841,300	566,496	67.34%	971,100	868,893	89.48%	
19	Class 500			0.00%			0.00%	
20	Class 800			0.00%			0.00%	
21	Subtotal	18,167,069	15,612,128	85.94%	18,442,800	17,199,186	93.26%	
	INFORMATION SCIENCE & TECHNOLOGY (Included with Planning & Engineering Prior to FY2000)							
22	Class 100	3,494,447	3,250,333	93.01%	3,484,000	3,211,796	92.19%	
23	Class 200	3,862,024	1,811,753	46.91%	3,179,324	2,077,005	65.33%	
24	Class 300	251,000	184,955	73.69%	286,500	197,012	68.77%	
25	Class 400	340,000	119,278	35.08%	240,150	200,041	83.30%	
26	Class 500			0.00%			0.00%	
27	Class 800			0.00%			0.00%	
28	Subtotal	7,947,471	5,366,319	67.52%	7,189,974	5,685,854	79.08%	
					Security moved to Finance in FY06			
	OPERATIONS							
29	Class 100	68,842,867	64,472,056	93.65%	68,244,000	63,658,058	93.28%	
30	Class 200 - Power	18,497,000	18,398,309	99.47%	18,838,000	18,204,352	96.64%	
31	Class 200 - All Other	35,760,000	27,057,521	75.66%	28,569,000	28,847,819	100.98%	
32	Class 300 - Chemicals	14,734,000	13,668,318	92.77%	14,845,000	14,080,580	94.85%	
33	Class 300 - All Other	13,490,000	14,113,104	104.62%	13,922,000	14,268,358	102.49%	
34	Class 400	3,126,000	2,622,693	83.90%	2,437,000	1,550,346	63.62%	
35	Class 500			0.00%			0.00%	
36	Class 800			0.00%			0.00%	
37	Subtotal	154,449,867	140,332,001	90.86%	146,855,000	140,609,513	95.75%	
	CUSTOMER AFFAIRS (PUBLIC)							
38	Class 100	1,720,142	1,479,597	86.02%	1,701,800	1,365,517	80.24%	
39	Class 200	1,933,124	1,624,572	84.04%	1,942,470	1,806,957	93.02%	
40	Class 300	320,400	202,354	63.16%	379,000	268,123	70.74%	
41	Class 400	82,000	14,366	17.52%	66,000	14,461	21.91%	
42	Class 500			0.00%			0.00%	
43	Class 800			0.00%			0.00%	
44	Subtotal	4,055,666	3,320,889	81.88%	4,089,270	3,455,058	84.49%	
	DIVISION TOTALS							
45	Class 100	90,006,588	83,833,441	93.14%	90,684,926	84,024,424	92.66%	
46	Class 200 - Power	18,497,000	18,398,309	99.47%	18,838,000	18,204,352	96.64%	
47	Class 200 - All Other	55,913,448	42,189,901	75.46%	48,190,494	45,317,511	94.04%	
48	Class 300 - Chemicals	14,734,000	13,668,318	92.77%	14,845,000	14,080,580	94.85%	
49	Class 300 - All Other	16,099,000	15,960,699	99.14%	16,673,900	16,455,636	98.69%	
50	Class 400	4,776,800	3,617,484	75.73%	4,015,750	2,779,110	69.21%	
51	Class 500	15,000	2,412,874	16085.83%	10,000	4,208,894	42088.94%	
52	Class 800	46,643,676	33,549,272	71.93%	59,461,978	72,355,420	121.68%	
53	Total	246,685,512	213,630,298	86.60%	252,720,048	257,425,927	101.86%	
54	Total excluding Classes 500 & 800	200,026,836	177,668,152	88.82%	193,248,070	180,861,613	93.59%	

References: BD 19-1 (PWD Budget) and OM Review.xls

Line No.	Description	(1) FY 2007 Budget Request $ Ref. E	(2) FY 2007 Actual Obligations $ Ref. E	(3) FY 2007 Percent Difference %	(4) FY 2008 Budget Request $ Ref. E	(5) FY 2008 Actual Obligations $	(6) FY 2008 Percent Difference %	(7) 2002 - 2007 Weighted 5 Yr. Avg. (% Actual of Budget)	(8) 2005 - 2007 Weighted 3 Yr. Avg. (% Actual of Budget)	(9) 2006 - 2007 Weighted 2 Yr. Avg. (% Actual of Budget)	(10) USE FOR FUTURE PROJECTIONS	(11) Used in #135647.0100	(12) Used in #99137.0100	(13) Used in #61133.0101
	HUMAN RESOURCES													
1	Class 100	1,362,000	1,161,291	85.26%	1,627,024		0.00%	86.29%	85.09%	83.97%	86.0%	91.5%	92.0%	91.0%
2	Class 200	1,278,500	879,506	68.79%	1,406,000		0.00%	86.47%	81.12%	74.96%	80.0%	100.0%	111.0%	110.0%
3	Class 300	85,000	78,882	92.80%	78,000		0.00%	71.77%	84.22%	84.95%	85.0%	65.0%	99.0%	94.0%
4	Class 400	30,500	4,385	14.38%	17,000		0.00%	41.23%	33.66%	8.12%	35.0%	92.0%	92.0%	87.0%
5	Class 500	100,000	2,445,419	2445.42%	100,000		0.00%				0.0%			
6	Class 800			0.00%			0.00%				0.0%			
7	Subtotal	2,856,000	4,569,483	160.00%	3,228,024	0	0.00%	201.29%	192.44%	199.80%				
	FINANCE AND ADMINISTRATION													
8	Class 100	7,442,000	6,996,444	94.01%	7,658,000		0.00%	93.65%	92.43%	93.05%	93.0%	98.5%	96.0%	95.0%
9	Class 200	5,391,550	3,617,546	67.10%	7,306,000		0.00%	76.35%	73.16%	71.06%	75.0%	90.0%	74.0%	70.0%
10	Class 300	939,400	947,205	100.83%	932,000		0.00%	94.52%	84.04%	90.80%	95.0%	101.0%	94.0%	95.0%
11	Class 400	220,000	191,377	86.99%	152,000		0.00%	59.34%	76.67%	67.62%	80.0%	65.0%	97.0%	135.0%
12	Class 500			0.00%			0.00%				0.0%			
13	Class 800	41,497,000	62,884,672	151.54%	179,341,467		0.00%	100.35%	114.35%	133.96%	0.0%			
14	Subtotal	55,489,950	74,637,244	134.51%	195,389,467	0	0.00%	97.51%	107.76%	123.06%				
	PLANNING & ENGINEERING													
15	Class 100	8,824,000	8,099,899	91.79%	9,496,000		0.00%	94.88%	92.43%	92.14%	93.0%	99.0%	100.0%	99.0%
16	Class 200	9,235,400	8,098,690	87.69%	12,206,345		0.00%	86.92%	88.46%	91.38%	90.0%	89.0%	95.0%	95.0%
17	Class 300	1,043,800	933,181	89.40%	1,194,800		0.00%	84.43%	81.92%	86.83%	85.0%	101.0%	94.0%	103.0%
18	Class 400	892,500	533,631	59.79%	1,034,400		0.00%	79.78%	72.79%	75.26%	76.0%	95.0%	96.0%	104.0%
19	Class 500			0.00%			0.00%				0.0%			
20	Class 800			0.00%			0.00%				0.0%			
21	Subtotal	19,995,700	17,665,401	88.35%	23,931,545	0	0.00%	89.95%	89.17%	90.70%				
	INFORMATION SCIENCE & TECHNOLOGY													
22	Class 100	3,549,000	3,080,995	86.81%	3,584,000		0.00%	92.55%	90.65%	89.48%	92.0%	95.0%	100.0%	See Pln & Engr
23	Class 200	3,140,779	3,043,944	96.92%	2,973,724		0.00%	73.19%	68.09%	81.03%	80.0%	88.0%	95.0%	See Pln & Engr
24	Class 300	284,000	200,399	70.56%	294,500		0.00%	71.41%	70.89%	69.66%	71.0%	77.0%	94.0%	See Pln & Engr
25	Class 400	353,150	256,302	72.58%	257,000		0.00%	72.49%	61.68%	76.92%	75.0%	86.0%	96.0%	See Pln & Engr
26	Class 500			0.00%			0.00%				0.0%			
27	Class 800			0.00%			0.00%				0.0%			
28	Subtotal	7,326,929	6,581,640	89.83%	7,109,224	0	0.00%	82.18%	78.50%	84.50%				
	OPERATIONS													
29	Class 100	69,221,000	65,493,456	94.62%	69,324,000		0.00%	95.17%	93.85%	93.95%	96.6%	99.0%	98.0%	99.0%
30	Class 200 - Power	18,948,000	20,444,459	107.90%	19,335,000		0.00%	101.12%	101.36%	102.28%	101.0%	99.0%	96.0%	98.0%
31	Class 200 - All Other	36,878,000	33,142,924	89.87%	45,513,000		0.00%	91.64%	87.99%	94.72%	97.5%	99.0%	96.0%	98.0%
32	Class 300 - Chemicals	18,732,000	17,533,737	93.60%	20,751,500		0.00%	97.33%	93.73%	94.15%	98.0%	98.0%	99.0%	98.0%
33	Class 300 - All Other	13,573,000	14,653,687	107.96%	13,837,500		0.00%	99.97%	105.00%	105.19%	103.0%	98.0%	99.0%	98.0%
34	Class 400	2,155,000	1,546,548	71.77%	1,626,000		0.00%	74.28%	74.11%	67.44%	74.0%	82.0%	78.0%	85.0%
35	Class 500			0.00%			0.00%				0.0%			
36	Class 800			0.00%			0.00%				0.0%			
37	Subtotal	159,507,000	152,814,811	95.80%	170,387,000	0	0.00%	95.47%	94.13%	95.78%				
	CUSTOMER AFFAIRS (PUBLIC)													
38	Class 100	1,778,000	1,395,915	78.51%	1,802,000		0.00%	86.17%	81.56%	79.36%	80.0%	94.0%	93.0%	94.0%
39	Class 200	1,990,000	1,831,130	92.02%	2,123,000		0.00%	91.60%	89.72%	92.51%	92.5%	96.0%	92.0%	90.0%
40	Class 300	322,700	194,927	60.41%	302,000		0.00%	80.46%	65.10%	65.99%	66.0%	88.0%	76.0%	83.0%
41	Class 400	61,500	18,082	29.40%	44,000		0.00%	31.29%	22.39%	25.52%	25.0%	75.0%	72.0%	90.0%
42	Class 500			0.00%			0.00%				0.0%			
43	Class 800			0.00%			0.00%				0.0%			
44	Subtotal	4,152,200	3,440,054	82.85%	4,271,000	0	0.00%	87.84%	83.08%	83.66%				
	DIVISION TOTALS													
45	Class 100	92,176,000	86,228,000	93.55%	93,491,024	0	0.00%	94.62%	93.12%	93.10%	95.4%			
46	Class 200 - Power	18,948,000	20,444,459	107.90%	19,335,000	0	0.00%	101.12%	101.36%	102.28%	96.0%			
47	Class 200 - All Other	57,914,229	50,613,740	87.39%	71,528,069	0	0.00%	88.02%	85.25%	90.41%	93.3%			
48	Class 300 - Chemicals	18,732,000	17,533,737	93.60%	20,751,500	0	0.00%	97.33%	93.73%	94.15%	91.1%			
49	Class 300 - All Other	16,247,900	17,008,281	104.68%	16,638,800	0	0.00%	97.78%	100.82%	101.65%	100.5%			
50	Class 400	3,712,650	2,550,325	68.69%	3,130,400	0	0.00%	72.82%	71.55%	68.96%	74.1%			
51	Class 500	100,000	2,445,419	2445.42%	100,000	0	0.00%	12003.88%	7253.75%	6049.38%	0.0%			
52	Class 800	41,497,000	62,884,672	151.54%	179,341,467	0	0.00%	100.35%	114.35%	133.96%	0.0%			
53	Total	249,327,779	259,708,633	104.16%	404,316,260	0	0.00%	96.22%	97.60%	103.01%	0.0%			
54	Total excluding Classes 500 & 800	207,730,779	194,378,542	93.57%	224,874,793	0	0.00%	92.98%	92.00%	93.58%	94.70%			

NOTE: Class 800 expenses consist of the following:

	FY 2008	
Payments to General Fund	18,953,467	OMtwo-4
Transfer of Interest Income to General Fund	4,994,000	Payments to Other Funds, BD 19-1 (Operating Budget), pg. 26
Current Year R&R Fund Requirement	17,788,000	Payments to Capital Fund. BD 19-1 (Operating Budget) pg 26.
Current Year Residual Fund Payment in Excess of "Scoop	137,606,000	Payment to Special Funds, BD 19-1 (Operating Budget) pg 26
Total	179,341,467	

Line No.	Description	(1) FY 2002 Actual O&M $ OMone-2	(2) FY 2003 Actual O&M $ OMone-3	(3) FY 2004 Actual O&M $ OMone-3	(4) FY 2005 Actual O&M (a) $ OMone-3	(5) FY 2006 Actual O&M $ OMone-3	(6) FY 2007 Estimated O&M $ OMone-4
	HUMAN RESOURCES						
1	Class 100	1,209,850	1,237,380	1,276,009	1,209,370	1,192,551	1,161,291
2	Class 200	1,244,372	1,078,381	917,231	999,488	858,532	879,506
3	Class 300	70,588	80,877	94,627	64,492	61,200	78,882
4	Class 400	47,655	15,846	9,706	61,764	0	4,385
5	Class 500	3,532,407	3,842,954	2,883,691	2,412,874	4,208,894	2,445,419
6	Class 800	0	0	0	0	0	0
7	Subtotal	6,104,872	6,255,438	5,181,264	4,747,988	6,321,177	4,569,483
	FINANCE AND ADMINISTRATION						
8	Class 100	5,332,095	5,505,596	5,795,609	5,666,442	6,686,654	6,996,444
9	Class 200	2,317,598	2,522,422	2,952,598	4,052,559	4,154,323	3,617,546
10	Class 300	775,788	970,143	923,697	749,813	813,373	947,205
11	Class 400	260,572	170,513	213,651	232,887	145,369	191,377
12	Class 500	0	0	0	0	0	0
13	Class 800	32,715,638	38,103,470	38,322,077	33,549,272	72,355,420	62,884,672
14	Subtotal	41,401,691	47,272,144	48,207,632	44,250,973	84,155,139	74,637,244
	PLANNING & ENGINEERING (Includes Information Science and Technology Prior to FY2000)						
15	Class 100	6,310,546	6,823,133	7,607,995	7,755,643	7,909,848	8,099,899
16	Class 200	7,658,257	8,613,392	6,107,815	6,644,008	7,572,875	8,098,690
17	Class 300	687,892	715,222	699,304	645,981	847,570	933,181
18	Class 400	505,691	611,456	513,987	566,496	868,893	533,631
19	Class 500	0	0	0	0	0	0
20	Class 800	0	0	0	0	0	0
21	Subtotal	15,162,386	16,763,203	14,929,101	15,612,128	17,199,186	17,665,401
	INFORMATION SCIENCE & TECHNOLOGY (Included with Planning & Engineering Prior to FY2000)						
22	Class 100	3,650,051	3,735,414	3,285,931	3,250,333	3,211,796	3,080,995
23	Class 200	2,626,262	3,027,277	2,770,014	1,811,753	2,077,005	3,043,944
24	Class 300	209,996	204,045	194,276	184,955	197,012	200,399
25	Class 400	318,645	360,490	227,373	119,278	200,041	256,302
26	Class 500	0	0	0	0	0	0
27	Class 800	0	0	0	0	0	0
28	Subtotal	6,804,954	7,327,226	6,477,594	5,366,319	5,685,854	6,581,640
	OPERATIONS						
22	Class 100	60,971,855	63,712,923	65,778,414	64,472,056	63,658,058	65,493,456
23	Class 200 - Power	14,541,446	15,298,335	17,703,440	18,398,309	18,204,352	20,444,459
24	Class 200 - All Other	21,735,763	23,257,844	25,678,991	27,057,521	28,847,819	33,142,924
25	Class 300 - Chemicals	10,169,228	11,810,122	13,576,860	13,668,318	14,080,580	17,533,737
26	Class 300 - All Other	13,338,149	12,686,461	13,232,420	14,113,104	14,268,358	14,653,687
27	Class 400	2,095,611	1,782,596	1,592,184	2,622,693	1,550,346	1,546,548
28	Class 500	0	0	0	0	0	0
29	Class 800	0	0	0	0	0	0
30	Subtotal	122,852,052	128,548,281	137,562,309	140,332,001	140,609,513	152,814,811
	CUSTOMER AFFAIRS						
31	Class 100	1,291,316	1,351,179	1,546,557	1,479,597	1,365,517	1,395,915
32	Class 200	2,072,761	2,604,298	1,948,679	1,624,572	1,806,957	1,831,130
33	Class 300	291,484	249,288	207,555	202,354	268,123	194,927
34	Class 400	31,963	3,775	25,471	14,366	14,461	18,082
35	Class 500	0	0	0	0	0	0
36	Class 800	0	0	0	0	0	0
37	Subtotal	3,687,524	4,208,540	3,728,262	3,320,889	3,455,058	3,440,054
	DIVISION TOTALS						
38	Class 100	78,765,713	82,365,625	85,290,515	83,833,441	84,024,424	86,228,000
39	Class 200 - Power	14,541,446	15,298,335	17,703,440	18,398,309	18,204,352	20,444,459
40	Class 200 - All Other	37,655,013	41,103,614	40,375,328	42,189,901	45,317,511	50,613,740
41	Class 300 - Chemicals	10,169,228	11,810,122	13,576,860	13,668,318	14,080,580	17,533,737
42	Class 300 - All Other	15,373,897	14,906,036	15,351,879	15,960,699	16,455,636	17,008,281
43	Class 400	3,260,137	2,944,676	2,582,372	3,617,484	2,779,110	2,550,325
44	Class 500	3,532,407	3,842,954	2,883,691	2,412,874	4,208,894	2,445,419
45	Class 800	32,715,638	38,103,470	38,322,077	33,549,272	72,355,420	62,884,672
46	Total	196,013,479	210,374,832	216,086,162	213,630,298	257,425,927	259,708,633
47	Total excluding Classes 500 & 800	159,765,434	168,428,408	174,880,394	177,668,152	180,861,613	194,378,542

Line No.	Description	(1) Weighted Average % Increase 2003 - 2007	(2) Weighted Average % Increase 2004 - 2007	(3) Weighted Average % Increase 2005 - 2007	(4) Weighted Average % Increase 2006 - 2007	(5) Use for Future Projections FY 2009 NOT IN USE	(6) FY 2010	(7) FY 2011	(8) FY 2012	(9) FY 2013	(10) FY 2014	(11) FY 2015		(12) Budget FY 2009	(13) Budget FY 2010
	HUMAN RESOURCES														
1	Class 100	-1.6%	-3.1%	-2.0%	-2.6%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		1,713,000	
2	Class 200	-5.0%	-1.4%	-6.2%	2.4%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		1,538,000	
3	Class 300	-0.6%	-5.9%	10.6%	28.9%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		143,000	
4	Class 400	-27.5%	-23.3%	-73.4%	#DIV/0!	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		16,000	
5	Class 500	-10.7%	-5.3%	0.7%	-41.9%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		100,000	
6	Class 800	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
7	Subtotal	-7.6%	-4.1%	-1.9%	-27.7%								x	3,510,000	0
	FINANCE AND ADMINISTRATION														
8	Class 100	6.2%	6.5%	11.1%	4.6%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		7,964,020	
9	Class 200	9.4%	7.0%	-5.5%	-12.9%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		7,348,340	
10	Class 300	-0.6%	0.8%	12.4%	16.5%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		1,042,000	
11	Class 400	2.9%	-3.6%	-9.3%	31.6%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		601,000	
12	Class 500	N/A	N/A	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		0	
13	Class 800	13.3%	18.0%	36.9%	-13.1%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		107,039,000	
14	Subtotal	12.1%	15.7%	29.9%	-11.3%								x	123,994,360	0
	PLANNING & ENGINEERING (Includes Information Science and Technology Prior to FY2000)														
15	Class 100	4.4%	2.1%	2.2%	2.4%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		10,433,060	
16	Class 200	-1.5%	9.9%	10.4%	6.9%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		16,484,304	
17	Class 300	6.9%	10.1%	20.2%	10.1%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		1,344,871	
18	Class 400	-3.3%	1.3%	-2.9%	-38.6%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		1,474,748	
19	Class 500	N/A	N/A	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%			
20	Class 800	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
21	Subtotal	1.3%	5.8%	6.4%	2.7%								x	29,736,983	0
	INFORMATION SCIENCE & TECHNOLOGY (Included with Planning & Engineering Prior to FY2000)														
22	Class 100	-4.7%	-1.6%	-1.3%	-1.0%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		3,877,764	
23	Class 200	0.1%	2.4%	13.9%	10.0%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		3,097,200	
24	Class 300	-0.4%	0.8%	2.0%	0.4%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		295,500	
25	Class 400	-8.2%	3.0%	21.1%	6.4%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		317,000	
26	Class 500	N/A	N/A	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%			
27	Class 800	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
28	Subtotal	-2.6%	0.4%	5.2%	3.7%								x	7,587,464	0
	OPERATIONS														
29	Class 100	0.7%	-0.1%	0.8%	2.9%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		72,230,000	
30	Class 200 - Power	7.5%	4.9%	5.4%	12.3%	2.50%	2.50%	2.50%	7.50%	7.50%	7.50%	7.50%		20,308,000	
31	Class 200 - All Other	9.3%	8.9%	10.7%	14.9%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		44,309,700	
32	Class 300 - Chemicals	10.4%	8.9%	13.3%	24.5%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%		24,555,500	
33	Class 300 - All Other	3.7%	3.5%	1.9%	2.7%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		15,411,750	
34	Class 400	-3.5%	-1.0%	-23.2%	-0.2%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		1,877,441	
35	Class 500	N/A	N/A	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%			
36	Class 800	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
37	Subtotal	4.4%	3.6%	4.4%	8.7%								x	178,692,391	0
	CUSTOMER AFFAIRS														
38	Class 100	0.8%	-3.4%	-2.9%	2.2%	2.00%	2.00%	3.00%	4.00%	3.00%	3.00%	3.00%		2,036,600	
39	Class 200	-8.4%	-2.1%	6.2%	1.3%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		2,522,200	
40	Class 300	-6.0%	-2.1%	-1.9%	-27.3%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		309,400	
41	Class 400	47.9%	-10.8%	12.2%	25.0%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		45,100	
42	Class 500	N/A	N/A	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%			
43	Class 800	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
44	Subtotal	-4.9%	-2.6%	1.8%	-0.4%								x	4,913,300	0
	DIVISION TOTALS														
45	Class 100	1.2%	0.4%	1.4%	2.6%	5.19%	2.53%	3.54%	4.54%	3.53%	3.53%	3.53%		98,254,444	0
46	Class 200 - Power	7.5%	4.9%	5.4%	12.3%	5.03%	2.50%	11.90%	16.53%	7.50%	7.50%	7.50%		20,308,000	0
47	Class 200 - All Other	5.3%	7.8%	9.5%	11.7%	4.95%	1.33%	3.00%	3.00%	3.00%	3.00%	3.00%		75,299,744	0
48	Class 300 - Chemicals	10.4%	8.9%	13.3%	24.5%	18.33%	9.00%	9.00%	9.00%	9.00%	9.00%	9.00%		24,555,500	0
49	Class 300 - All Other	3.4%	3.5%	3.2%	3.4%	11.51%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		18,546,521	0
50	Class 400	-3.5%	-0.4%	-16.0%	-8.2%	39.86%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		4,331,289	0
51	Class 500	-10.7%	-5.3%	0.7%	-41.9%	NA	NA	NA	NA	NA	NA	NA		100,000	0
52	Class 800	13.3%	18.0%	36.9%	-13.1%	NA	NA	NA	NA	NA	NA	NA		107,039,000	0
53	Total	5.4%	6.3%	10.3%	0.9%	7.22%	2.89%	4.68%	5.60%	4.40%	4.44%	4.49%		348,434,498	0
54	Total excl Classes 500 & 800	3.6%	3.6%	4.6%	7.5%								Factor	1	0 1 = Apply Actual/Budget Factors

Line No.	Description	(1) FY 2008 Budgeted O&M $ OMone-4	(2) Budget Factor $ OMone-4	(3) FY 2008 Estimated O&M $ (1) x (2)	(4) Adj. to FY 2008 Budgeted O&M $ OMone-8	(5) FY 2008 Base O&M $ (3)+(4)	(6) FY 2009 Estimated O&M $	(7) FY 2010 Estimated O&M $	(8) FY 2011 Estimated O&M $	(9) FY 2012 Estimated O&M $	(10) FY 2013 Estimated O&M $	(11) FY 2014 Estimated O&M $	(12) FY 2015 Estimated O&M $	(13) FY 2009 Test Year $	(14) Non-Recurring Adjustments (Prior to adjustments) FY 2009 Estimated O&M $ NOT IN USE	(15) FY 2010 Estimated O&M $
							Projected O&M Expense									
							Previous year's O&M times the growth factor (OMone-6)									
	HUMAN RESOURCES		86.0%				86.5%	87.0%	87.5%	88.0%	88.5%	89.0%	89.5%			
1	Class 100	1,627,024	86.0%	1,399,241		1,399,241	1,481,700	1,520,100	1,574,700	1,647,100	1,706,100	1,767,200	1,830,500	1,481,700		(52,200)
2	Class 200	1,406,000	80.0%	1,124,800		1,124,800	1,230,400	1,267,300	1,305,300	1,344,500	1,384,800	1,426,300	1,469,100	1,230,400		
3	Class 300	78,000	85.0%	66,300		66,300	121,600	125,200	129,000	132,900	136,900	141,000	145,200	121,600		
4	Class 400	17,000	35.0%	5,950		5,950	5,600	5,800	6,000	6,200	6,400	6,600	6,800	5,600		
5	Class 500	100,000	0.0%	0		0	0	0	0	0	0	0	0	0		
6	Class 800	0	0.0%	0		0	0	0	0	0	0	0	0	0		
7	Subtotal	3,228,024		2,596,291	0	2,596,291	2,839,300	2,918,400	3,015,000	3,130,700	3,234,200	3,341,100	3,451,600	2,839,300	0	(52,200)
	FINANCE AND ADMINISTRATION		93.0%				93.5%	94.0%	94.5%	95.0%	95.5%	96.0%	96.5%			
8	Class 100	7,658,000	93.0%	7,121,940		7,121,940	7,446,400	7,635,900	7,906,800	8,266,600	8,559,400	8,862,300	9,175,800	7,446,400		(238,900)
9	Class 200	7,306,000	75.0%	5,479,500		5,479,500	5,511,300	5,444,900	5,608,200	5,776,400	5,949,700	6,128,200	6,312,000	5,511,300		(300,000)
10	Class 300	932,000	95.0%	885,400		885,400	989,900	1,019,600	1,050,200	1,081,700	1,114,200	1,147,600	1,182,000	989,900		
11	Class 400	152,000	80.0%	121,600		121,600	480,800	495,200	510,100	525,400	541,200	557,400	574,100	480,800		
12	Class 500	0	0.0%	0		0	0	0	0	0	0	0	0	0		
13	Class 800	179,341,467	0.0%	0		0	0	0	0	0	0	0	0	0		
14	Subtotal	195,389,467		13,608,440	0	13,608,440	14,428,400	14,595,600	15,075,300	15,650,100	16,164,500	16,695,500	17,243,900	14,428,400	0	(538,900)
	PLANNING & ENGINEERING		93.0%				93.5%	94.0%	94.5%	95.0%	95.5%	96.0%	96.5%			
15	Class 100	9,496,000	93.0%	8,831,280		8,831,280	9,754,900	10,003,200	10,358,100	10,829,400	11,213,000	11,609,900	12,020,500	9,754,900		(317,900)
16	Class 200	12,206,345	90.0%	10,985,711		10,985,711	14,835,900	14,354,000	14,784,600	15,228,100	15,684,900	16,155,400	16,640,100	14,835,900		(1,000,000)
17	Class 300	1,194,800	85.0%	1,015,580		1,015,580	1,143,100	1,177,400	1,212,700	1,249,100	1,286,600	1,325,200	1,365,000	1,143,100		
18	Class 400	1,034,400	76.0%	786,144		786,144	1,120,800	1,154,400	1,189,000	1,224,700	1,261,400	1,299,200	1,338,200	1,120,800		
19	Class 500	0	0.0%	0		0	0	0	0	0	0	0	0	0		
20	Class 800	0	0.0%	0		0	0	0	0	0	0	0	0	0		
21	Subtotal	23,931,545	90.3%	21,618,715	0	21,618,715	26,854,700	26,689,000	27,544,400	28,531,300	29,445,900	30,389,700	31,363,800	26,854,700	0	(1,317,900)
	INFORMATION SCIENCE & TECHNOLOGY		92.0%				92.5%	93.0%	93.5%	94.0%	94.5%	95.0%	95.5%			
22	Class 100	3,584,000	92.0%	3,297,280		3,297,280	3,586,900	3,678,400	3,809,200	3,982,700	4,124,000	4,270,200	4,421,500	3,586,900		(118,000)
23	Class 200	2,973,724	80.0%	2,378,979		2,378,979	2,477,800	2,552,100	2,628,700	2,707,600	2,788,800	2,872,500	2,958,700	2,477,800		
24	Class 300	294,500	71.0%	209,095		209,095	209,800	216,100	222,600	229,300	236,200	243,300	250,600	209,800		
25	Class 400	257,000	75.0%	192,750		192,750	237,800	244,900	252,200	259,800	267,600	275,600	283,900	237,800		
26	Class 500	0	0.0%	0		0	0	0	0	0	0	0	0	0		
27	Class 800	0	0.0%	0		0	0	0	0	0	0	0	0	0		
28	Subtotal	7,109,224		6,078,104		6,078,104	6,512,300	6,691,500	6,912,700	7,179,400	7,416,600	7,661,600	7,914,700	6,512,300	0	(118,000)
		Electric							11.9%	16.5%						
	OPERATIONS	Current	96.6%				96.6%	97.1%	97.6%	98.1%	98.6%	99.1%	99.6%			
29	Class 100	69,324,000	96.6%	66,966,984		66,966,984	69,774,200	71,538,000	74,063,600	77,420,700	80,149,800	82,972,900	85,893,300	69,774,200		(2,210,900)
30	Class 200 - Power	19,335,000	101.0%	19,528,350		19,528,350	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400	20,511,100		
31	Class 200 - All Other	45,513,000	97.5%	44,375,175		44,375,175	43,202,000	44,498,100	45,833,000	47,208,000	48,624,200	50,082,900	51,585,400	43,202,000		
32	Class 264 - Warranty Program	0	103.0%	0		0	0	0	0	0	0	0	0	0		
33	Class 300 - Chemicals	20,751,500	98.0%	20,336,470		20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400		
34	Class 300 - All Other	13,837,500	103.0%	14,252,625		14,252,625	15,874,100	16,350,300	16,840,800	17,346,000	17,866,400	18,402,400	18,954,500	15,874,100		
35	Class 400	1,626,000	74.0%	1,203,240		1,203,240	1,389,300	1,431,000	1,473,900	1,518,100	1,563,600	1,610,500	1,658,800	1,389,300		
36	Class 500	0	0.0%	0		0	0	0	0	0	0	0	0	0		
37	Class 800	0	0.0%	0		0	0	0	0	0	0	0	0	0		
38	Subtotal	170,387,000		166,662,844	0	166,662,844	174,815,100	181,071,500	190,326,950	202,069,400	211,641,300	221,773,300	232,504,800	174,815,100	0	0
	CUSTOMER AFFAIRS		80.0%				80.5%	81.0%	81.5%	82.0%	82.5%	83.0%	83.5%			
39	Class 100	1,802,000	80.0%	1,441,600		1,441,600	1,639,500	1,682,600	1,743,800	1,824,700	1,890,900	1,959,400	2,030,400	1,639,500		(62,100)
40	Class 200	2,123,000	92.5%	1,963,775		1,963,775	2,333,000	2,403,000	2,475,100	2,549,400	2,625,900	2,704,700	2,785,800	2,333,000		
41	Class 300	302,000	66.0%	199,320		199,320	204,200	210,300	216,600	223,100	229,800	236,700	243,800	204,200		
42	Class 400	44,000	25.0%	11,000		11,000	11,300	11,600	11,900	12,300	12,700	13,100	13,500	11,300		
43	Class 500	0	0.0%	0		0	0	0	0	0	0	0	0	0		
44	Class 800	0	0.0%	0		0	0	0	0	0	0	0	0	0		
45	Subtotal	4,271,000		3,615,695	0	3,615,695	4,188,000	4,307,500	4,447,400	4,609,500	4,759,300	4,913,900	5,073,500	4,188,000	0	(62,100)
	DIVISION TOTALS		95.3%			3.28%	95.3%	95.8%	96.3%	96.8%	97.3%	97.8%	98.3%			
46	Class 100	93,491,024	95.3%	89,058,325	0	89,058,325	93,683,600	96,058,200	99,456,200	103,971,200	107,643,200	111,441,900	115,372,000	93,683,600	0	(3,000,000)
47	Class 200 - Power	19,335,000	101.0%	19,528,350	0	19,528,350	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400	20,511,100	0	0
48	Class 200 - All Other	71,528,069	92.7%	66,307,940	0	66,307,940	69,590,400	70,519,400	72,634,900	74,814,000	77,058,300	79,370,000	81,751,100	69,590,400	0	(1,300,000)
49	Class 300 - Chemicals	20,751,500	98.0%	20,336,470	0	20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400	0	0
50	Class 300 - All Other	16,638,800	99.9%	16,628,320	0	16,628,320	18,542,700	19,098,900	19,671,900	20,262,100	20,870,100	21,496,200	22,141,100	18,542,700	0	0
51	Class 400	3,130,400	74.1%	2,320,684	0	2,320,684	3,245,600	3,342,900	3,443,100	3,546,500	3,652,900	3,762,400	3,875,300	3,245,600	0	0
52	Class 500	100,000	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Class 800	179,341,467	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Total	404,316,260		214,180,089	0	214,180,089	229,637,800	236,273,500	247,321,750	261,170,400	272,661,800	284,775,100	297,552,300	229,637,800	0	(4,300,000)
	Check with OMone-4	404,316,260														
															Factor 1	1
55	Total excluding Classes 500 & 800	224,874,793	95%	214,180,089	0	214,180,089	229,637,800	236,273,500	247,321,750	261,170,400	272,661,800	284,775,100	297,552,300	229,637,800		
	Check with OMone-4	224,874,793					111.75%	114.58%	118.64%							

Notes: FOR PROJECT NUMBER 26034.200

DO NOT USE THIS TABLE - NO LONGER NEEDED **DO NOT USE THIS TABLE - NO LONGER NEEDED** **DO NOT USE THIS TABLE - NO LONGER NEEDED**

(1) These adjustments reflect special expenditure items in the FY 2008 operating budget which will not occur in subsequent years. Therefore, these expenditures are backed out of the FY 2008 budget prior to projections of FY 2009 through FY 2015 operating expenditures.
This column may be used to normalize FY 2008 budget numbers for the purpose of projecting future years.

(2) The following items represent non-recurring expenditures included in the FY 2008 budget:

	Class 100	Class 200	Class 300	Class 400	Reference
(a). Human Resources Division:					
Consultant services for health/safety, labor rels., etc.					
Training materials, books, etc.					
Furniture					
Subtotal	0	0	0	0	
(b). Finance and Administration Division:					
Black & Veatch					
S&P, Moody's, Fitch - Bond Rating Fees					
Water Co. of America					
Black & Veatch					
Subtotal	0	0	0	0	
(c). Planning & Engineering					
BCM Contact for 537 plan					
Analytical Services					
DASD Upgrade					
Info Sci & Tech Reduction Allowance					
Subtotal	0	0	0	0	
(d). Information Science & Technology					
Class 100					
Class 200					
Class 300					
Class 400					
Subtotal	0	0	0	0	
(e). Operations Division:					
Correlator training					
Radios					
Pumps					
Leak detection correlator & pipe locator					
Sludge hauling					
Subtotal	0	0	0	0	
(f). Public Affairs Division:					
**********					
**********					
Subtotal	0	0	0	0	

References: BD 19-2 (Mayor's Operating Budget in Brief) Excludes MOIS, Fleet management, finance and procurement interdepartmentals - see OMTwo - 4

Line No.	Description	(1) FY 2008 Budgeted Expenses $ BD 19-2	(2) Budget Factor	(3) FY 2008 Estimated Expenses $ (1) * (2)	(4) Adj. to FY 2008 Budgeted O&M $	(5) FY 2008 Base O&M $ (3) + (4)	(5) FY 2009 Budgeted O&M $	(6) FY 2010 Estimated O&M $	(7) FY 2011 Estimated O&M $	(8) FY 2012 Estimated O&M $	(9) FY 2013 Estimated O&M $	(10) FY 2014 Estimated O&M $	(11) FY 2015 Estimated O&M $	(12) FY 2009 Test Year $	
							Projected O&M Expense								
							Previous year's O&M times growth factor (OMone-6)								
	INTERDEPARTMENTAL CHARGES														
	WATER DEPARTMENT: (1)	OMtwo-4													
1	Class 800 (Payments to General Fund)	18,953,467	100.00%	18,953,000		18,953,000	20,580,900	20,992,500	21,622,300	22,487,200	23,161,800	23,856,700	24,572,400	20,580,900	Inflated by class 100 growth factor
		13,505,888													
	DEPARTMENT OF REVENUE (WRB): (2)														
2	Class 100	11,143,283	86.00%	9,583,000		9,583,000	9,353,400	9,540,500	9,826,700	10,219,800	10,526,400	10,842,200	11,167,500	9,353,400	
3	Class 200	9,137,255	98.00%	8,955,000		8,955,000	9,870,300	10,166,400	10,471,400	10,785,500	11,109,100	11,442,400	11,785,700	9,870,300	
4	Class 300 & 400	1,528,100	86.00%	1,314,000		1,314,000	1,076,100	1,108,400	1,141,700	1,176,000	1,211,300	1,247,600	1,285,000	1,076,100	
5	Class 500	3,000	95.00%	3,000		3,000	2,900	3,000	3,100	3,200	3,300	3,400	3,500	2,900	
6	Class 800	0	100.00%	0		0	0	0	0	0	0	0	0	0	
7	Subtotal	21,811,638	91.03%	19,855,000	0	19,855,000	20,302,700	20,818,300	21,442,900	22,184,500	22,850,100	23,535,600	24,241,700	20,302,700	
	LAW DEPARTMENT: (3)														
8	Class 100	2,362,605	86.00%	2,032,000		2,032,000	2,216,400	2,260,700	2,328,500	2,421,600	2,494,200	2,569,000	2,646,100	2,216,400	
9	Class 200	712,087	98.00%	698,000		698,000	732,700	754,700	777,300	800,600	824,600	849,300	874,800	732,700	
10	Class 300 & 400	44,283	86.00%	38,000		38,000	40,000	41,200	42,400	43,700	45,000	46,400	47,800	40,000	
11	Class 500		95.00%	0		0	0	0	0	0	0	0	0	0	
12	Class 800		100.00%	0		0	0	0	0	0	0	0	0	0	
13	Subtotal	3,118,975		2,768,000	0	2,768,000	2,989,100	3,056,600	3,148,200	3,265,900	3,363,800	3,464,700	3,568,700	2,989,100	
	PUBLIC PROPERTIES:														
14	Class 100		86.00%	0		0	0	0	0	0	0	0	0	0	
15	Class 200	3,019,601	98.00%	2,959,000		2,959,000	3,541,600	3,647,800	3,757,200	3,869,900	3,986,000	4,105,600	4,228,800	3,541,600	
16	Class 300 & 400		86.00%	0		0	0	0	0	0	0	0	0	0	
17	Class 500		95.00%	0		0	0	0	0	0	0	0	0	0	
18	Class 800		100.00%	0		0	0	0	0	0	0	0	0	0	
19	Subtotal	3,019,601		2,959,000	0	2,959,000	3,541,600	3,647,800	3,757,200	3,869,900	3,986,000	4,105,600	4,228,800	3,541,600	
	INDEMNITIES:														
20	Class 100		86.00%	0		0	0	0	0	0	0	0	0	0	
21	Class 200		98.00%	0		0	0	0	0	0	0	0	0	0	
22	Class 300 & 400		86.00%	0		0	0	0	0	0	0	0	0	0	
23	Class 500	6,600,000	95.00%	6,270,000		6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700	6,270,000	
24	Class 800		100.00%	0		0	0	0	0	0	0	0	0	0	
25	Subtotal	6,600,000		6,270,000	0	6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700	6,270,000	
26	TOTAL INTERDEPARTMENTAL	53,503,681	94.96%	50,805,000	0	50,805,000	53,684,300	54,973,300	56,622,400	58,658,900	60,418,600	62,231,200	64,098,300	53,684,300	
				71%											
	FRINGE BENEFITS: (4)			52,991,000											
27	Budgeted	71,744,200													
	Calculated														
28	Human Resources			1,019,000			1,081,100	1,153,500	1,242,800	1,351,900	1,456,300	1,568,800	1,690,000	1,081,100	
29	Finance and Administration			5,185,000			5,433,400	5,794,500	6,240,100	6,785,000	7,306,400	7,867,500	8,471,700	5,433,400	
30	Planning & Engineering			6,430,000			7,117,800	7,591,000	8,174,700	8,888,500	9,571,500	10,306,700	11,098,100	7,117,800	
31	Information Science & Technology			2,401,000			2,617,200	2,791,400	3,006,300	3,268,900	3,520,300	3,790,900	4,082,200	2,617,200	
32	Operations			48,759,000			50,912,000	54,286,900	58,451,600	63,545,100	68,416,500	73,659,400	79,302,000	50,912,000	
33	Customer Affairs			1,050,000			1,196,300	1,276,800	1,376,200	1,497,700	1,614,100	1,739,500	1,874,600	1,196,300	
34	Dept. of Revenue (WRB)			6,977,000			6,824,900	7,239,800	7,755,300	8,388,200	8,985,400	9,625,200	10,310,500	6,824,900	
35	Law Dept.			1,479,000			1,617,200	1,715,500	1,837,700	1,987,600	2,129,100	2,280,600	2,443,000	1,617,200	
36	Total Fringe Benefits	71,744,200	102.17%	73,300,000	0	0	76,799,900	81,849,400	88,084,700	95,712,900	102,999,600	110,838,600	119,272,100	76,799,900	
				8,456,000			8,442,100	8,955,300	9,593,000	10,375,800	11,114,500	11,905,800	12,753,500	8,442,100	

(1) Payment to General Fund plus Office of Fleet Management, Office of Information Services, Director of Finance and Administration, and Procurement.

				FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015		Equivalent
(2) Class 100 expenses modified from BD 19-1 to include the following:													
Add-in for Employee Longevity		Currently not in use											Fringe
Add-in for Employee Overtime		Currently not in use	Class 100	100,673,325	105,253,400	107,859,400	111,611,400	116,612,600	120,663,800	124,853,100	129,185,600		Growth
			Fringes - Projected	73,300,000	76,799,900	81,849,400	88,084,700	95,712,900	102,999,600	110,838,600	119,272,100		Factor
(3) Class 100 expenses modified from BD 19-1 to include the following:			Ratio - Projected	72.81%	72.97%	75.89%	78.92%	82.08%	85.36%	88.78%	92.33%		
Add-in for Employee Longevity		Currently not in use	Fringes - Target	73,300,000	76,800,000	82,648,320	88,941,990	95,714,922	103,003,613	110,847,339	119,288,363		1.076
Add-in for Employee Overtime		Currently not in use	Ratio - Target		72.97%	76.63%	79.69%	82.08%	85.36%	88.78%	92.34%		
(4) Fringe benefits calculated using the projected ratio times Class 100 O&M. (See Calcs to the right)			Ratio - USE	72.81%	72.97%	75.89%	78.92%	82.08%	85.36%	88.78%	92.33%	Inflated 4% per year consistent with the City's 5 year plan (FY 2009 - FY 2013)	

References: A. BD 20-1

Line No.	Description	(1) FY 2008 Budgeted Expenses $ A.	(2) Budget Factor OMone-7	(3) FY 2008 Estimated Expenses $	(4) FY 2009 Estimated Expenses $	(5) FY 2010 Estimated Expenses $	(6) FY 2011 Estimated Expenses $	(7) FY 2012 Estimated Expenses $	(8) FY 2013 Estimated Expenses $	(9) FY 2014 Estimated Expenses $	(10) FY 2015 Estimated Expenses $	(11) FY 2009 Test Year $	Allocation Basis Water	Allocation Basis Sewer
					Projected O&M Expense									
					Previous year's expense times Operations - Class 200 - Power growth factor (OMone-6)								OMtwo-10	
	CLASS 220		**NOT IN USE**											
	DIRECT COSTS													
	Water Related													
1	Baxter Treatment Plant	300,000	101.0%	307,700	323,200	331,300	370,700	432,000	464,400	499,200	536,600	323,200	100.0%	0.0%
2	Queen Lane Treatment Plant	260,000	101.0%	266,600	280,000	287,000	321,100	374,200	402,300	432,500	464,900	280,000	100.0%	0.0%
3	Belmont Treatment Plant	166,000	101.0%	170,200	178,800	183,300	205,100	239,000	256,900	276,200	296,900	178,800	100.0%	0.0%
4	Conveyance Headquarters		101.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
5	Load Control	6,851,000	101.0%	7,026,050	7,379,600	7,564,100	8,464,050	9,862,800	10,602,400	11,397,600	12,252,400	7,379,600	100.0%	0.0%
6	Distribution		101.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
7	Pumping		101.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
8	Emergency & Support Services		101.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
9	Subtotal	7,577,000		7,770,550	8,161,600	8,365,700	9,360,950	10,908,000	11,726,000	12,605,500	13,550,800	8,161,600		
	Sewer Related													
10	Sludge Engineering Services		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
11	Sludge Utilization		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
12	Sludge Processing/Biosolids Recycling	480,000	101.0%	492,300	517,100	530,000	593,000	691,000	742,800	798,500	858,400	517,100	0.0%	100.0%
13	NEWPCP	3,600,000	101.0%	3,691,900	3,877,700	3,974,600	4,447,400	5,182,400	5,571,100	5,988,900	6,438,100	3,877,700	0.0%	100.0%
14	SWWPCP	3,900,000	101.0%	3,999,600	4,200,900	4,305,900	4,818,100	5,614,300	6,035,400	6,488,000	6,974,600	4,200,900	0.0%	100.0%
15	SEWPCP	1,485,000	101.0%	1,522,900	1,599,500	1,639,500	1,834,500	2,137,700	2,298,000	2,470,300	2,655,600	1,599,500	0.0%	100.0%
16	Industrial Waste		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
17	Sewer Maintenance	140,000	101.0%	143,600	150,800	154,600	173,000	201,600	216,700	233,000	250,500	150,800	0.0%	100.0%
18	Inlet Cleaning		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
19	Interceptors/Flow Control	1,275,000	101.0%	1,307,600	1,373,400	1,407,700	1,575,100	1,835,400	1,973,100	2,121,100	2,280,200	1,373,400	0.0%	100.0%
20	Data & Flow Control		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
21	Collector System Support		101.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
22	Subtotal	10,880,000		11,157,900	11,719,400	12,012,300	13,441,100	15,662,400	16,837,100	18,099,800	19,457,400	11,719,400		
	ALLOCATED COSTS													
	Water and Sewer Related													
23	Treatment Headquarters		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
24	Machine Shops		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
25	Building Maintenance		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
26	Security		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
27	Operations Admin/Delinquencies & Plumbing	585,000	101.0%	599,900	630,100	645,900	722,700	842,100	905,300	973,200	1,046,200	630,100	50.0%	50.0%
28	Materials Management		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
29	Customer Service		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
30	Meter Shop		101.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
31	Automotive Maintenance		101.0%	0	0	0	0	0	0	0	0	0	35.0%	65.0%
32	Subtotal	585,000		599,900	630,100	645,900	722,700	842,100	905,300	973,200	1,046,200	630,100		
33	Total Class 220	19,042,000		19,528,350	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400	20,511,100		
34	Projected Power Costs OMone-7	19,335,000		19,528,350	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400	20,511,100		
35	Water			8,070,500	8,476,700	8,688,700	9,722,300	11,329,100	12,178,700	13,092,100	14,073,900			
36	Sewer			11,457,850	12,034,400	12,335,200	13,802,450	16,083,400	17,289,700	18,586,400	19,980,500			
37	Total			19,528,350	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400			

References: A. BD 19-1, p. 63

Line No.	Description	(1) FY 2008 Budgeted Expenses $ A.	(2) Budget Factor OMone-7	(3) FY 2008 Estimated Expenses $	(4) FY 2009 Estimated Expenses $	(5) FY 2010 Estimated Expenses $	(6) FY 2011 Estimated Expenses $	(7) FY 2012 Estimated Expenses $	(8) FY 2013 Estimated Expenses $	(9) FY 2014 Estimated Expenses $	(10) FY 2015 Estimated Expenses $	(11) FY 2009 Test Year $	Allocation Basis Water	Allocation Basis Sewer
					Projected O&M Expense									
					Previous year's expense times Operations - Class 200 - Power growth factor (OMone-6)								OMtwo-10	
	CLASS 307		**NOT IN USE**											
	DIRECT COSTS													
	Water Related													
1	Baxter Treatment Plant	8,256,200	98.0%	7,101,870	8,403,800	9,160,300	9,984,800	10,883,300	11,862,900	12,930,500	14,094,300	8,403,800	100.0%	0.0%
2	Queen Lane Treatment Plant	5,569,200	98.0%	4,790,500	5,668,700	6,178,900	6,735,000	7,341,200	8,001,900	8,722,100	9,507,100	5,668,700	100.0%	0.0%
3	Belmont Treatment Plant	4,563,100	98.0%	3,925,100	4,644,600	5,062,600	5,518,200	6,014,800	6,556,100	7,146,100	7,789,200	4,644,600	100.0%	0.0%
4	Conveyance Headquarters	0	98.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
5	Load Control	0	98.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
6	Distribution	31,000	98.0%	26,700	31,600	34,400	37,500	40,900	44,600	48,600	53,000	31,600	100.0%	0.0%
7	Pumping	1,500	98.0%	1,300	1,500	1,600	1,700	1,900	2,100	2,300	2,500	1,500	100.0%	0.0%
8	Emergency & Support Services		98.0%	0	0	0	0	0	0	0	0	0	100.0%	0.0%
9	Subtotal	18,421,000	86.0%	15,845,470	18,750,200	20,437,800	22,277,200	24,282,100	26,467,600	28,849,600	31,446,100	18,750,200		
	Sewer Related													
10	Sludge Engineering Services	0	98.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
11	Sludge Utilization	0	98.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
12	Sludge Processing/Biosolids Recycling	1,670,000	98.0%	1,436,500	1,699,800	1,852,800	2,019,600	2,201,400	2,399,500	2,615,500	2,850,900	1,699,800	0.0%	100.0%
13	NEWPCP	1,320,000	98.0%	1,135,400	1,343,500	1,464,400	1,596,200	1,739,900	1,896,500	2,067,200	2,253,200	1,343,500	0.0%	100.0%
14	SWWPCP	351,000	98.0%	301,900	357,200	389,300	424,300	462,500	504,100	549,500	599,000	357,200	0.0%	100.0%
15	SEWPCP	435,000	98.0%	374,200	442,800	482,700	526,100	573,400	625,000	681,200	742,500	442,800	0.0%	100.0%
16	Industrial Waste	1,000	98.0%	900	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,100	0.0%	100.0%
17	Sewer Maintenance		98.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
18	Inlet Cleaning	9,000	98.0%	7,700	9,100	9,900	10,800	11,800	12,900	14,100	15,400	9,100	0.0%	100.0%
19	Interceptors/Flow Control	1,380,000	98.0%	1,187,100	1,404,700	1,531,100	1,668,900	1,819,100	1,982,800	2,161,300	2,355,800	1,404,700	0.0%	100.0%
20	Data & Flow Control	0	98.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
21	Collector System Support		98.0%	0	0	0	0	0	0	0	0	0	0.0%	100.0%
22	Subtotal	5,166,000	86.0%	4,443,700	5,258,200	5,731,400	6,247,200	6,809,500	7,422,300	8,090,400	8,818,500	5,258,200		
	ALLOCATED COSTS													
	Water and Sewer Related													
23	Treatment Headquarters	20,000	98.0%	17,200	20,400	22,200	24,200	26,400	28,800	31,400	34,200	20,400	50.0%	50.0%
24	Machine Shops	0	98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
25	Building Maintenance	0	98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
26	Security	0	98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
27	Operations Administration/Delinquencies & Plumbing	0	98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
28	Materials Management	35,000	98.0%	30,100	35,600	38,800	42,300	46,100	50,200	54,700	59,600	35,600	50.0%	50.0%
29	Customer Service		98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
30	Meter Shop		98.0%	0	0	0	0	0	0	0	0	0	50.0%	50.0%
31	Automotive Maintenance		98.0%	0	0	0	0	0	0	0	0	0	35.0%	65.0%
32	Subtotal	55,000	86.0%	47,300	56,000	61,000	66,500	72,500	79,000	86,100	93,800	56,000		
33	Total Class 220	23,642,000	86.0%	20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400		
34	Projected Chemical Costs OMone-7	20,751,500		20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400		
35	Water			15,869,100	18,778,200	20,468,300	22,310,500	24,318,400	26,507,100	28,892,700	31,493,000	18,778,200	78.00%	
36	Sewer			4,467,370	5,286,200	5,761,900	6,280,400	6,845,700	7,461,800	8,133,400	8,865,400	5,286,200	22.00%	
37	Total			20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400		

References: BD 19-1, page 72

THIS WORKSHEET ONLY USED TO PROVIDE PROJECTED ESTIMATED COSTS FOR SPECIFIC SEWER CHEMICAL COSTS - WATER/SEWER ALLOCATION OF CHEMICAL COSTS DETERMINED ON Omone-12

Line No.	Description	(1) FY 2008 Budgeted Expenses $	(2) NOT IN USE Adjustments (a) $	(3) NOT IN USE FY 2008 Add Budgeted Expenses $ (1) - (2)	(4) NOT IN USE Budget Factor OMone-4	(5) FY 2008 Estimated Expenses $	(6) Projected O&M Expense FY 2009 Estimated Expenses $	(7) FY 2010 Estimated Expenses $	(8) FY 2011 Estimated Expenses $	(9) FY 2012 Estimated Expenses $	(10) FY 2013 Estimated Expenses	(11) FY 2014 Estimated Expenses	(12) FY 2015 Estimated Expenses	(13) FY 2009 Test Year $	
							Projected Chemical Costs Allocated based on distribution of Budget Detail [Column (1)]								
	CLASS 307														
	Water														
1	Ammonia	300,000	0	300,000	98.0%	294,000	347,900	379,200	413,300	450,500	491,000	535,200	583,400	347,900	
2	Coagulants	3,050,000	0	3,050,000	98.0%	2,989,000	3,536,900	3,855,200	4,202,200	4,580,400	4,992,600	5,441,900	5,931,700	3,536,900	
3	Carbon	525,000	0	525,000	98.0%	514,500	608,800	663,600	723,300	788,400	859,400	936,700	1,021,000	608,800	
4	Fluoride	375,000	0	375,000	98.0%	367,500	434,900	474,000	516,700	563,200	613,900	669,200	729,400	434,900	
5	Lime	2,000,000	0	2,000,000	98.0%	1,960,000	2,319,300	2,528,000	2,755,500	3,003,500	3,273,800	3,568,400	3,889,600	2,319,300	
6	Sodium Chlorite	0	0	0	98.0%	0	0	0	0	0	0	0	0	0	
7	Chlorine	0	0	0	98.0%	0	0	0	0	0	0	0	0	0	
8	Sodium Hypochlorite (c)	3,000,000	0	3,000,000	98.0%	2,939,970	3,478,700	3,792,000	4,133,300	4,505,300	4,910,800	5,352,800	5,834,500	3,478,700	
9	Zinc Phosphate	800,000	0	800,000	98.0%	784,000	927,700	1,011,200	1,102,200	1,201,400	1,309,500	1,427,400	1,555,900	927,700	
10	Potassium Permanganate	1,750,000	0	1,750,000	98.0%	1,715,000	2,029,400	2,212,000	2,411,100	2,628,100	2,864,600	3,122,400	3,403,400	2,029,400	
11	Polymer. etc.	1,200,000	0	1,200,000	98.0%	1,176,000	1,391,600	1,516,800	1,653,300	1,802,100	1,964,300	2,141,100	2,333,800	1,391,600	
12	Various - Conveyance	42,000	0	42,000	98.0%	41,200	48,800	53,200	58,000	63,200	68,900	75,100	81,900	48,800	
13	Various - MM	35,500	0	35,500	98.0%	34,800	41,200	44,900	48,900	53,300	58,100	63,300	69,000	41,200	
14	Various - GS	390,000	0	390,000	98.0%	382,200	452,300	493,000	537,400	585,800	638,500	696,000	758,600	452,300	
15	Subtotal	13,467,500	0	13,467,500		13,198,170	15,617,500	17,023,100	18,555,200	20,225,200	22,045,400	24,029,500	26,192,200	15,617,500	NOT IN USE SEE OMone-12
	Sewer														
16	Polymer - SPDC/Biosolids	2,600,000	0	2,600,000	98.0%	2,548,000	3,015,100	3,286,500	3,582,300	3,904,700	4,256,100	4,639,100	5,056,600	3,015,100	
17	Chlorine	0	0	0	98.0%	0	0	0	0	0	0	0	0	0	Linked Data
18	Various (incl Sodium Hypochlorite) (b)	1,950,000	0	1,950,000	98.0%	1,911,000	2,261,300	2,464,800	2,686,600	2,928,400	3,192,000	3,479,300	3,792,400	2,261,300	Linked Data
19	Pot perm,ferric chlor/odor cntrl	2,704,000	0	2,704,000	98.0%	2,649,900	3,135,700	3,417,900	3,725,500	4,060,800	4,426,300	4,824,700	5,258,900	3,135,700	Linked Data
20	Various - COL, IW	30,000	0	30,000	98.0%	29,400	34,800	37,900	41,300	45,000	49,100	53,500	58,300	34,800	
21	Subtotal	7,284,000	0	7,284,000		7,138,300	8,446,900	9,207,100	10,035,700	10,938,900	11,923,500	12,996,600	14,166,200	8,446,900	NOT IN USE
22	Total Water & Sewer	20,751,500	0	20,751,500		20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400	SEE OMone-12
23	Projected Chemical Costs OMone-7	20,751,500				20,336,470	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400		

(a) Allocate total adjustments to categories based on column (1) chemical costs.

(b) Per ATB emails of 11/13/2003 and 11/10/2003, approximately $510,000 of sodium hypochlorite cost is billed directly to Bucks Co. for odor control. A 10 percent management fee is added to this total.

Retail Odor Control Central Schuylkill PS	0	510,000	Bucks County odor control

(c) Per ATB email of 11/10/2003, add differential between Bill Wankoff's estimates to our projections so that total equals Bill's projections. The split between plants will be checked in Somallo-11, 12, 13, and 14.

		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Test Year
Power	OMone-11									
Total Water		7,770,550	8,161,600	8,365,700	9,360,950	10,908,000	11,726,000	12,605,500	13,550,800	8,161,600
Total Sewer		11,157,900	11,719,400	12,012,300	13,441,100	15,662,400	16,837,100	18,099,800	19,457,400	11,719,400
Total Allocable		599,900	630,100	645,900	722,700	842,100	905,300	973,200	1,046,200	630,100
Chemicals	OMone-12									
Total Water		15,869,100	18,778,200	20,468,300	22,310,500	24,318,400	26,507,100	28,892,700	31,493,000	18,778,200
Total Sewer		4,467,370	5,286,200	5,761,900	6,280,400	6,845,700	7,461,800	8,133,400	8,865,400	5,286,200
Total Allocable		na	na	na	na	na	na	na	na	na

	FY 2008 Budget Budget $	Reference	FY 2008 Projected Projected $	Reference	Code
Water Department					
Operations	170,387,000	OMone-7	166,662,844	OMone-7	a
Human Resources	3,228,024	OMone-7	2,596,291	OMone-7	b
Finance and Administration (a)	195,389,467	OMone-7			c
Less: OC 801 - Excess Interest Earnings ("Scoop" payment	(4,994,000)	OMone-4			z
Less: OC 804 - Payment to Capital Fund (Cap. Acc't Deposit)	(17,788,000)	OMone-4			y
Less: OC 801 - Payments to General Fund (b)	(18,953,467)	OMone-4			x
Less: OC 805 - Payments to Residual Fund in Excess of "Scoop	(137,606,000)	OMone-4			w
Less: OC 500 - Contributions, Indemnities, Refunds and Taxes	(100,000)	OMone-7			j
Net Finance and Administration	15,948,000		13,608,440	OMone-7	
Planning & Engineering	23,931,545	OMone-7	21,618,715	OMone-7	d
Information Science & Technology	7,109,224	OMone-7	6,078,104	OMone-7	e
Customer Affairs	4,271,000	OMone-7	3,615,695	OMone-7	f
Total Water Department Less Payments to Other Funds	224,874,793		214,180,089		
Interdepartmental					
Water Department Class 801: Payments to General Fund (b)	18,953,467	OMone-4	18,953,000	OMone-9	x
Water Revenue Bureau	21,811,638	OMone-9	19,855,000	OMone-9	g
Law Department	3,118,975	OMone-9	2,768,000	OMone-9	h
Public Property	3,019,601	OMone-9	2,959,000	OMone-9	i
Indemnities (Including Water Dept Adm & Human Resources)	6,600,000	OMone-9	6,270,000	OMone-9	j
Total Interdepartmental	53,503,681		50,805,000		
Fringe Benefits	71,744,200	OMone-9	73,300,000	OMone-9	k
Total O&M (Subtotal Above)	350,122,674		338,285,089		
Debt Service	183,469,557	BD 19-1 page 85	175,071,000	Rreq-22	l
OC 805: Payment to the Residual Fund in Excess of "Scoop" Pm	137,606,000	OMone-4	137,606,000	OMone-4	w
OC 804: Payment to Capital Fund (Cap. Acc't Deposit)	17,788,000	OMone-4	17,788,000	Rreq-22	y
OC 801: Excess Interest Earnings "(Scoop" paymen to the General Fund)	4,994,000	OMone-4	2,355,000	Rreq-22	z
Total Appropriations To Be Made from the Water Fund	693,980,231		671,105,089		
O&M Recap					
Total O&M (Above)	350,122,674		338,285,089		
Less: Liquidated Encumbrances - Water	(5,200,000)	Rreq-6	(5,200,000)	Rreq-6	
Less: Liquidated Encumbrances - Sewer	(7,800,000)	Rreq-6	(7,800,000)	Rreq-6	
Net O&M	337,122,674		325,285,089		

Code	**Mayor's Budget**	2008 Budget $		
	Appropriations from the WATER FUND to the			
c	Mayor's Office of Information Service	2,658,206	BD 19-2, page 83	
c	Managing Director-Office of Fleet Managemen	7,782,326	BD 19-2, page 84	
i	Department of Public Property	3,019,601	BD 19-2, page 84	
	Water Department			
	Human Resources			Total Water Department Less Payment to
b	Cl 500-Contributions, Indemnities, Refunds & Taxes	100,000	BD 19-1 page 9	Other Funds = $229,868,793
b	All Other Direct Costs	3,128,024	BD 19-1 page 9	$393,468,760-$100,000-$8,105,960
	Finance and Administration			-$17,788,000-$137,606,000
c	Payments to General Fund	8,105,964	BD 19-1 page 32	
c	Payment to Capital Fund	17,788,000	BD 19-1 page 32	
c	Payment to Residual Fund in Excess of "Scoop	137,606,000	BD 19-1 page 32	
c	Excess Interest Payment to General Fund	4,994,000	BD-19-1 page 34	
c	Other	16,048,000	BD-19-1 page 34	
	Total Finance and Administration	184,541,964	BD 19-1 page 19	(10,847,503)
d	Planning and Engineering	23,931,545	BD 19-1 page 35	
a	Operations	170,387,000	BD 19-1 page 45	
f	Public Affairs	4,271,000	BD 19-1 page 69	
e	Information Science & Technology	7,109,224	BD 19-1 page 77	
	Total Water Department	393,468,757		
c	Director of Finance and Administration	339,412	BD 19-2 page 84	406,971
k	Director of Finance and Administration-Fringe Benefit	71,744,200	BD 19-2 page 84	
j	Director of Finance and Administration-Indemnities	6,500,000	BD 19-2 page 84	
g	Department of Revenue	21,811,638	BD 19-2 page 85	
l	Department of Revenue-Sinking Fund Commission	183,469,557	BD 19-2 page 85	
h	Law Department	3,118,975	BD 19-2 page 85	
c	Procurement Department	67,559	BD 19-2 page 85	
	Total Budget Appropriations from the WATER FUND	693,980,231		
	Appropriations from the RESIDUAL FUND to the			
	Debt Service		BD 19-2page 85	
	Payments to Other Funds	23,994,000	BD 19-2page 85	
	Total Budget Appropriations from the RESIDUAL FUND	23,994,000		
	Total Mayor's Budget Appropriations	717,974,231		
c	TEST (Subtotal of line items coded as c	195,389,467		

(a) Includes:

Water Department Total Finance and Administration	184,541,964
Mayor's Budget: Managing Director-Office of Fleet Managemen	7,782,326
Mayor's Budget: Mayor's Office of Information Service	2,658,206
Mayor's Budget: Director of Finance and Administration	339,412
Mayor's Budget: Procurement Departmen	67,559
	195,389,467

(b) Includes:

Water Department Payments to General Fund	8,105,964
Mayor's Budget: Managing Director-Office of Fleet Managemen	7,782,326
Mayor's Budget: Mayor's Office of Information Service	2,658,206
Mayor's Budget: Director of Finance and Administration	339,412
Mayor's Budget: Procurement Departmen	67,559
	18,953,467

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "OMtwo" worksheet develops projected O&M expenses for each of the Water and Sewer utilities.

Range	Description	Page Number	Table	
OMTwoIN	Index	OMtwo-1		
POM1	Total Projected O&M Expense - Page 1	OMtwo-2		
POM2	Total Projected O&M Expense - Page 2	OMtwo-3		
TRANS	Transfers	OMtwo-4		
PCSUPPORT1	Allocation Percents for Support Costs	OMtwo-4a		
PCSUPPORT2	Allocation Percents for Support Costs	OMtwo-4b		
PCSUPPORT3	Allocation Percents for Support Costs	OMtwo-4c		
PWOM1	Projected Water O&M Expense - Page 1	OMtwo-5		
PWOM2	Projected Water O&M Expense - Page 2	OMtwo-6		
PSOM1	Projected Sewer O&M Expense - Page 1	OMtwo-7		
PSOM2	Projected Sewer O&M Expense - Page 2	OMtwo-8		
OP1001	Operations O&M Class 100 - Page1	OMtwo-9		
OP1002	Operations O&M Class 100 - Page2	OMtwo-10		
OP2001	Operations O&M Class 200 - Page 1	OMtwo-11		
OP2002	Operations O&M Class 200 - Page 2	OMtwo-12		
OP3001	Operations O&M Class 300 - Page 1	OMtwo-13		
OP3002	Operations O&M Class 300 - Page 2	OMtwo-14		
OP4001	Operations O&M Class 400 - Page 1	OMtwo-15		
OP4002	Operations O&M Class 400 - Page 2	OMtwo-16		
WATER_LE	Water Utility Liquidated Encumbrances	OMtwo-17		
SEWER_LE	Sewer Utility Liquidated Encumbrances	OMtwo-18		
WUTYOM	Summary of Water Utility Test Year O&M Expens	OMtwo-19		
PWOMT	Projected Water O&M Table	OMtwo-20	Tbls-2	
PSOMT	Projected Sewer O&M Table	OMtwo-21	Tbls-7	
PWSOMT	Projected Water & Sewer O&M Table	OMtwo-22		
OPBUD	Budget Year Operations Division Budget	OMtwo-23		NOT IN USE

Summary of Combined
O&M Expense Projections

Line No.		FY 2008 $ OMone-7	FY 2009 $ OMone-7	FY 2010 $ OMone-7	FY 2011 $ OMone-7	FY 2012 $ OMone-7	FY 2013 $ OMone-7	FY 2014 $ OMone-7	FY 2015 $ OMone-7	FY 2009 Test Year $	Water Allocation % Use %'s from FY 2004 Rate Study	Sewer Allocation %	Basis of Allocation	Previous Study W/S Split (Water)
	HUMAN RESOURCES													
1	Class 100	1,399,000	1,481,700	1,520,100	1,574,700	1,647,100	1,706,100	1,767,200	1,830,500	1,481,700	31.0%	69.0%	See JRM 4/21/92 memo. (BD-28d)	31.00% 31.69%
2	Class 200	1,125,000	1,230,400	1,267,300	1,305,300	1,344,500	1,384,800	1,426,300	1,469,100	1,230,400	31.0%	69.0%	See JRM 4/21/92 memo. (BD-28d)	31.00% 31.69%
3	Class 300	66,000	121,600	125,200	129,000	132,900	136,900	141,000	145,200	121,600	31.0%	69.0%	See JRM 4/21/92 memo. (BD-28d)	31.00% 31.69%
4	Class 400	6,000	5,600	5,800	6,000	6,200	6,400	6,600	6,800	5,600	31.0%	69.0%	See JRM 4/21/92 memo. (BD-28d)	31.00% 31.69%
5	Subtotal	2,596,000	2,839,300	2,918,400	3,015,000	3,130,700	3,234,200	3,341,100	3,451,600	2,839,300				
	FINANCE AND ADMINISTRATION													
6	Class 100	7,122,000	7,446,400	7,635,900	7,906,800	8,266,600	8,559,400	8,862,300	9,175,800	7,446,400	38.0%	62.0%	See JRM 4/21/92 memo. (BD-28d)	38.00% 38.00%
7	Class 200	5,480,000	5,511,300	5,444,900	5,608,200	5,776,400	5,949,700	6,128,200	6,312,000	5,511,300	38.0%	62.0%	See JRM 4/21/92 memo. (BD-28d)	38.00% 38.00%
8	Class 300	885,000	989,900	1,019,600	1,050,200	1,081,700	1,114,200	1,147,600	1,182,000	989,900	38.0%	62.0%	See JRM 4/21/92 memo. (BD-28d)	38.00% 38.00%
9	Class 400	122,000	480,800	495,200	510,100	525,400	541,200	557,400	574,100	480,800	38.0%	62.0%	See JRM 4/21/92 memo. (BD-28d)	38.00% 38.00%
10	Subtotal	13,609,000	14,428,400	14,595,600	15,075,300	15,650,100	16,164,500	16,695,500	17,243,900	14,428,400				
	PLANNING & ENGINEERING													
11	Class 100	8,831,000	9,754,900	10,003,200	10,358,100	10,829,400	11,213,000	11,609,900	12,020,500	9,754,900	35.5%	64.5%	OMtwo-4a	44.00% 31.88%
12	Class 200	10,986,000	14,835,900	14,354,000	14,784,600	15,228,100	15,684,900	16,155,400	16,640,100	14,835,900	39.9%	60.1%	OMtwo-4a	44.00% 31.88%
13	Class 300	1,016,000	1,143,100	1,177,400	1,212,700	1,249,100	1,286,600	1,325,200	1,365,000	1,143,100	40.0%	60.0%	OMtwo-4a	44.00% 31.88%
14	Class 400	786,000	1,120,800	1,154,400	1,189,000	1,224,700	1,261,400	1,299,200	1,338,200	1,120,800	40.0%	60.0%	OMtwo-4a	44.00% 31.88%
15	Subtotal	21,619,000	26,854,700	26,689,000	27,544,400	28,531,300	29,445,900	30,389,700	31,363,800	26,854,700				
	INFORMATION SCIENCE & TECHNOLOGY													
16	Class 100	3,297,000	3,586,900	3,678,400	3,809,200	3,982,700	4,124,000	4,270,200	4,421,500	3,586,900	51.6%	48.4%	OMtwo-4b	
17	Class 200	2,379,000	2,477,800	2,552,100	2,628,700	2,707,600	2,788,800	2,872,500	2,958,700	2,477,800	55.0%	45.0%	OMtwo-4b	
18	Class 300	209,000	209,800	216,100	222,600	229,300	236,200	243,300	250,600	209,800	55.0%	45.0%	OMtwo-4b	
19	Class 400	193,000	237,800	244,900	252,200	259,800	267,600	275,600	283,900	237,800	55.0%	45.0%	OMtwo-4b	
20	Subtotal	6,078,000	6,512,300	6,691,500	6,912,700	7,179,400	7,416,600	7,661,600	7,914,700	6,512,300				
	OPERATIONS (a)													
21	Class 100	66,967,000	69,774,200	71,538,000	74,063,600	77,420,700	80,149,800	82,972,900	85,893,300	69,774,200	40.58%	59.42%	OMtwo-10	
22	Class 200 - Power	19,528,000	20,511,100	21,023,900	23,524,750	27,412,500	29,468,400	31,678,500	34,054,400	20,511,100	41.33%	58.67%	OMone-11	
23	Class 200 - All Other	44,375,000	43,202,000	44,498,100	45,833,000	47,208,000	48,624,200	50,082,900	51,585,400	43,202,000	23.95%	76.05%	OMtwo-12	
24	Class 264 - Warranty Program	0	0	0	0	0	0	0	0	0	45.00%	55.00%		
25	Class 300 - Chemicals	20,336,000	24,064,400	26,230,200	28,590,900	31,164,100	33,968,900	37,026,100	40,358,400	24,064,400	42.29%	57.71%		
26	Class 300 - Other	14,253,000	15,874,100	16,350,300	16,840,800	17,346,000	17,866,400	18,402,400	18,954,500	15,874,100	42.29%	57.71%		
27	Class 400	1,203,000	1,389,300	1,431,000	1,473,900	1,518,100	1,563,600	1,610,500	1,658,800	1,389,300	39.11%	60.89%		
28	Subtotal	166,662,000	174,815,100	181,071,500	190,326,950	202,069,400	211,641,300	221,773,300	232,504,800	174,815,100				
	CUSTOMER AFFAIRS													
29	Class 100	1,442,000	1,639,500	1,682,600	1,743,800	1,824,700	1,890,900	1,959,400	2,030,400	1,639,500	50.0%	50.0%	Per J. Clare. See JRM 4/21/92 memo. (BD-28d)	50.00% 35.00%
30	Class 200	1,964,000	2,333,000	2,403,000	2,475,100	2,549,400	2,625,900	2,704,700	2,785,800	2,333,000	50.0%	50.0%	Per J. Clare. See JRM 4/21/92 memo. (BD-28d)	50.00% 35.00%
31	Class 300	199,000	204,200	210,300	216,600	223,100	229,800	236,700	243,800	204,200	50.0%	50.0%	Per J. Clare. See JRM 4/21/92 memo. (BD-28d)	50.00% 35.00%
32	Class 400	11,000	11,300	11,600	11,900	12,300	12,700	13,100	13,500	11,300	50.0%	50.0%	Per J. Clare. See JRM 4/21/92 memo. (BD-28d)	50.00% 35.00%
33	Subtotal	3,616,000	4,188,000	4,307,500	4,447,400	4,609,500	4,759,300	4,913,900	5,073,500	4,188,000				

(a) In the original model, operations was split between water and sewer based on OMtwo-23. This split, however, did not equal the split used in OMtwo-9 through OMtwo-16. The number from this page is passed to the cash flow and COS. The numbers from the other sheets are passed to allocations. In an effort to make these two figures equal, the water/sewer splits for the test year from OMtwo-9 through OMtwo-16 are now used in this sheet. Used the test year split from OMone-11 to split Class 200 - Power.

Summary of Combined
O&M Expense Projections

Line No.		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2009 Test Year	Water Allocation	Sewer Allocation	Basis of Allocation
		$	$	$	$	$	$	$	$	$	%	%	
		OMone-9	OMone-9	OMone-9	OMone-9	OMone-9	OMone-9	OMone-9	OMone-9		Use %'s from FY 2004 Rate Study		
	INTERDEPARTMENTAL												
34	Water Dept. (a)	18,953,000	20,580,900	20,992,500	21,622,300	22,487,200	23,161,800	23,856,700	24,572,400	20,580,900	36.00%	64.00%	OMtwo-4
35	WRB	19,855,000	20,302,700	20,818,300	21,442,900	22,184,500	22,850,100	23,535,600	24,241,700	20,302,700	34.80%	65.20%	OMtwo-4c
36	Law Department	2,768,000	2,989,100	3,056,600	3,148,200	3,265,900	3,363,800	3,464,700	3,568,700	2,989,100	37.00%	63.00%	Per J. Clare. See JRM 4/21/92 memo. (FY2001 Study, BD-28d)
37	Public Properties	2,959,000	3,541,600	3,647,800	3,757,200	3,869,900	3,986,000	4,105,600	4,228,800	3,541,600	36.00%	64.00%	OMtwo-4
38	Indemnities				Included as a separate line item below						na	na	na
39	Subtotal	44,535,000	47,414,300	48,515,200	49,970,600	51,807,500	53,361,700	54,962,600	56,611,600	47,414,300			
		52,991,000											
	FRINGE BENEFITS												
40	Human Resources	1,019,000	1,081,100	1,153,500	1,242,800	1,351,900	1,456,300	1,568,800	1,690,000	1,081,100	31.00%	69.00%	Same as Human Resources Class 100
41	Finance and Administration	5,185,000	5,433,400	5,794,500	6,240,100	6,785,000	7,306,400	7,867,500	8,471,700	5,433,400	38.00%	62.00%	Same as Finance and Administration Class 100
42	Planning & Engineering	6,430,000	7,117,800	7,591,000	8,174,700	8,888,500	9,571,500	10,306,700	11,098,100	7,117,800	35.50%	64.50%	Same as Planning & Engineering Class 100
43	Information Science & Tech.	2,401,000	2,617,200	2,791,400	3,006,300	3,268,900	3,520,300	3,790,900	4,082,200	2,617,200	51.60%	48.40%	Same as Information Science & Tech. Class 100
44	Operations	48,759,000	50,912,000	54,286,900	58,451,600	63,545,100	68,416,500	73,659,400	79,302,000	50,912,000	40.58%	59.42%	Same as Operations Class 100
45	Customer Affairs	1,050,000	1,196,300	1,276,800	1,376,200	1,497,700	1,614,100	1,739,500	1,874,600	1,196,300	50.00%	50.00%	Same as Customer Affairs Class 100
46	Dept. Of Revenue (WRB)	6,977,000	6,824,900	7,239,800	7,755,300	8,388,200	8,985,400	9,625,200	10,310,500	6,824,900	34.80%	65.20%	Same as Dept. Of Revenue (WRB)
47	Law Dept.	1,479,000	1,617,200	1,715,500	1,837,700	1,987,600	2,129,100	2,280,600	2,443,000	1,617,200	37.00%	63.00%	Same as Law Dept.
48	Subtotal	73,300,000	76,799,900	81,849,400	88,084,700	95,712,900	102,999,600	110,838,600	119,272,100	76,799,900			
49	INDEMNITIES	6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700	6,270,000	37.00%	63.00%	Same as Law Department
	TOTAL WATER DEPARTMENT												
50	Class 100	89,058,000	93,683,600	96,058,200	99,456,200	103,971,200	107,643,200	111,441,900	115,372,000	93,683,600			
51	Class 200	85,837,000	90,101,500	91,543,300	96,159,650	102,226,500	106,526,700	111,048,500	115,805,500	90,101,500			
52	Class 300	36,964,000	42,607,100	45,329,100	48,262,800	51,426,200	54,839,000	58,522,300	62,499,500	42,607,100			
53	Class 400	2,321,000	3,245,600	3,342,900	3,443,100	3,546,500	3,652,900	3,762,400	3,875,300	3,245,600			
54	Subtotal	214,180,000	229,637,800	236,273,500	247,321,750	261,170,400	272,661,800	284,775,100	297,552,300	229,637,800			
55	Fringe Benefits	73,300,000	76,799,900	81,849,400	88,084,700	95,712,900	102,999,600	110,838,600	119,272,100	76,799,900			
56	Indemnities	6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700	6,270,000			
57	Interdepartmental	44,535,000	47,414,300	48,515,200	49,970,600	51,807,500	53,361,700	54,962,600	56,611,600	47,414,300			
58	Total O&M Expense	338,285,000	360,122,000	373,096,200	392,028,850	415,542,200	436,080,000	457,844,900	480,922,700	360,122,000			
	CASH FLOW FIGURES												
	O&M Expense												
59	Class 100 - 400	214,180,000	229,637,800	236,273,500	247,321,750	261,170,400	272,661,800	284,775,100	297,552,300	229,637,800			
60	Water Dept Fringe Benefits	64,844,000	68,357,800	72,894,100	78,491,700	85,337,100	91,885,100	98,932,800	106,518,600	68,357,800			
61	Indemnities	6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700	6,270,000			
	Interdepartmental Expense												
62	Interdepartmental	44,535,000	47,414,300	48,515,200	49,970,600	51,807,500	53,361,700	54,962,600	56,611,600	47,414,300			
63	WRB and Law Fringe Benefits	8,456,000	8,442,100	8,955,300	9,593,000	10,375,800	11,114,500	11,905,800	12,753,500	8,442,100			
64	Total	338,285,000	360,122,000	373,096,200	392,028,850	415,542,200	436,080,000	457,844,900	480,922,700	360,122,000			

(a) Transfer to General Fund.

WATER DEPT. TRANSFERS TO GENERAL FUND:

Item	% Water	% Sewer	% Total	Reference	Budget Year 2008 Levels Water	Sewer	Total	Budget FY 2009	
	Use %'s from FY 2004 Rate Study						BD 19-1 & BD 19-2		
Office of Fleet Mgmt	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	2,929,984	5,208,860	8,138,844	**8,759,080**	
Mayor's Off. of Info. Svcs.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	680,592	1,209,942	1,890,534	**1,832,715**	
Managing Dir. Office	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	117,879	209,564	327,443	**260,037**	
Streets Dept.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	928,354	1,650,408	2,578,762	**2,921,849**	
Public Property	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	40,793	72,522	113,315	**11,194**	
Licenses and Inspections	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	9,866	17,540	27,406	**42,851**	
Records Dept.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	(11,421)	(20,305)	(31,726)	**1,881**	
Director of Finance and Adminis	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	1,022,196	1,817,238	2,839,434	**1,851,406**	
Revenue Dept.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	325,083	577,926	903,009	**856,116**	
Procurement Dept.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	310,506	552,011	862,517	**2,252,084**	
City Treasurer	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	39,756	70,676	110,432	**191,492**	
Civil Service Commission	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	6,485	11,529	18,014	**28,348**	
Personnel Dept.	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	222,719	395,945	618,664	**885,991**	
Auditing Dept/Controller/Labor	36.0%	64.0%	100.0%	FY2001 Rate Study, BD-27	200,455	356,364	556,819	**685,810**	Includes Human Services
Total General Fund Transfe					6,823,248	12,130,219	18,953,467	20,580,854	
% Split to use for Water Dept. Transfers to General Fun					36.00%	64.00%	100.00%		

	Sewer
Total Sewer Streets Payment to General Fund	$1,650,408
Total Sewer Payment to General Fund	$12,130,219
Percent Sewer Streets Dept. of	
Total Sewer Payment to General Fund	**13.6%**

PUBLIC PROPERTY DISTRIBUTION:

Item	% Water	% Sewer	% Total	Reference	Total	Estimated Budget Year FY 2008 Levels Water	Sewer	Total	
	Use %'s from FY2004 Rate Study								
Gasoline	35.0%	65.00%	100.00%	FY2001 Rate Study, BD-27	0	0	0	0	May no longer be necessary. Gas is included in Fleet Management allocation
Rents & Other									
WRB (101 N Broad)	36.0%	64.00%	100.00%	FY2001 Rate Study, BD-27	0	0	0	0	WRB Rent no longer included in Public Property allocation to Water Fund
All Other (See B-10B for calc of % Split)	36.0%	64.00%	100.00%	FY2001 Rate Study, BD-27	100	1,065,240	1,893,760	2,959,000	
Total Public Property Transfer					100	1,065,240	1,893,760	2,959,000	<<This is picking up FY 2008 from OMtwo-3.
% Split to use for Water Dept. Public Properties					100.00%	36.00%	64.00%	100.00%	

Bases for Allocating Planning & Engineering to Water, Wastewater, and Stormwater, as Applicable

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				FY 2008 Budget (BD 19-1)			FY 2008	Adj. to FY 2008	FY 2008	FY 2008 Planning & Engineering Allocation Percentages			
	Water	Wastewater	Stormwater	Page Number	Amount	Budget	Estimated	Budgeted	Base	Water	Wastewater	Stormwater	Total
	%	%	%		$	Factor	O&M	O&M	O&M	$	$	$	$
	Use percentages from FY2004 Rate Study					$	$	$	$	(9) * (1)	(9) * (2)	(9) * (3)	
Planning & Engineering						OMone-7		OMone-7					
Class 100 - Office of Watersheds	15	85			1,697,476	93.0%	1,578,700	0	1,578,700	236,800	1,341,900	0	1,578,700
Class 100 - All Other	40	60			7,798,524	93.0%	7,252,600	0	7,252,600	2,901,000	4,351,600	0	7,252,600
Total Class 100					9,496,000		8,831,300	0	8,831,300	3,137,800	5,693,500	0	8,831,300
										35.5%	**64.5%**	**0.0%**	**100.0%**
Class 250 - Service Fee for Cogen. Facilities (a)													
NE		100			14,400	90.0%	13,000	0	13,000	0	13,000	0	13,000
SW		100			9,900	90.0%	8,900	0	8,900	0	8,900	0	8,900
SE		100			5,700	90.0%	5,100	0	5,100	0	5,100	0	5,100
Total Cogeneration Expense					30,000	90.0%	27,000	0	27,000	0	27,000	0	27,000
Class 251 - CSO Compliance Program		100			0	90.0%	0	0	0	0	0	0	0
Class 200 - All Other	40	60			12,176,345	90.0%	10,958,700	0	10,958,700	4,383,500	6,575,200	0	10,958,700
Total Class 200					12,206,345		10,985,700	0	10,985,700	4,383,500	6,602,200	0	10,985,700
										39.9%	**60.1%**	**0.0%**	**100.0%**
Class 300	40	60			1,194,800	85.0%	1,015,600	0	1,015,600	406,200	609,400	0	1,015,600
										40.0%	**60.0%**	**0.0%**	**100.0%**
Class 400	40	60			1,034,400	76.0%	786,100	0	786,100	314,400	471,700	0	786,100
										40.0%	**60.0%**	**0.0%**	**100.0%**
Total Planning & Engineering					23,931,545		21,618,700	0	21,618,700	8,241,900	13,376,800	0	21,618,700

(a) Distribution of Service Fee for Cogeneration Facilities expense: Allocate this expense between NE and SW on the basis of total energy expense at these two plants. Because the energy use at the SW plant is dependent on the digester loading from the SW and SE plants, allocate the SW portion between SW and SE plants based on the relative digester loading at SW from the SW and SE plants.

	Bases for Prorating Service Fee for Cogeneration Facilities Expense			Bases for Prorating Service Fee for Cogeneration Facilities Expense (Operations)		
	Energy Expense	Estimated *Relative* Digester Loadings at SW	Prorated Expense	Energy Expense	Estimated *Relative* Digester Loadings at SW	Prorated Expense
	$	%	$	$	%	$
		SCOS08.xls				
	BD 19-1, pg 63	Somallo-22				
NE	3,600,000		14,400	3,600,000		0
SW	3,900,000			3,900,000		
SW		35.81%	9,900		35.81%	0
SE		16.22%	5,700		16.22%	1
Total Expense			30,000			1

	FY 2009 Test Year Allocated Planning & Engineering Costs (Excluding Class 500)			
	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Planning & Engineering				
Class 100 - Office of Watersheds	261,300	1,482,900	0	1,744,200
Class 100 - All Other	3,201,700	4,809,000	0	8,010,700
Total Class 100	3,463,000	6,291,900	0	9,754,900
	35.5%	64.5%	0.0%	100.0%
Class 250 - Service Fee for Cogen. Facilities **MOVED TO OPERATIONS IN FY04**				
NE	0	17,600	0	17,600
SW	0	12,000	0	12,000
SE	0	6,900	0	6,900
Total Cogeneration Expense	0	36,500	0	36,500
Class 251 - CSO Compliance Program	0	0	0	0
Class 200 - All Other	5,919,500	8,879,900	0	14,799,400
Total Class 200	5,919,500	8,916,400	0	14,835,900
	0.0%	100.0%	0.0%	100.0%
Class 300	457,200	685,900	0	1,143,100
	40.0%	60.0%	0.0%	100.0%
Class 400	448,300	672,500	0	1,120,800
	40.0%	60.0%	0.0%	100.0%
Total Planning & Engineering	10,288,000	16,566,700	0	26,854,700

Bases for Allocating Information Science & Technology to Water, Wastewater, and Stormwater, as Applicable

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				FY 2008 Budget (BD 19-1)			FY 2008 Estimated	Adj. to FY 2008 Budgeted	FY 2008 Base	FY 2008 Information Science & Technology Allocation Percentages			
	Water	Wastewater	Stormwater	Page Number	Amount	Budget Factor	O&M	O&M	O&M	Water	Wastewater	Stormwater	Total
	%	%	%		$	$	$	$	$	$	$	$	$
	Use percentages from FY2004 Rate Study									(9) * (1)	(9) * (2)	(9) * (3)	
Information Science & Technology						OMone-7		OMone-7					
Class 100 - CBIS	33.30	33.40	33.30		1,213,791	92.0%	1,116,700	0	1,116,700	371,900	373,000	371,900	1,116,800
Class 100 - All Other	61	39			2,370,209	92.0%	2,180,580	0	2,180,580	1,330,200	850,400	0	2,180,600
Total Class 100					3,584,000		3,297,280	0	3,297,280	1,702,100	1,223,400	371,900	3,297,400
										51.6%	**37.1%**	**11.3%**	**100.0%**
Class 200	55	45			2,973,724	80.0%	2,379,000	0	2,379,000	1,308,500	1,070,600	0	2,379,100
										55.0%	**45.0%**	**0.0%**	**100.0%**
Class 300	55	45			294,500	71.0%	209,100	0	209,100	115,000	94,100	0	209,100
										55.0%	**45.0%**	**0.0%**	**100.0%**
Class 400	55	45			257,000	75.0%	192,800	0	192,800	106,000	86,800	0	192,800
										55.0%	**45.0%**	**0.0%**	**100.0%**
Total Information Science & Technology					7,109,224		6,078,180	0	6,078,180	3,231,600	2,474,900	371,900	6,078,400

FY 2009 Test Year Allocated Information Science & Technology Costs (Excluding Class 500)

	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Information Science & Technology				
Class 100 - CBIS	404,400	405,900	404,700	1,215,000
Class 100 - All Other	1,446,400	925,400	0	2,371,800
Total Class 100	1,850,800	1,331,300	404,700	3,586,800
	51.6%	37.1%	11.3%	100.0%
Class 200	1,362,800	1,115,000	0	2,477,800
	55.0%	45.0%	0.0%	100.0%
Class 300	115,400	94,400	0	209,800
	55.0%	45.0%	0.0%	100.0%
Class 400	130,800	107,000	0	237,800
	55.0%	45.0%	0.0%	100.0%
Total Information Science & Technology	3,459,800	2,647,700	404,700	6,512,300

Bases for Allocating Water Revenue Bureau to Water, Wastewater, and Stormwater, as Applicable

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				FY 2008 Estimate		Budget	FY 2008 Estimated	Adj. to FY 2008 Budgeted	FY 2008 Base	FY 2008 Water Revenue Bureau Allocation Percentages			
	Water	Wastewater	Stormwater		Amount	Factor	O&M	O&M	O&M	Water	Wastewater	Stormwater	Total
	%	%	%		$	$	$	$	$	$	$	$	$
	Use percentages from FY2004 Rate Study				BD 19-1					(9) * (1)	(9) * (2)	(9) * (3)	
Water Revenue Bureau						OMone-9							
Meter Reading (a)	50	50			1,963,000	91.0%	1,786,900		1,786,900	893,500	893,500	0	1,787,000
All Other	33.3	33.4	33.3		19,848,638	91.0%	18,068,100		18,068,100	6,016,700	6,034,700	6,016,700	18,068,100
Total Water Revenue Bureau					21,811,638		19,855,000		19,855,000	6,910,200	6,928,200	6,016,700	19,855,100
										34.8%	**34.9%**	**30.3%**	**100.0%**

(a) Includes Class 100 (13 meter readers), Class 211 (transportation), Class 260 (repairs, etc.), Class 285 (rents), Class 308 (dry goods), and Class 323 (plumbing).

100		445,549	445,549
211		25,000	25,000
260	28,000	113,000	141,000
308		12,000	12,000
323		10,000	10,000
Total	28,000	605,549	633,549

FY 2009 Test Year Allocated Water Revenue Bureau Costs (Excluding Class 500)

	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Water Revenue Bureau				
Meter Reading	913,600	913,700	0	1,827,300
All Other	6,151,700	6,171,000	6,152,600	18,475,300
Total Water Revenue Bureau	7,065,300	7,084,700	6,152,600	20,302,600

Summary of Water Utility
O & M Expense Projections

Line No.		(1) FY 2008 $ OMtwo-2	(2) FY 2009 $ OMtwo-2	(3) FY 2010 $ OMtwo-2	(4) FY 2011 $ OMtwo-2	(5) FY 2012 $ OMtwo-2	(6) FY 2013 $ OMtwo-2	(7) FY 2014 $ OMtwo-2	(8) FY 2015 $ OMtwo-2	(9) FY 2009 Test Year $	
	HUMAN RESOURCES										
1	Class 100	433,690	459,327	471,231	488,157	510,601	528,891	547,832	567,455	459,327	
2	Class 200	348,750	381,424	392,863	404,643	416,795	429,288	442,153	455,421	381,424	
3	Class 300	20,460	37,696	38,812	39,990	41,199	42,439	43,710	45,012	37,696	
4	Class 400	1,860	1,736	1,798	1,860	1,922	1,984	2,046	2,108	1,736	
5	Subtotal	804,760	880,183	904,704	934,650	970,517	1,002,602	1,035,741	1,069,996	880,183	
	FINANCE AND ADMINISTRATION										
6	Class 100	2,706,360	2,829,632	2,901,642	3,004,584	3,141,308	3,252,572	3,367,674	3,486,804	2,829,632	
7	Class 200	2,082,400	2,094,294	2,069,062	2,131,116	2,195,032	2,260,886	2,328,716	2,398,560	2,094,294	
8	Class 300	336,300	376,162	387,448	399,076	411,046	423,396	436,088	449,160	376,162	
9	Class 400	46,360	182,704	188,176	193,838	199,652	205,656	211,812	218,158	182,704	
10	Subtotal	5,171,420	5,482,792	5,546,328	5,728,614	5,947,038	6,142,510	6,344,290	6,552,682	5,482,792	
	PLANNING & ENGINEERING										
11	Class 100	3,135,005	3,462,990	3,551,136	3,677,126	3,844,437	3,980,615	4,121,515	4,267,278	3,462,990	
12	Class 200	4,383,414	5,919,524	5,727,246	5,899,055	6,076,012	6,258,275	6,446,005	6,639,400	5,919,524	
13	Class 300	406,400	457,240	470,960	485,080	499,640	514,640	530,080	546,000	457,240	
14	Class 400	314,400	448,320	461,760	475,600	489,880	504,560	519,680	535,280	448,320	
15	Subtotal	8,239,219	10,288,074	10,211,102	10,536,861	10,909,969	11,258,090	11,617,280	11,987,958	10,288,074	
	INFORMATION SCIENCE & TECHNOLOGY										
16	Class 100	1,701,252	1,850,840	1,898,054	1,965,547	2,055,073	2,127,984	2,203,423	2,281,494	1,850,840	
17	Class 200	1,308,450	1,362,790	1,403,655	1,445,785	1,489,180	1,533,840	1,579,875	1,627,285	1,362,790	
18	Class 300	114,950	115,390	118,855	122,430	126,115	129,910	133,815	137,830	115,390	
19	Class 400	106,150	130,790	134,695	138,710	142,890	147,180	151,580	156,145	130,790	
20	Subtotal	3,230,802	3,459,810	3,555,259	3,672,472	3,813,258	3,938,914	4,068,693	4,202,754	3,459,810	
	OPERATIONS										
21	Class 100	27,173,000	28,313,200	29,029,000	30,053,838	31,414,700	32,521,800	33,667,900	34,854,300	28,313,200	
22	Class 200 - Power	8,070,500	8,476,700	8,688,700	9,722,300	11,329,100	12,178,700	13,092,100	14,073,900	8,476,700	OMone-11
23	Class 200 - All Other	10,627,000	10,345,800	10,657,100	10,979,000	11,308,000	11,608,200	11,955,976	12,314,400	10,345,800	
24	Class 264 - Warranty Program	0	0	0	0	0	0	0	0	0	
25	Class 300 - Chemicals	15,869,100	18,778,200	20,468,300	22,310,500	24,318,400	26,507,100	28,892,700	31,493,000	18,778,200	OMone-12
26	Class 300 - All Other	6,027,400	6,713,100	6,913,800	7,122,800	7,336,000	7,555,400	7,784,400	8,017,500	6,713,100	
27	Class 400	471,000	543,300	560,000	576,900	594,100	612,600	629,500	649,800	543,300	
28	Subtotal	68,238,000	73,170,300	76,316,900	80,765,338	86,300,300	90,983,800	96,022,576	101,402,900	73,170,300	
	CUSTOMER AFFAIRS										
29	Class 100	721,000	819,750	841,300	871,900	912,350	945,450	979,700	1,015,200	819,750	
30	Class 200	982,000	1,166,500	1,201,500	1,237,550	1,274,700	1,312,950	1,352,350	1,392,900	1,166,500	
31	Class 300	99,500	102,100	105,150	108,300	111,550	114,900	118,350	121,900	102,100	
32	Class 400	5,500	5,650	5,800	5,950	6,150	6,350	6,550	6,750	5,650	
33	Subtotal	1,808,000	2,094,000	2,153,750	2,223,700	2,304,750	2,379,650	2,456,950	2,536,750	2,094,000	

Summary of Water Utility
O & M Expense Projections

Line No.		(1) FY 2008 $ OMtwo-3	(2) FY 2009 $ OMtwo-3	(3) FY 2010 $ OMtwo-3	(4) FY 2011 $ OMtwo-3	(5) FY 2012 $ OMtwo-3	(6) FY 2013 $ OMtwo-3	(7) FY 2014 $ OMtwo-3	(8) FY 2015 $ OMtwo-3	(9) FY 2009 Test Year $
	INTERDEPARTMENTAL									
34	Water Dept. (a)	6,823,080	7,409,124	7,557,300	7,784,028	8,095,392	8,338,248	8,588,412	8,846,064	7,409,124
35	WRB	6,909,540	7,065,340	7,244,768	7,462,129	7,720,206	7,951,835	8,190,389	8,436,112	7,065,340
36	Law Department	1,024,160	1,105,967	1,130,942	1,164,834	1,208,383	1,244,606	1,281,939	1,320,419	1,105,967
37	Public Properties	1,065,240	1,274,976	1,313,208	1,352,592	1,393,164	1,434,960	1,478,016	1,522,368	1,274,976
38	Indemnities	0	0	0	0	0	0	0	0	0
39	Subtotal	15,822,020	16,855,407	17,246,218	17,763,583	18,417,145	18,969,649	19,538,756	20,124,963	16,855,407
	FRINGE BENEFITS									
40	Human Resources	315,890	335,141	357,585	385,268	419,089	451,453	486,328	523,900	335,141
41	Finance and Administration	1,970,300	2,064,692	2,201,910	2,371,238	2,578,300	2,776,432	2,989,650	3,219,246	2,064,692
42	Planning & Engineering	2,282,650	2,526,819	2,694,805	2,902,019	3,155,418	3,397,883	3,658,879	3,939,826	2,526,819
43	Information Science & Tech.	1,238,916	1,350,475	1,440,362	1,551,251	1,686,752	1,816,475	1,956,104	2,106,415	1,350,475
44	Operations	19,784,794	20,659,236	22,028,774	23,718,735	25,784,451	27,760,864	29,888,763	32,179,643	20,659,236
45	Customer Affairs	525,000	598,150	638,400	688,100	748,850	807,050	869,750	937,300	598,150
46	Dept. Of Revenue (WRB)	2,427,996	2,375,065	2,519,450	2,698,844	2,919,094	3,126,919	3,349,570	3,588,054	2,375,065
47	Law Dept.	547,230	598,364	634,735	679,949	735,412	787,767	843,822	903,910	598,364
48	Subtotal	29,092,776	30,507,942	32,516,021	34,995,404	38,027,366	40,924,843	44,042,866	47,398,294	30,507,942
49	INDEMNITIES	2,319,900	2,319,900	2,389,497	2,461,166	2,535,018	2,611,053	2,689,382	2,770,079	2,319,900
	TOTAL WATER UTILITY									
50	Class 100	35,870,307	37,735,739	38,692,363	40,061,152	41,878,469	43,357,312	44,888,044	46,472,531	37,735,739
51	Class 200	27,802,514	29,747,032	30,140,126	31,819,449	34,088,819	35,582,139	37,197,175	38,901,866	29,747,032
52	Class 300	22,874,110	26,579,888	28,503,325	30,588,176	32,843,950	35,287,785	37,939,143	40,810,402	26,579,888
53	Class 400	945,270	1,312,500	1,352,229	1,392,858	1,434,594	1,478,330	1,521,168	1,568,241	1,312,500
54	Subtotal	87,492,201	95,375,159	98,688,043	103,861,635	110,245,832	115,705,566	121,545,530	127,753,040	95,375,159
55	Fringe Benefits	29,092,776	30,507,942	32,516,021	34,995,404	38,027,366	40,924,843	44,042,866	47,398,294	30,507,942
56	Indemnities	2,319,900	2,319,900	2,389,497	2,461,166	2,535,018	2,611,053	2,689,382	2,770,079	2,319,900
57	Interdepartmental	15,822,020	16,855,407	17,246,218	17,763,583	18,417,145	18,969,649	19,538,756	20,124,963	16,855,407
58	Total O&M Expense	134,726,897	145,058,408	150,839,779	159,081,788	169,225,361	178,211,111	187,816,534	198,046,376	145,058,408

(a) Transfers to General Fund.

Summary of Sewer Utility
O & M Expense Projections

Line No.		(1) FY 2008 $	(2) FY 2009 $	(3) FY 2010 $	(4) FY 2011 $	(5) FY 2012 $	(6) FY 2013 $	(7) FY 2014 $	(8) FY 2015 $	(9) FY 2009 Test Year $
						OMtwo-2 less OMtwo-5				
	HUMAN RESOURCES									
1	Class 100	965,310	1,022,373	1,048,869	1,086,543	1,136,499	1,177,209	1,219,368	1,263,045	1,022,373
2	Class 200	776,250	848,976	874,437	900,657	927,705	955,512	984,147	1,013,679	848,976
3	Class 300	45,540	83,904	86,388	89,010	91,701	94,461	97,290	100,188	83,904
4	Class 400	4,140	3,864	4,002	4,140	4,278	4,416	4,554	4,692	3,864
5	Subtotal	1,791,240	1,959,117	2,013,696	2,080,350	2,160,183	2,231,598	2,305,359	2,381,604	1,959,117
	FINANCE AND ADMINISTRATION									
6	Class 100	4,415,640	4,616,768	4,734,258	4,902,216	5,125,292	5,306,828	5,494,626	5,688,996	4,616,768
7	Class 200	3,397,600	3,417,006	3,375,838	3,477,084	3,581,368	3,688,814	3,799,484	3,913,440	3,417,006
8	Class 300	548,700	613,738	632,152	651,124	670,654	690,804	711,512	732,840	613,738
9	Class 400	75,640	298,096	307,024	316,262	325,748	335,544	345,588	355,942	298,096
10	Subtotal	8,437,580	8,945,608	9,049,272	9,346,686	9,703,062	10,021,990	10,351,210	10,691,218	8,945,608
	PLANNING & ENGINEERING									
11	Class 100	5,695,995	6,291,910	6,452,064	6,680,974	6,984,963	7,232,385	7,488,385	7,753,222	6,291,910
12	Class 200	6,602,586	8,916,376	8,626,754	8,885,545	9,152,088	9,426,625	9,709,395	10,000,700	8,916,376
13	Class 300	609,600	685,860	706,440	727,620	749,460	771,960	795,120	819,000	685,860
14	Class 400	471,600	672,480	692,640	713,400	734,820	756,840	779,520	802,920	672,480
15	Subtotal	13,379,781	16,566,626	16,477,898	17,007,539	17,621,331	18,187,810	18,772,420	19,375,842	16,566,626
	INFORMATION SCIENCE & TECHNOLOGY									
16	Class 100	1,595,748	1,736,060	1,780,346	1,843,653	1,927,627	1,996,016	2,066,777	2,140,006	1,736,060
17	Class 200	1,070,550	1,115,010	1,148,445	1,182,915	1,218,420	1,254,960	1,292,625	1,331,415	1,115,010
18	Class 300	94,050	94,410	97,245	100,170	103,185	106,290	109,485	112,770	94,410
19	Class 400	86,850	107,010	110,205	113,490	116,910	120,420	124,020	127,755	107,010
20	Subtotal	2,847,198	3,052,490	3,136,241	3,240,228	3,366,142	3,477,686	3,592,907	3,711,946	3,052,490
	OPERATIONS									
21	Class 100	39,794,000	41,461,000	42,509,000	44,009,762	46,006,000	47,628,000	49,305,000	51,039,000	41,461,000
22	Class 200 - Power	11,457,500	12,034,400	12,335,200	13,802,450	16,083,400	17,289,700	18,586,400	19,980,500	12,034,400
23	Class 200 - All Other	33,748,000	32,856,200	33,841,000	34,854,000	35,900,000	37,016,000	38,126,924	39,271,000	32,856,200
24	Class 264 - Warranty Program	0	0	0	0	0	0	0	0	0
25	Class 300 - Chemicals	4,466,900	5,286,200	5,761,900	6,280,400	6,845,700	7,461,800	8,133,400	8,865,400	5,286,200
26	Class 300 - All Other	8,225,600	9,161,000	9,436,500	9,718,000	10,010,000	10,311,000	10,618,000	10,937,000	9,161,000
27	Class 400	732,000	846,000	871,000	897,000	924,000	951,000	981,000	1,009,000	846,000
28	Subtotal	98,424,000	101,644,800	104,754,600	109,561,612	115,769,100	120,657,500	125,750,724	131,101,900	101,644,800
	CUSTOMER AFFAIRS									
29	Class 100	721,000	819,750	841,300	871,900	912,350	945,450	979,700	1,015,200	819,750
30	Class 200	982,000	1,166,500	1,201,500	1,237,550	1,274,700	1,312,950	1,352,350	1,392,900	1,166,500
31	Class 300	99,500	102,100	105,150	108,300	111,550	114,900	118,350	121,900	102,100
32	Class 400	5,500	5,650	5,800	5,950	6,150	6,350	6,550	6,750	5,650
33	Subtotal	1,808,000	2,094,000	2,153,750	2,223,700	2,304,750	2,379,650	2,456,950	2,536,750	2,094,000

Summary of Sewer Utility
O & M Expense Projections

Line No.		(1) FY 2008 $	(2) FY 2009 $	(3) FY 2010 $	(4) FY 2011 $	(5) FY 2012 $	(6) FY 2013 $	(7) FY 2014 $	(8) FY 2015 $	(9) FY 2009 Test Year $
						OMtwo-3 less OMtwo-6				
	INTERDEPARTMENTAL									
34	Water Dept. (a)	12,129,920	13,171,776	13,435,200	13,838,272	14,391,808	14,823,552	15,268,288	15,726,336	13,171,776
35	WRB	12,945,460	13,237,360	13,573,532	13,980,771	14,464,294	14,898,265	15,345,211	15,805,588	13,237,360
36	Law Department	1,743,840	1,883,133	1,925,658	1,983,366	2,057,517	2,119,194	2,182,761	2,248,281	1,883,133
37	Public Properties	1,893,760	2,266,624	2,334,592	2,404,608	2,476,736	2,551,040	2,627,584	2,706,432	2,266,624
38	Indemnities	0	0	0	0	0	0	0	0	0
39	Subtotal	28,712,980	30,558,893	31,268,982	32,207,017	33,390,355	34,392,051	35,423,844	36,486,637	30,558,893
	FRINGE BENEFITS									
40	Human Resources	703,110	745,959	795,915	857,532	932,811	1,004,847	1,082,472	1,166,100	745,959
41	Finance and Administration	3,214,700	3,368,708	3,592,590	3,868,862	4,206,700	4,529,968	4,877,850	5,252,454	3,368,708
42	Planning & Engineering	4,147,350	4,590,981	4,896,195	5,272,681	5,733,082	6,173,617	6,647,821	7,158,274	4,590,981
43	Information Science & Tech.	1,162,084	1,266,725	1,351,038	1,455,049	1,582,148	1,703,825	1,834,796	1,975,785	1,266,725
44	Operations	28,974,206	30,252,764	32,258,126	34,732,865	37,760,649	40,655,636	43,770,637	47,122,357	30,252,764
45	Customer Affairs	525,000	598,150	638,400	688,100	748,850	807,050	869,750	937,300	598,150
46	Dept. Of Revenue (WRB)	4,549,004	4,449,835	4,720,350	5,056,456	5,469,106	5,858,481	6,275,630	6,722,446	4,449,835
47	Law Dept.	931,770	1,018,836	1,080,765	1,157,751	1,252,188	1,341,333	1,436,778	1,539,090	1,018,836
48	Subtotal	44,207,224	46,291,958	49,333,379	53,089,296	57,685,534	62,074,757	66,795,734	71,873,806	46,291,958
49	INDEMNITIES	3,950,100	3,950,100	4,068,603	4,190,634	4,316,382	4,445,847	4,579,218	4,716,621	3,950,100
	TOTAL SEWER UTILITY									
50	Class 100	53,187,693	55,947,861	57,365,837	59,395,048	62,092,731	64,285,888	66,553,856	68,899,469	55,947,861
51	Class 200	58,034,486	60,354,468	61,403,174	64,340,201	68,137,681	70,944,561	73,851,325	76,903,634	60,354,468
52	Class 300	14,089,890	16,027,212	16,825,775	17,674,624	18,582,250	19,551,215	20,583,157	21,689,098	16,027,212
53	Class 400	1,375,730	1,933,100	1,990,671	2,050,242	2,111,906	2,174,570	2,241,232	2,307,059	1,933,100
54	Subtotal	126,687,799	134,262,641	137,585,457	143,460,115	150,924,568	156,956,234	163,229,570	169,799,260	134,262,641
55	Fringe Benefits	44,207,224	46,291,958	49,333,379	53,089,296	57,685,534	62,074,757	66,795,734	71,873,806	46,291,958
56	Indemnities	3,950,100	3,950,100	4,068,603	4,190,634	4,316,382	4,445,847	4,579,218	4,716,621	3,950,100
57	Interdepartmental	28,712,980	30,558,893	31,268,982	32,207,017	33,390,355	34,392,051	35,423,844	36,486,637	30,558,893
58	Total O&M Expense	203,558,103	215,063,592	222,256,421	232,947,062	246,316,839	257,868,889	270,028,366	282,876,324	215,063,592

(a) Transfers to General Fund.

Line No.		(1) FY 2008 Budgeted O&M $ BD 20-1	(2) Estimated FY 2008 Operating Expenditures Total (a) $	(3) Water $	(4) Sewer $	(5) Estimated FY 2009 Operating Expenditures Total (a) $	(6) Water $	(7) Sewer $	(8) Estimated FY 2010 Operating Expenditures Total (a) $	(9) Water $	(10) Sewer $	(11) Estimated FY 2011 Operating Expenditures Total (a) $	(12) Water $	(13) Sewer $	(14) Estimated FY 2012 Operating Expenditures Total (a) $	(15) Water $	(16) Sewer $
	OPERATIONS DIVISION - Class 100																
	DIRECT COSTS																
1	Baxter Treatment Plant	2,888,257	2,767,000	2,767,000		2,884,200	2,884,200		2,957,000	2,957,000		3,060,000	3,060,000		3,199,700	3,199,700	
2	Queen Lane Treatment Plant	2,677,000	2,565,000	2,565,000		2,673,000	2,673,000		2,741,000	2,741,000		2,837,000	2,837,000		2,966,000	2,966,000	
3	Belmont Treatment Plant	2,502,810	2,398,000	2,398,000		2,499,000	2,499,000		2,562,000	2,562,000		2,653,000	2,653,000		2,773,000	2,773,000	
4	Conveyance Headquarters	567,000	543,000	543,000		566,000	566,000		580,000	580,000		601,000	601,000		628,000	628,000	
5	Load Control	1,154,000	1,106,000	1,106,000		1,152,000	1,152,000		1,181,000	1,181,000		1,223,000	1,223,000		1,278,000	1,278,000	
6	Distribution	12,610,000	12,084,000	12,084,000		12,591,000	12,591,000		12,909,000	12,909,000		13,365,000	13,365,000		13,971,000	13,971,000	
7	Pumping (b)	2,019,000	1,935,000	1,935,000		2,016,000	2,016,000		2,067,000	2,067,000		2,140,000	2,140,000		2,237,000	2,237,000	
8	Emergency & Support Services	0	0	0		0	0		0	0		0	0		0	0	
9	Subtotal	24,418,067	23,398,000	23,398,000	0	24,381,200	24,381,200	0	24,997,000	24,997,000	0	25,879,000	25,879,000	0	27,052,700	27,052,700	0
10	Biosolids Engr Services	0	0		0	0		0	0		0	0		0	0		0
11	Biosolids Utilization	0	0		0	0		0	0		0	0		0	0		0
12	Biosolids Processing	3,790,000	3,632,000		3,632,000	3,784,000		3,784,000	3,880,000		3,880,000	4,017,000		4,017,000	4,199,000		4,199,000
13	NEWPCP	6,581,000	6,306,000		6,306,000	6,570,000		6,570,000	6,736,000		6,736,000	6,974,000		6,974,000	7,290,000		7,290,000
14	SWWPCP	6,840,000	6,555,000		6,555,000	6,830,000		6,830,000	7,003,000		7,003,000	7,250,000		7,250,000	7,578,000		7,578,000
15	SEWPCP	3,368,200	3,228,000		3,228,000	3,363,000		3,363,000	3,448,000		3,448,000	3,570,000		3,570,000	3,732,000		3,732,000
16	Industrial Waste	1,074,000	1,029,000		1,029,000	1,072,000		1,072,000	1,099,000		1,099,000	1,138,000		1,138,000	1,189,000		1,189,000
17	Sewer Maintenance	7,172,000	6,873,000		6,873,000	7,161,000		7,161,000	7,342,000		7,342,000	7,601,000		7,601,000	7,946,000		7,946,000
18	Inlet Cleaning	4,167,000	3,993,000		3,993,000	4,160,000		4,160,000	4,265,000		4,265,000	4,416,000		4,416,000	4,616,000		4,616,000
19	Interceptors/Flow Control	3,198,000	3,065,000		3,065,000	3,193,000		3,193,000	3,274,000		3,274,000	3,389,000		3,389,000	3,543,000		3,543,000
20	Data & Flow Control	0	0		0	0		0	0		0	0		0	0		0
21	Collector System Support	1,400,000	1,342,000		1,342,000	1,398,000		1,398,000	1,433,000		1,433,000	1,484,000		1,484,000	1,551,000		1,551,000
22	Subtotal	37,590,200	36,023,000		36,023,000	37,531,000		37,531,000	38,480,000		38,480,000	39,839,000		39,839,000	41,644,000		41,644,000
23	Total Direct Costs	62,008,267	59,421,000	23,398,000	36,023,000	61,912,200	24,381,200	37,531,000	63,477,000	24,997,000	38,480,000	65,718,000	25,879,000	39,839,000	68,696,700	27,052,700	41,644,000
	ALLOCATED COSTS																
24	Treatment Headquarters (50/50)	533,000	511,000	256,000	255,000	532,000	266,000	266,000	545,000	273,000	272,000	565,000	283,000	282,000	590,000	295,000	295,000
25	Machine Shops (50/50)	NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Building Maintenance (50/50)	NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Security (50/50)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Operations Admin/Delinquencies/Plumbing. (50/50	2,720,500	2,607,000	1,304,000	1,303,000	2,716,000	1,358,000	1,358,000	2,785,000	1,393,000	1,392,000	2,883,000	1,442,000	1,441,000	3,014,000	1,507,000	1,507,000
29	Materials Management (50/50)	1,690,000	1,619,000	810,000	809,000	1,687,000	844,000	843,000	1,730,000	865,000	865,000	1,791,000	896,000	895,000	1,872,000	936,000	936,000
30	Customer Service (50/50)	1,096,000	1,050,000	525,000	525,000	1,094,000	547,000	547,000	1,122,000	561,000	561,000	1,161,000	581,000	580,000	1,214,000	607,000	607,000
31	Meter Shop (50/50)	1,836,036	1,759,000	880,000	879,000	1,833,000	917,000	916,000	1,879,000	940,000	939,000	1,946,000	973,000	973,000	2,034,000	1,017,000	1,017,000
32	Automotive Maintenance (35/65)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Subtotal	7,875,536	7,546,000	3,775,000	3,771,000	7,862,000	3,932,000	3,930,000	8,061,000	4,032,000	4,029,000	8,346,000	4,175,000	4,171,000	8,724,000	4,362,000	4,362,000
34	Total Class 100 excluding additional O&M	69,883,803	66,967,000	27,173,000	39,794,000	69,774,200	28,313,200	41,461,000	71,538,000	29,029,000	42,509,000	74,064,000	30,054,000	44,010,000	77,420,700	31,414,700	46,006,000
	Water/Sewer Split			40.58%	59.42%		40.58%	59.42%		40.58%	59.42%		40.58%	59.42%		40.58%	59.42%
	Total Class 100 including additional O&M (OMtwo-5 & OMtwo-7)			27,173,000	39,794,000		28,313,200	41,461,000		29,029,000	42,509,000		30,053,838	44,009,762		31,414,700	46,006,000
	Difference			0	0		(0)	0		0	0		(162)	(238)		0	0
35	Total Class 100 excluding additional O&M (OMone-7)		66,967,000			69,774,200			71,538,000			74,064,000			77,420,700		
36	Total Class 100 including additional O&M (OMtwo-2)		66,967,000			69,774,200			71,538,000			74,063,600			77,420,700		

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo).

(c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.		(17) Estimated FY 2013 Operating Expenditures Total (a) $	(18) Water $	(19) Sewer $	(20) Estimated FY 2014 Operating Expenditures Total (a) $	(21) Water $	(22) Sewer $	(23) Estimated FY 2015 Operating Expenditures Total (a) $	(24) Water $	(25) Sewer $	(26) FY 2009 Test Year Operating Expenditures Total (a) $	(27) Water $	(28) Sewer $
	OPERATIONS DIVISION - Class 100												
	DIRECT COSTS												
1	Baxter Treatment Plant	3,311,800	3,311,800		3,427,900	3,427,900		3,549,300	3,549,300		2,884,200	2,884,200	0
2	Queen Lane Treatment Plant	3,070,000	3,070,000		3,179,000	3,179,000		3,291,000	3,291,000		2,673,000	2,673,000	0
3	Belmont Treatment Plant	2,871,000	2,871,000		2,972,000	2,972,000		3,076,000	3,076,000		2,499,000	2,499,000	0
4	Conveyance Headquarters	650,000	650,000		673,000	673,000		697,000	697,000		566,000	566,000	0
5	Load Control	1,323,000	1,323,000		1,370,000	1,370,000		1,418,000	1,418,000		1,152,000	1,152,000	0
6	Distribution	14,463,000	14,463,000		14,973,000	14,973,000		15,500,000	15,500,000		12,591,000	12,591,000	0
7	Pumping (b)	2,316,000	2,316,000		2,397,000	2,397,000		2,482,000	2,482,000		2,016,000	2,016,000	0
8	Emergency & Support Services	0	0		0	0		0	0		0	0	0
9	Subtotal	28,004,800	28,004,800	0	28,991,900	28,991,900	0	30,013,300	30,013,300	0	24,381,200	24,381,200	0
10	Sludge Engineering Services	0		0	0		0	0		0	0	0	0
11	Sludge Utilization	0		0	0		0	0		0	0	0	0
12	Sludge Processing	4,347,000		4,347,000	4,500,000		4,500,000	4,658,000		4,658,000	3,784,000	0	3,784,000
13	NEWPCP	7,547,000		7,547,000	7,813,000		7,813,000	8,088,000		8,088,000	6,570,000	0	6,570,000
14	SWWPCP	7,846,000		7,846,000	8,122,000		8,122,000	8,408,000		8,408,000	6,830,000	0	6,830,000
15	SEWPCP	3,863,000		3,863,000	3,999,000		3,999,000	4,140,000		4,140,000	3,363,000	0	3,363,000
16	Industrial Waste	1,231,000		1,231,000	1,275,000		1,275,000	1,320,000		1,320,000	1,072,000	0	1,072,000
17	Sewer Maintenance	8,226,000		8,226,000	8,516,000		8,516,000	8,815,000		8,815,000	7,161,000	0	7,161,000
18	Inlet Cleaning	4,779,000		4,779,000	4,947,000		4,947,000	5,121,000		5,121,000	4,160,000	0	4,160,000
19	Interceptors/Flow Control	3,668,000		3,668,000	3,797,000		3,797,000	3,931,000		3,931,000	3,193,000	0	3,193,000
20	Data & Flow Control	0		0	0		0	0		0	0	0	0
21	Collector System Support	1,606,000		1,606,000	1,662,000		1,662,000	1,721,000		1,721,000	1,398,000	0	1,398,000
22	Subtotal	43,113,000		43,113,000	44,631,000		44,631,000	46,202,000		46,202,000	37,531,000	0	37,531,000
23	Total Direct Costs	71,117,800	28,004,800	43,113,000	73,622,900	28,991,900	44,631,000	76,215,300	30,013,300	46,202,000	61,912,200	24,381,200	37,531,000
	ALLOCATED COSTS												
24	Treatment Headquarters (50/50)	611,000	306,000	305,000	633,000	317,000	316,000	655,000	328,000	327,000	532,000	266,000	266,000
25	Machine Shops (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
26	Building Maintenance (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
27	Security (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
28	Operations Admin/Delinquencies/Plumbing. (50/50) (c)	3,120,000	1,560,000	1,560,000	3,230,000	1,615,000	1,615,000	3,343,000	1,672,000	1,671,000	2,716,000	1,358,000	1,358,000
29	Materials Management (50/50)	1,938,000	969,000	969,000	2,006,000	1,003,000	1,003,000	2,077,000	1,039,000	1,038,000	1,687,000	844,000	843,000
30	Customer Service (50/50)	1,257,000	629,000	628,000	1,301,000	651,000	650,000	1,347,000	674,000	673,000	1,094,000	547,000	547,000
31	Meter Shop (50/50)	2,106,000	1,053,000	1,053,000	2,180,000	1,090,000	1,090,000	2,256,000	1,128,000	1,128,000	1,833,000	917,000	916,000
32	Automotive Maintenance (35/65)	0	0	0	0	0	0	0	0	0	0	0	0
33	Subtotal	9,032,000	4,517,000	4,515,000	9,350,000	4,676,000	4,674,000	9,678,000	4,841,000	4,837,000	7,862,000	3,932,000	3,930,000
34	Total Class 100 excluding additional O&M	80,149,800	32,521,800	47,628,000	82,972,900	33,667,900	49,305,000	85,893,300	34,854,300	51,039,000	69,774,200	28,313,200	41,461,000
	Water/Sewer Split		40.58%	59.42%		40.58%	59.42%		40.58%	59.42%		40.58%	59.42%
	Total Class 100 including additional O&M (OMtwo-5 & OMtwo-7)		32,521,800	47,628,000		33,667,900	49,305,000		34,854,300	51,039,000		28,313,200	41,461,000
	Difference		0	0		0	0		0	0		(0)	0
35	Total Class 100 excluding additional O&M (OMone-7)	80,149,800			82,972,900			85,893,300					
36	Total Class 100 including additional O&M (OMtwo-2)	80,149,800			82,972,900			85,893,300					

Line No.		Water Previous Rate Study	Sewer
24	Treatment Headquarters (50/50)	50.0%	50.0%
25	Machine Shops (50/50)	50.0%	50.0%
26	Building Maintenance (50/50)	50.0%	50.0%
27	Security (50/50)	50.0%	50.0%
28	Operations Admin/Delinquencies/Plumbing. (50/50) (c)	50.0%	50.0%
29	Materials Management (50/50)	50.0%	50.0%
30	Customer Service (50/50)	50.0%	50.0%
31	Meter Shop (50/50)	50.0%	50.0%
32	Automotive Maintenance (35/65)	35.0%	65.0%

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo). (c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.			(1) FY 2008 Budgeted O&M Less Power	(2) Estimated FY 2008 Operating Expenditures Total (a)	(3) Water	(4) Sewer	(5) Estimated FY 2009 Operating Expenditures Total (a)	(6) Water	(7) Sewer	(8) Estimated FY 2010 Operating Expenditures Total (a)	(9) Water	(10) Sewer	(11) Estimated FY 2011 Operating Expenditures Total (a)	(12) Water	(13) Sewer	(14) Estimated FY 2012 Operating Expenditures Total (a)	(15) Water	(16) Sewer
			$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
			BD-20 & BD 19-1															
	OPERATIONS DIVISION - Class 200 (Excluding Power)																	
	DIRECT COSTS																	
1	Baxter Treatment Plant	x	700,000	682,000	682,000		663,800	663,800		684,100	684,100		707,000	707,000		728,000	728,000	
2	Queen Lane Treatment Plant	x	592,000	577,000	577,000		562,000	562,000		579,000	579,000		596,000	596,000		614,000	614,000	
3	Belmont Treatment Plant	x	356,000	347,000	347,000		338,000	338,000		348,000	348,000		358,000	358,000		369,000	369,000	
4	Conveyance Headquarters	x	1,578,000	1,539,000	1,539,000		1,498,000	1,498,000		1,543,000	1,543,000		1,589,000	1,589,000		1,637,000	1,637,000	
5	Load Control	x	633,000	617,000	617,000		601,000	601,000		619,000	619,000		638,000	638,000		657,000	657,000	
6	Distribution	x	326,000	318,000	318,000		310,000	310,000		319,000	319,000		329,000	329,000		339,000	339,000	
7	Pumping (b)	x	332,000	324,000	324,000		315,000	315,000		324,000	324,000		334,000	334,000		344,000	344,000	
8	Emergency & Support Services		0	0	0		0	0		0	0		0	0		0	0	
9	Subtotal		4,517,000	4,404,000	4,404,000	0	4,287,800	4,287,800	0	4,416,100	4,416,100	0	4,551,000	4,551,000	0	4,688,000	4,688,000	0
10	Biosolids Engr Services		0	0		0	0		0	0		0	0		0	0		0
11	Biosolids Utilization		0	0		0	0		0	0		0	0		0	0		0
12	Biosolids Processing		17,361,000	16,927,000		16,927,000	16,480,000		16,480,000	16,974,000		16,974,000	17,483,000		17,483,000	18,007,000		18,007,000
13	NEWPCP		3,148,000	3,069,000		3,069,000	2,988,000		2,988,000	3,078,000		3,078,000	3,170,000		3,170,000	3,265,000		3,265,000
14	SWWPCP		2,080,000	2,028,000		2,028,000	1,974,000		1,974,000	2,033,000		2,033,000	2,094,000		2,094,000	2,157,000		2,157,000
15	SEWPCP		652,000	636,000		636,000	619,000		619,000	638,000		638,000	657,000		657,000	677,000		677,000
16	Industrial Waste		144,000	140,000		140,000	136,000		136,000	140,000		140,000	144,000		144,000	148,000		148,000
17	Sewer Maintenance		2,813,000	2,743,000		2,743,000	2,670,000		2,670,000	2,750,000		2,750,000	2,832,000		2,832,000	2,917,000		2,917,000
18	Inlet Cleaning		73,000	71,000		71,000	69,000		69,000	71,000		71,000	73,000		73,000	75,000		75,000
19	Interceptors/Flow Control		1,952,000	1,903,000		1,903,000	1,853,000		1,853,000	1,909,000		1,909,000	1,966,000		1,966,000	2,025,000		2,025,000
20	Data & Flow Control			0		0	0		0	0		0	0		0	0		0
21	Collector System Support		10,000	10,000		10,000	10,000		10,000	10,000		10,000	10,000		10,000	10,000		10,000
22	Subtotal		28,233,000	27,527,000		27,527,000	26,799,000		26,799,000	27,603,000		27,603,000	28,429,000		28,429,000	29,281,000		29,281,000
23	Total Direct Costs		32,750,000	31,931,000	4,404,000	27,527,000	31,086,800	4,287,800	26,799,000	32,019,100	4,416,100	27,603,000	32,980,000	4,551,000	28,429,000	33,969,000	4,688,000	29,281,000
	ALLOCATED COSTS																	
24	Treatment Headquarters (50/50)		122,000	119,000	60,000	59,000	115,900	58,000	57,900	119,000	60,000	59,000	123,000	62,000	61,000	127,000	64,000	63,000
25	Machine Shops (50/50)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Building Maintenance (50/50)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Security (50/50)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Operations Admin/Delinquencies/Plumbing. (50/50		6,652,000	6,486,000	3,243,000	3,243,000	6,314,600	3,157,000	3,157,600	6,504,000	3,252,000	3,252,000	6,699,000	3,350,000	3,349,000	6,900,000	3,450,000	3,450,000
29	Materials Management (50/50)		276,000	269,000	135,000	134,000	261,900	131,000	130,900	270,000	135,000	135,000	278,000	139,000	139,000	286,000	143,000	143,000
30	Customer Service (50/50)		5,463,000	5,326,000	2,663,000	2,663,000	5,185,200	2,593,000	2,592,200	5,341,000	2,671,000	2,670,000	5,501,000	2,751,000	2,750,000	5,666,000	2,833,000	2,833,000
31	Warranty Program (45/55)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Meter Shop (50/50)		250,000	244,000	122,000	122,000	237,600	119,000	118,600	245,000	123,000	122,000	252,000	126,000	126,000	260,000	130,000	130,000
33	Automotive Maintenance (35/65)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Subtotal	28%	12,763,000	12,444,000	6,223,000	6,221,000	12,115,200	6,058,000	6,057,200	12,479,000	6,241,000	6,238,000	12,853,000	6,428,000	6,425,000	13,239,000	6,620,000	6,619,000
35	Total Class 200 excluding additional O&M		45,513,000	44,375,000	10,627,000	33,748,000	43,202,000	10,345,800	32,856,200	44,498,100	10,657,100	33,841,000	45,833,000	10,979,000	34,854,000	47,208,000	11,308,000	35,900,000
	Water/Sewer Split				23.95%	76.05%		23.95%	76.05%		23.95%	76.05%		23.95%	76.05%		23.95%	76.05%
	Total Class 200 including additional O&M (OMtwo-5 & OMtwo-7)				10,627,000	33,748,000		10,345,800	32,856,200		10,657,100	33,841,000		10,979,000	34,854,000		11,308,000	35,900,000
	Difference				0	0		0	0		0	0		0	0		0	0
36	Total Class 200 excluding additional O&M (OMone-7)			44,375,000			43,202,000			44,498,000			45,833,000			47,208,000		
37	Total Class 200 including additional O&M (OMtwo-2)			44,375,000			43,202,000			44,498,100			45,833,000			47,208,000		

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo). (c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.		(17) Estimated FY 2013 Operating Expenditures Total (a) $	(18) Water $	(19) Sewer $	(20) Estimated FY 2014 Operating Expenditures Total (a) $	(21) Water $	(22) Sewer $	(23) Estimated FY 2015 Operating Expenditures Total (a) $	(24) Water $	(25) Sewer $	(26) FY 2009 Test Year Operating Expenditures Total $	(27) Water $	(28) Sewer $		
	OPERATIONS DIVISION - Class 200 (Excluding Power)														
	DIRECT COSTS														
1	Baxter Treatment Plant	750,200	750,200		773,000	773,000		795,400	795,400		663,800	663,800	0		
2	Queen Lane Treatment Plant	632,000	632,000		651,000	651,000		671,000	671,000		562,000	562,000	0		
3	Belmont Treatment Plant	380,000	380,000		391,000	391,000		403,000	403,000		338,000	338,000	0		
4	Conveyance Headquarters	1,686,000	1,686,000		1,737,000	1,737,000		1,789,000	1,789,000		1,498,000	1,498,000	0		
5	Load Control	677,000	677,000		697,000	697,000		718,000	718,000		601,000	601,000	0		
6	Distribution	349,000	349,000		359,000	359,000		370,000	370,000		310,000	310,000	0		
7	Pumping (b)	354,000	354,000		365,000	365,000		376,000	376,000		315,000	315,000	0		
8	Emergency & Support Services	0	0		0	0		0	0		0	0	0		
9	Subtotal	4,828,200	4,828,200	0	4,973,000	4,973,000	0	5,122,400	5,122,400	0	4,287,800	4,287,800	0		
10	Biosolids Engr Services	0		0	0		0	0		0	0	0	0		
11	Biosolids Utilization	0		0	0		0	0		0	0	0	0		
12	Biosolids Processing	18,547,000		18,547,000	19,103,000		19,103,000	19,676,000		19,676,000	16,480,000	0	16,480,000		
13	NEWPCP	3,363,000		3,363,000	3,464,000		3,464,000	3,568,000		3,568,000	2,988,000	0	2,988,000		
14	SWWPCP	2,222,000		2,222,000	2,289,000		2,289,000	2,358,000		2,358,000	1,974,000	0	1,974,000		
15	SEWPCP	697,000		697,000	718,000		718,000	740,000		740,000	619,000	0	619,000		
16	Industrial Waste	152,000		152,000	157,000		157,000	162,000		162,000	136,000	0	136,000		
17	Sewer Maintenance	3,005,000		3,005,000	3,095,000		3,095,000	3,188,000		3,188,000	2,670,000	0	2,670,000		
18	Inlet Cleaning	77,000		77,000	79,000		79,000	81,000		81,000	69,000	0	69,000		
19	Interceptors/Flow Control	2,086,000		2,086,000	2,149,000		2,149,000	2,213,000		2,213,000	1,853,000	0	1,853,000		
20	Data & Flow Control	0		0	0		0	0		0	0	0	0		
21	Collector System Support	10,000		10,000	10,000		10,000	10,000		10,000	10,000	0	10,000		
22	Subtotal	30,159,000		30,159,000	31,064,000		31,064,000	31,996,000		31,996,000	26,799,000	0	26,799,000		
23	Total Direct Costs	34,987,200	4,828,200	30,159,000	36,037,000	4,973,000	31,064,000	37,118,400	5,122,400	31,996,000	31,086,800	4,287,800	26,799,000		
	ALLOCATED COSTS														
24	Treatment Headquarters (50/50)	131,000	66,000	65,000	135,000	68,000	67,000	139,000	70,000	69,000	115,900	58,000	57,900		
25	Machine Shops (50/50)	0	0	0	0	0	0	0	0	0	0	0	0		
26	Building Maintenance (50/50)	0	0	0	0	0	0	0	0	0	0	0	0		
27	Security (50/50)	0	0	0	0	0	0	0	0	0	0	0	0		
28	Operations Admin. (50/50) (c)	7,107,000	3,554,000	3,553,000	7,320,000	3,660,000	3,660,000	7,540,000	3,770,000	3,770,000	6,314,600	3,157,000	3,157,600		
29	Materials Management (50/50)	295,000	148,000	147,000	304,000	152,000	152,000	313,000	157,000	156,000	261,900	131,000	130,900		
30	Customer Service (50/50)	5,836,000	2,918,000	2,918,000	6,011,000	3,006,000	3,005,000	6,191,000	3,096,000	3,095,000	5,185,200	2,593,000	2,592,200		
31	Warranty Program (45/55)	0	0	0	0	0	0	0	0	0	0	0	0		
32	Meter Shop (50/50)	268,000	94,000	174,000	276,000	97,000	179,000	284,000	99,000	185,000	237,600	119,000	118,600		
33	Automotive Maintenance (35/65)	0	0	0	0	0	0	0	0	0	0	0	0		
34	Subtotal	13,637,000	6,780,000	6,857,000	14,046,000	6,983,000	7,063,000	14,467,000	7,192,000	7,275,000	12,115,200	6,058,000	6,057,200		
35	Total Class 200 excluding additional O&M	48,624,200	11,608,200	37,016,000	50,083,000	11,956,000	38,127,000	51,585,400	12,314,400	39,271,000	43,202,000	10,345,800	32,856,200	Warranty Program Split (W/WW)	
	Water/Sewer Split		23.87%	76.13%		23.87%	76.13%		23.87%	76.13%		23.95%	76.05%	45%	55%
	Total Class 200 including additional O&M (OMtwo-5 & OMtwo-7)		11,608,200	37,016,000		11,955,976	38,126,924		12,314,400	39,271,000		10,345,800	32,856,200		
	Difference		0	0		(24)	(76)		0	0					
36	Total Class 200 excluding additional O&M (OMone-7)	48,624,200			50,083,000			51,585,400							
37	Total Class 200 including additional O&M (OMtwo-2)	48,624,200			50,082,900			51,585,400							

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo).

(c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.			(1) FY 2008 Budgeted O&M $ BD-20	(2) Estimated FY 2008 Operating Expenditures Total (a) $	(3) Water $	(4) Sewer $	(5) Estimated FY 2009 Operating Expenditures Total (a) $	(6) Water $	(7) Sewer $	(8) Estimated FY 2010 Operating Expenditures Total (a) $	(9) Water $	(10) Sewer $	(11) Estimated FY 2011 Operating Expenditures Total (a) $	(12) Water $	(13) Sewer $	(14) Estimated FY 2012 Operating Expenditures Total (a) $	(15) Water $	(16) Sewer $
	OPERATIONS DIVISION - Class 300 (Excluding Chemicals)																	
	DIRECT COSTS																	
1	Baxter Treatment Plant		475,000	489,600	489,600		544,800	544,800		561,300	561,300		578,800	578,800		596,000	596,000	
2	Queen Lane Treatment Plant		570,000	587,000	587,000		654,000	654,000		674,000	674,000		694,000	694,000		715,000	715,000	
3	Belmont Treatment Plant		441,500	455,000	455,000		507,000	507,000		522,000	522,000		538,000	538,000		554,000	554,000	
4	Conveyance Headquarters		10,000	10,000	10,000		11,000	11,000		11,000	11,000		12,000	12,000		12,000	12,000	
5	Load Control		101,000	104,000	104,000		116,000	116,000		119,000	119,000		123,000	123,000		127,000	127,000	
6	Distribution		321,500	331,000	331,000		369,000	369,000		380,000	380,000		391,000	391,000		403,000	403,000	
7	Pumping (b)		360,000	371,000	371,000		413,000	413,000		425,000	425,000		438,000	438,000		451,000	451,000	
8	Emergency & Support Services		0	0	0		0	0		0	0		0	0		0	0	
9	Subtotal	34%	2,279,000	2,347,600	2,347,600	0	2,614,800	2,614,800	0	2,692,300	2,692,300	0	2,774,800	2,774,800	0	2,858,000	2,858,000	0
10	Biosolids Engr Services		0	0		0	0		0	0		0	0		0	0		0
11	Biosolids Utilization		0	0		0	0		0	0		0	0		0	0		0
12	Biosolids Processing		256,000	264,000		264,000	294,000		294,000	303,000		303,000	312,000		312,000	321,000		321,000
13	NEWPCP		1,395,000	1,437,000		1,437,000	1,600,000		1,600,000	1,648,000		1,648,000	1,697,000		1,697,000	1,748,000		1,748,000
14	SWWPCP		649,000	668,000		668,000	744,000		744,000	766,000		766,000	789,000		789,000	813,000		813,000
15	SEWPCP		423,500	436,000		436,000	486,000		486,000	501,000		501,000	516,000		516,000	531,000		531,000
16	Industrial Waste		54,000	56,000		56,000	62,000		62,000	64,000		64,000	66,000		66,000	68,000		68,000
17	Sewer Maintenance		793,000	817,000		817,000	910,000		910,000	937,000		937,000	965,000		965,000	994,000		994,000
18	Inlet Cleaning		89,000	92,000		92,000	102,000		102,000	105,000		105,000	108,000		108,000	111,000		111,000
19	Interceptors/Flow Control		749,000	771,000		771,000	859,000		859,000	885,000		885,000	911,000		911,000	939,000		939,000
20	Data & Flow Control			0		0	0		0	0		0	0		0	0		0
21	Collector System Support		5,000	5,000		5,000	6,000		6,000	6,000		6,000	6,000		6,000	7,000		7,000
22	Subtotal	66%	4,413,500	4,546,000		4,546,000	5,063,000		5,063,000	5,215,000		5,215,000	5,370,000		5,370,000	5,532,000		5,532,000
23	Total Direct Costs		6,692,500	6,893,600	2,347,600	4,546,000	7,677,800	2,614,800	5,063,000	7,907,300	2,692,300	5,215,000	8,144,800	2,774,800	5,370,000	8,390,000	2,858,000	5,532,000
	ALLOCATED COSTS																	
24	Treatment Headquarters (50/50)		4,000	4,000	2,000	2,000	4,500	2,300	2,200	5,000	2,500	2,500	5,000	2,500	2,500	5,000	2,500	2,500
25	Machine Shops (50/50)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Building Maintenance (50/50)			0	0		0	0	0	0	0	0	0	0	0	0	0	0
27	Security (50/50)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Operations Admin. (50/50) (c)		68,000	70,000	35,000	35,000	78,000	39,000	39,000	80,000	40,000	40,000	83,000	41,500	41,500	85,000	42,500	42,500
29	Materials Management (50/50)		6,975,000	7,184,400	3,592,200	3,592,200	8,001,500	4,000,800	4,000,700	8,242,000	4,121,000	4,121,000	8,489,000	4,244,500	4,244,500	8,743,000	4,371,500	4,371,500
30	Customer Service (50/50)		22,000	22,700	11,400	11,300	25,300	12,700	12,600	26,000	13,000	13,000	27,000	13,500	13,500	28,000	14,000	14,000
31	Meter Shop (50/50)		76,000	78,300	39,200	39,100	87,000	43,500	43,500	90,000	45,000	45,000	92,000	46,000	46,000	95,000	47,500	47,500
32	Automotive Maintenance (35/65)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Subtotal		7,145,000	7,359,400	3,679,800	3,679,600	8,196,300	4,098,300	4,098,000	8,443,000	4,221,500	4,221,500	8,696,000	4,348,000	4,348,000	8,956,000	4,478,000	4,478,000
34	Total Class 300 excluding additional O&M		13,837,500	14,253,000	6,027,400	8,225,600	15,874,100	6,713,100	9,161,000	16,350,300	6,913,800	9,436,500	16,840,800	7,122,800	9,718,000	17,346,000	7,336,000	10,010,000
35	Water/Sewer Split				42.29%	57.71%		42.29%	57.71%		42.29%	57.71%		42.29%	57.71%		42.29%	57.71%
36	Total Class 300 including additional O&M (OMtwo-5 & OMtwo-7)				6,027,400	8,225,600		6,713,100	9,161,000		6,913,800	9,436,500		7,122,800	9,718,000		7,336,000	10,010,000
37	Difference				0	0		0	0		0	0		0	0		0	0
								15,874,100										
38	Total Class 300 excluding Chemicals additional O&M (OMone-7)			14,253,000			15,874,100			16,350,300			16,840,800			17,346,000		
39	Total Class 300 including Chemicals additional O&M (OMtwo-2)			14,253,000			15,874,100			16,350,300			16,840,800			17,346,000		

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo).

(c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.		(17) Estimated FY 2013 Operating Expenditures Total (a) $	(18) Water $	(19) Sewer $	(20) Estimated FY 2014 Operating Expenditures Total (a) $	(21) Water $	(22) Sewer $	(23) Estimated FY 2015 Operating Expenditures Total (a) $	(24) Water $	(25) Sewer $	(26) FY 2009 Test Year Operating Expenditures Total (a) $	(27) Water $	(28) Sewer $
	OPERATIONS DIVISION - Class 300 (Excluding Chemicals)												
	DIRECT COSTS												
1	Baxter Treatment Plant	612,400	612,400		632,400	632,400		651,500	651,500		544,800	544,800	0
2	Queen Lane Treatment Plant	736,000	736,000		758,000	758,000		781,000	781,000		654,000	654,000	0
3	Belmont Treatment Plant	571,000	571,000		588,000	588,000		605,000	605,000		507,000	507,000	0
4	Conveyance Headquarters	12,000	12,000		13,000	13,000		13,000	13,000		11,000	11,000	0
5	Load Control	131,000	131,000		134,000	134,000		139,000	139,000		116,000	116,000	0
6	Distribution	415,000	415,000		428,000	428,000		441,000	441,000		369,000	369,000	0
7	Pumping (b)	465,000	465,000		479,000	479,000		493,000	493,000		413,000	413,000	0
8	Emergency & Support Services	0	0		0	0		0	0		0	0	0
9	Subtotal	2,942,400	2,942,400	0	3,032,400	3,032,400	0	3,123,500	3,123,500	0	2,614,800	2,614,800	0
10	Biosolids Engr Services	0		0	0		0	0		0	0	0	0
11	Biosolids Utilization	0		0	0		0	0		0	0	0	0
12	Biosolids Processing	331,000		331,000	341,000		341,000	351,000		351,000	294,000	0	294,000
13	NEWPCP	1,801,000		1,801,000	1,855,000		1,855,000	1,910,000		1,910,000	1,600,000	0	1,600,000
14	SWWPCP	837,000		837,000	862,000		862,000	888,000		888,000	744,000	0	744,000
15	SEWPCP	547,000		547,000	563,000		563,000	580,000		580,000	486,000	0	486,000
16	Industrial Waste	70,000		70,000	72,000		72,000	74,000		74,000	62,000	0	62,000
17	Sewer Maintenance	1,024,000		1,024,000	1,055,000		1,055,000	1,087,000		1,087,000	910,000	0	910,000
18	Inlet Cleaning	115,000		115,000	118,000		118,000	122,000		122,000	102,000	0	102,000
19	Interceptors/Flow Control	967,000		967,000	996,000		996,000	1,026,000		1,026,000	859,000	0	859,000
20	Data & Flow Control	0		0	0		0	0		0	0	0	0
21	Collector System Support	7,000		7,000	7,000		7,000	7,000		7,000	6,000	0	6,000
22	Subtotal	5,699,000		5,699,000	5,869,000		5,869,000	6,045,000		6,045,000	5,063,000	0	5,063,000
23	Total Direct Costs	8,641,400	2,942,400	5,699,000	8,901,400	3,032,400	5,869,000	9,168,500	3,123,500	6,045,000	7,677,800	2,614,800	5,063,000
	ALLOCATED COSTS												
24	Treatment Headquarters (50/50)	5,000	3,000	2,000	5,000	3,000	2,000	5,000	3,000	2,000	4,500	2,300	2,200
25	Machine Shops (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
26	Building Maintenance (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
27	Security (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
28	Operations Admin. (50/50) (c)	88,000	44,000	44,000	90,000	45,000	45,000	93,000	47,000	46,000	78,000	39,000	39,000
29	Materials Management (50/50)	9,006,000	4,503,000	4,503,000	9,276,000	4,638,000	4,638,000	9,554,000	4,777,000	4,777,000	8,001,500	4,000,800	4,000,700
30	Customer Service (50/50)	28,000	14,000	14,000	29,000	15,000	14,000	30,000	15,000	15,000	25,300	12,700	12,600
31	Meter Shop (50/50)	98,000	49,000	49,000	101,000	51,000	50,000	104,000	52,000	52,000	87,000	43,500	43,500
32	Automotive Maintenance (35/65)	0	0	0	0	0	0	0	0	0	0	0	0
33	Subtotal	9,225,000	4,613,000	4,612,000	9,501,000	4,752,000	4,749,000	9,786,000	4,894,000	4,892,000	8,196,300	4,098,300	4,098,000
34	Total Class 300 excluding additional O&M	17,866,400	7,555,400	10,311,000	18,402,400	7,784,400	10,618,000	18,954,500	8,017,500	10,937,000	15,874,100	6,713,100	9,161,000
	Water/Sewer Split		42.29%	57.71%		42.30%	57.70%		42.30%	57.70%		42.29%	57.71%
	Total Class 300 including additional O&M (OMtwo-5 & OMtwo-7)		7,555,400	10,311,000		7,784,400	10,618,000		8,017,500	10,937,000		6,713,100	9,161,000
	Difference		0	0		0	0		0	0		0	0
35	Total Class 300 excluding additional O&M (OMone-7)	17,866,400			18,402,400			18,954,500					
36	Total Class 300 including additional O&M (OMtwo-2)	17,866,400			18,402,400			18,954,500					

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.

(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo). (c) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.			(1) FY 2008 Budgeted O&M $ BD-6.1	(2) Estimated FY 2008 Operating Expenditures Total (a) $	(3) Water $	(4) Sewer $	(5) Estimated FY 2009 Operating Expenditures Total (a) $	(6) Water $	(7) Sewer $	(8) Estimated FY 2010 Operating Expenditures Total (a) $	(9) Water $	(10) Sewer $	(11) Estimated FY 2011 Operating Expenditures Total (a) $	(12) Water $	(13) Sewer $	(14) Estimated FY 2012 Operating Expenditures Total (a) $	(15) Water $	(16) Sewer $
	OPERATIONS DIVISION - Class 400																	
	DIRECT COSTS																	
1	Baxter Treatment Plant		42,000	28,000	28,000		32,300	32,300		32,000	32,000		32,900	32,900		35,100	35,100	
2	Queen Lane Treatment Plant		40,000	30,000	30,000		35,000	35,000		36,000	36,000		37,000	37,000		38,000	38,000	
3	Belmont Treatment Plant		50,000	37,000	37,000		43,000	43,000		44,000	44,000		46,000	46,000		47,000	47,000	
4	Conveyance Headquarters		30,000	22,000	22,000		25,000	25,000		26,000	26,000		27,000	27,000		27,000	27,000	
5	Load Control		61,000	45,000	45,000		52,000	52,000		54,000	54,000		55,000	55,000		57,000	57,000	
6	Distribution		268,500	199,000	199,000		230,000	230,000		237,000	237,000		244,000	244,000		251,000	251,000	
7	Pumping (b)		61,500	46,000	46,000		53,000	53,000		55,000	55,000		56,000	56,000		58,000	58,000	
8	Emergency & Support Services		0	0	0		0	0		0	0		0	0		0	0	
9	Subtotal	38%	553,000	407,000	407,000	0	470,300	470,300	0	484,000	484,000	0	497,900	497,900	0	513,100	513,100	0
10	Biosolids Engr Services		0	0		0	0		0	0		0	0		0	0		0
11	Biosolids Utilization		0	0		0	0		0	0		0	0		0	0		0
12	Biosolids Processing		55,000	41,000		41,000	47,000		47,000	48,000		48,000	50,000		50,000	51,000		51,000
13	NEWPCP		222,000	164,000		164,000	189,000		189,000	195,000		195,000	201,000		201,000	207,000		207,000
14	SWWPCP		235,000	174,000		174,000	201,000		201,000	207,000		207,000	213,000		213,000	220,000		220,000
15	SEWPCP		121,000	90,000		90,000	104,000		104,000	107,000		107,000	110,000		110,000	114,000		114,000
16	Industrial Waste		15,000	11,000		11,000	13,000		13,000	13,000		13,000	14,000		14,000	14,000		14,000
17	Sewer Maintenance		100,000	74,000		74,000	85,000		85,000	88,000		88,000	90,000		90,000	93,000		93,000
18	Inlet Cleaning		50,000	37,000		37,000	43,000		43,000	44,000		44,000	46,000		46,000	47,000		47,000
19	Interceptors/Flow Control		101,000	75,000		75,000	87,000		87,000	90,000		90,000	92,000		92,000	95,000		95,000
20	Data & Flow Control			0		0	0		0	0		0	0		0	0		0
21	Collector System Support		5,000	4,000		4,000	5,000		5,000	5,000		5,000	5,000		5,000	5,000		5,000
22	Subtotal	62%	904,000	670,000		670,000	774,000		774,000	797,000		797,000	821,000		821,000	846,000		846,000
23	Total Direct Costs		1,457,000	1,077,000	407,000	670,000	1,244,300	470,300	774,000	1,281,000	484,000	797,000	1,318,900	497,900	821,000	1,359,100	513,100	846,000
	ALLOCATED COSTS																	
23	Treatment Headquarters (50/50)		20,000	15,000	8,000	7,000	17,000	9,000	8,000	18,000	9,000	9,000	18,000	9,000	9,000	19,000	10,000	9,000
24	Machine Shops (50/50)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Building Maintenance (50/50)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Security (50/50)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Operations Admin. (50/50) (e)		68,000	50,000	25,000	25,000	58,000	29,000	29,000	60,000	30,000	30,000	62,000	31,000	31,000	63,000	32,000	31,000
28	Materials Management (50/50)		21,000	16,000	8,000	8,000	18,000	9,000	9,000	19,000	10,000	9,000	19,000	10,000	9,000	20,000	10,000	10,000
29	Customer Service (50/50)		12,000	9,000	5,000	4,000	10,000	5,000	5,000	10,000	5,000	5,000	11,000	6,000	5,000	11,000	6,000	5,000
30	Meter Shop (50/50)		48,000	36,000	18,000	18,000	42,000	21,000	21,000	43,000	22,000	21,000	45,000	23,000	22,000	46,000	23,000	23,000
31	Automotive Maintenance (35/65)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Subtotal		169,000	126,000	64,000	62,000	145,000	73,000	72,000	150,000	76,000	74,000	155,000	79,000	76,000	159,000	81,000	78,000
33	Total Class 400 excluding additional O&M		1,626,000	1,203,000	471,000	732,000	1,389,300	543,300	846,000	1,431,000	560,000	871,000	1,473,900	576,900	897,000	1,518,100	594,100	924,000
34	Water/Sewer Split				39.15%	60.85%		39.11%	60.89%		39.13%	60.87%		39.14%	60.86%		39.13%	60.87%
35	Total Class 400 including additional O&M (OMtwo-5 & OMtwo-7)				471,000	732,000		543,300	846,000		560,000	871,000		576,900	897,000		594,100	924,000
36	Difference				0	0		0	0		0	0		0	0		0	0
37	Total Class 400 excluding additional O&M (OMone-7)			1,203,000			1,389,300			1,431,000			1,473,900			1,518,100		
38	Total Class 400 including additional O&M (OMtwo-2)			1,203,000			1,389,300			1,431,000			1,473,900			1,518,100		
39	Total Operations excluding Power & Chemicals		130,860,303	126,798,000	44,298,400	82,499,600	130,239,600	45,915,400	84,324,200	133,817,400	47,159,900	86,657,500	138,211,700	48,732,700	89,479,000	143,492,800	50,652,800	92,840,000
40	Check (c)			126,798,000	44,298,400	82,499,600	130,239,600	45,915,400	84,324,200	133,817,400	47,159,900	86,657,500	138,211,300	48,732,538	89,478,762	143,492,800	50,652,800	92,840,000
	Difference				0	0		(0)	0		0	0		(162)	(238)		0	0
41	Check (d)		130,300,500	126,798,000			130,240,000			133,817,000			138,211,000			143,493,000		

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.
(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo).
(c) Total O&M checked against OMtwo-2. Water checked against OMtwo-5. Sewer is checked against OMtwo-7. Remember to exclude power.
(d) Checked against OMone-7. Remember to exclude power. (e) includes Delinquency and Restoration Services & Plumbing Repairs Program

Line No.		(17) Estimated FY 2013 Operating Expenditures Total (a) $	(18) Water $	(19) Sewer $	(20) Estimated FY 2014 Operating Expenditures Total (a) $	(21) Water $	(22) Sewer $	(23) Estimated FY 2015 Operating Expenditures Total (a) $	(24) Water $	(25) Sewer $	(26) FY 2009 Test Year Operating Expenditures Total (a) $	(27) Water $	(28) Sewer $
	OPERATIONS DIVISION - Class 400												
	DIRECT COSTS												
1	Baxter Treatment Plant	36,600	36,600		35,500	35,500		39,800	39,800		32,300	32,300	0
2	Queen Lane Treatment Plant	39,000	39,000		41,000	41,000		42,000	42,000		35,000	35,000	0
3	Belmont Treatment Plant	48,000	48,000		50,000	50,000		51,000	51,000		43,000	43,000	0
4	Conveyance Headquarters	28,000	28,000		29,000	29,000		30,000	30,000		25,000	25,000	0
5	Load Control	59,000	59,000		60,000	60,000		62,000	62,000		52,000	52,000	0
6	Distribution	259,000	259,000		267,000	267,000		275,000	275,000		230,000	230,000	0
7	Pumping (b)	60,000	60,000		61,000	61,000		63,000	63,000		53,000	53,000	0
8	Emergency & Support Services	0	0		0	0		0	0		0	0	0
9	Subtotal	529,600	529,600	0	543,500	543,500	0	562,800	562,800	0	470,300	470,300	0
10	Biosolids Engr Services	0		0	0		0	0		0	0	0	0
11	Biosolids Utilization	0		0	0		0	0		0	0	0	0
12	Biosolids Processing	53,000		53,000	54,000		54,000	56,000		56,000	47,000	0	47,000
13	NEWPCP	213,000		213,000	219,000		219,000	226,000		226,000	189,000	0	189,000
14	SWWPCP	226,000		226,000	233,000		233,000	240,000		240,000	201,000	0	201,000
15	SEWPCP	117,000		117,000	121,000		121,000	124,000		124,000	104,000	0	104,000
16	Industrial Waste	15,000		15,000	15,000		15,000	16,000		16,000	13,000	0	13,000
17	Sewer Maintenance	96,000		96,000	99,000		99,000	101,000		101,000	85,000	0	85,000
18	Inlet Cleaning	48,000		48,000	50,000		50,000	51,000		51,000	43,000	0	43,000
19	Interceptors/Flow Control	98,000		98,000	101,000		101,000	104,000		104,000	87,000	0	87,000
20	Data & Flow Control	0		0	0		0	0		0	0	0	0
21	Collector System Support	6,000		6,000	6,000		6,000	6,000		6,000	5,000	0	5,000
22	Subtotal	872,000		872,000	898,000		898,000	924,000		924,000	774,000	0	774,000
23	Total Direct Costs	1,401,600	529,600	872,000	1,441,500	543,500	898,000	1,486,800	562,800	924,000	1,244,300	470,300	774,000
	ALLOCATED COSTS												
23	Treatment Headquarters (50/50)	19,000	10,000	9,000	20,000	10,000	10,000	20,000	10,000	10,000	17,000	9,000	8,000
24	Machine Shops (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
25	Building Maintenance (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
26	Security (50/50)	0	0	0	0	0	0	0	0	0	0	0	0
27	Operations Admin. (50/50)	65,000	33,000	32,000	67,000	34,000	33,000	69,000	35,000	34,000	58,000	29,000	29,000
28	Materials Management (50/50)	20,000	10,000	10,000	21,000	11,000	10,000	21,000	11,000	10,000	18,000	9,000	9,000
29	Customer Service (50/50)	11,000	6,000	5,000	12,000	6,000	6,000	12,000	6,000	6,000	10,000	5,000	5,000
30	Meter Shop (50/50)	47,000	24,000	23,000	49,000	25,000	24,000	50,000	25,000	25,000	42,000	21,000	21,000
31	Automotive Maintenance (35/65)	0	0	0	0	0	0	0	0	0	0	0	0
32	Subtotal	162,000	83,000	79,000	169,000	86,000	83,000	172,000	87,000	85,000	145,000	73,000	72,000
33	Total Class 400 excluding additional O&M	1,563,600	612,600	951,000	1,610,500	629,500	981,000	1,658,800	649,800	1,009,000	1,389,300	543,300	846,000
	Water/Sewer Split		39.18%	60.82%		39.09%	60.91%		39.17%	60.83%		39.11%	60.89%
	Total Class 400 including additional O&M (OMtwo-5 & OMtwo-7)		612,600	951,000		629,500	981,000		649,800	1,009,000		543,300	846,000
	Difference		0	0		0	0		0	0		0	0
34	Total Class 400 excluding additional O&M (OMone-7)	1,563,600			1,610,500			1,658,800					
35	Total Class 400 including additional O&M (OMtwo-2)	1,563,600			1,610,500			1,658,800					
36	Total Operations excluding Power	148,204,000	52,298,000	95,906,000	153,068,800	54,037,800	99,031,000	158,092,000	55,836,000	102,256,000			
37	Check (c)	148,204,000	52,298,000	95,906,000	153,068,700	54,037,776	99,030,924	158,092,000	55,836,000	102,256,000			
	Difference		0	0		(24)	(76)		0	0			
38	Check (d)	148,204,000			153,068,700			158,092,000					

(a) FY 2008 total is calculated as Line 35 spead on Column (1). Each following year is spread on the previous year's total.
(b) Per Jim Palladino, Pumping is 100% Water (see 12/20/00 JRM memo).
(c) Total O&M checked against OMtwo-2. Water checked against OMtwo-5. Sewer is checked against OMtwo-7. Remember to exclude power.
(d) Checked against OMone-7. Remember to exclude power.

Direct Costs Only (Excludes All Allocated Costs Except Treatment HQ)	Fiscal Year Ending June 30								Test Year	
	2008	2009	2010	2011	2012	2013	2014	2015	2009	
	$	$	$	$	$	$	$	$		
Basis for Allocating Water Utility Liquidated Encumbrances										
Class 200 - Purchase of Services										
Class 220 - Power	7,770,600	8,161,600	8,365,700	9,361,000	10,908,000	11,726,000	12,605,500	13,550,800	8,161,600	OMtwo-5 & OMone-11
All Other Class 200	4,464,000	4,345,800	4,476,100	4,613,000	4,752,000	4,894,200	5,041,000	5,192,400	4,345,800	OMtwo-11 & OMtwo-12
Subtotal Class 200	12,234,600	12,507,400	12,841,800	13,974,000	15,660,000	16,620,200	17,646,500	18,743,200	12,507,400	
Class 300 - Materials & Supplies										
Class 307 - Chemicals	15,854,100	18,760,400	20,448,900	22,289,300	24,295,300	26,482,000	28,865,300	31,463,200	18,760,400	OMone-12&OMtwo-13&OMtwo-14
All Other Class 300	2,349,600	2,617,100	2,694,800	2,777,300	2,860,500	2,945,400	3,035,400	3,126,500	2,617,100	OMtwo-13 & OMtwo-14
Subtotal Class 300	18,203,700	21,377,500	23,143,700	25,066,600	27,155,800	29,427,400	31,900,700	34,589,700	21,377,500	
Total	30,438,300	33,884,900	35,985,500	39,040,600	42,815,800	46,047,600	49,547,200	53,332,900	33,884,900	
Allocated Water Utility Liquidated Encumbrances										
Class 200 - Power	1,327,500	1,252,500	1,208,900	1,246,900	1,324,800	1,324,200	1,322,900	1,321,200	1,252,500	
All Other Class 200	762,600	666,900	646,800	614,400	577,100	552,700	529,100	506,300	666,900	
Class 307 - Chemicals	2,708,500	2,879,000	2,954,900	2,968,800	2,950,700	2,990,500	3,029,400	3,067,700	2,879,000	
All Other Class 300	401,400	401,600	389,400	369,900	347,400	332,600	318,600	304,800	401,600	
Total (Prorated on Above)	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	Rreq-6
			3%	0%	-1%	1%	1%	1%	-6%	

Direct Costs Only (Excludes All Allocated Costs Except Treatment HQ)	Fiscal Year Ending June 30								Test Year	
	2008	2009	2010	2011	2012	2013	2014	2015	2009	
	$	$	$	$	$	$	$	$	$	
Basis for Allocating Sewer Utility Liquidated Encumbrances										
Class 200 - Purchase of Services										
Class 220 - Power	11,157,900	11,719,400	12,012,300	13,441,100	15,662,400	16,837,100	18,099,800	19,457,400	11,719,400	OMtwo-7 & OMone-11
All Other Class 200	27,586,000	26,856,900	27,662,000	28,490,000	29,344,000	30,224,000	31,131,000	32,065,000	26,856,900	OMtwo-12
Subtotal Class 200	38,743,900	38,576,300	39,674,300	41,931,100	45,006,400	47,061,100	49,230,800	51,522,400	38,576,300	
Class 300 - Materials & Supplies										
Class 307 - Chemicals	4,452,300	5,268,400	5,742,500	6,259,300	6,822,700	7,436,700	8,106,100	8,835,600	5,286,200	OMone-12 & OMtwo-13
All Other Class 300	4,548,000	5,065,200	5,217,500	5,372,500	5,534,500	5,701,000	5,871,000	6,047,000	5,065,200	OMtwo-14
Subtotal Class 300	9,000,300	10,333,600	10,960,000	11,631,800	12,357,200	13,137,700	13,977,100	14,882,600	10,351,400	
Total	47,744,200	48,909,900	50,634,300	53,562,900	57,363,600	60,198,800	63,207,900	66,405,000	48,927,700	
Allocated Sewer Utility Liquidated Encumbrances										
Class 200 - Power	1,822,900	1,868,900	1,850,500	1,957,300	2,129,700	2,181,600	2,233,600	2,285,500	1,868,900	
All Other Class 200	4,506,700	4,283,100	4,261,200	4,148,800	3,990,000	3,916,100	3,841,600	3,766,400	4,283,100	
Class 307 - Chemicals	727,400	840,200	884,600	911,500	927,700	963,600	1,000,300	1,037,800	840,200	
All Other Class 300	743,000	807,800	803,700	782,400	752,600	738,700	724,500	710,300	807,800	
Total (Prorated on Above)	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	Rreq-6

Line No.		(1) Class 100 Expend. $ OMtwo-10	(2) Class 200 Expenditures Power $ OMone-11	(3) Class 200 Expenditures All Other $ OMtwo-12	(4) Class 200 Expenditures Total $ (2)+(3)	(5) Class 300 Expenditures Chemicals $ OMone-12	(6) Class 300 Expenditures All Other $ OMtwo-14	(7) Class 300 Expenditures Total $ (5)+(6)	(8) Class 400 Expend. $ OMtwo-16	Total $
		Water Utility Test Year 2009								
	OPERATIONS DIVISION									
	DIRECT COSTS									
1	Baxter Treatment Plant	2,884,200	323,200	663,800	987,000	8,403,800	544,800	8,948,600	32,300	12,852,100
2	Queen Lane Treatment Plant	2,673,000	280,000	562,000	842,000	5,668,700	654,000	6,322,700	35,000	9,872,700
3	Belmont Treatment Plant	2,499,000	178,800	338,000	516,800	4,644,600	507,000	5,151,600	43,000	8,210,400
4	Conveyance Headquarters	566,000	0	1,498,000	1,498,000	0	11,000	11,000	25,000	2,100,000
5	Load Control	1,152,000	7,379,600	601,000	7,980,600	0	116,000	116,000	52,000	9,300,600
6	Distribution	12,591,000	0	310,000	310,000	31,600	369,000	400,600	230,000	13,531,600
7	Pumping (b)	2,016,000	0	315,000	315,000	1,500	413,000	414,500	53,000	2,798,500
8	Emergency & Support Services	0	0	0	0	0	0	0	0	0
9	Subtotal	24,381,200	8,161,600	4,287,800	12,449,400	18,750,200	2,614,800	21,365,000	470,300	58,665,900
	ALLOCATED COSTS									
10	Treatment Headquarters	266,000	0	58,000	58,000	10,200	2,300	12,500	9,000	345,500
11	Machine Shops	0	0	0	0	0	0	0	0	0
12	Building Maintenance	0	0	0	0	0	0	0	0	0
13	Security	0	0	0	0	0	0	0	0	0
14	Operations Administration	1,358,000	315,100	3,157,000	3,472,100	0	39,000	39,000	29,000	4,898,100
15	Materials Management	844,000	0	131,000	131,000	17,800	4,000,800	4,018,600	9,000	5,002,600
16	Customer Service	547,000	0	2,593,000	2,593,000	0	12,700	12,700	5,000	3,157,700
17	Warranty Program	0	0	0	0	0	0	0		0
18	Meter Shop	917,000	0	119,000	119,000	0	43,500	43,500	21,000	1,100,500
19	Automotive Maintenance	0	0	0	0	0	0	0	0	0
20	Subtotal	3,932,000	315,100	6,058,000	6,373,100	28,000	4,098,300	4,126,300	73,000	14,504,400
21	Total Operations Division	28,313,200	8,476,700	10,345,800	18,822,500	18,778,200	6,713,100	25,491,300	543,300	73,170,300
	Check with OMtwo-5	OK!!	OK!! 0	OK!!	OK!!	OK!!	OK!!		OK!!	OK!!
	FRINGE BENEFITS (OMtwo-6)									
22	Human Resources									335,141
23	Finance									2,064,692
24	Planning & Engineering									2,526,819
25	Information Science & Technology									1,350,475
26	Operations									20,659,236
27	Customer Affairs									598,150
28	Department of Revenue (WRB)									2,375,065
29	Law Department									598,364
30	Subtotal									30,507,942
	INTERDEPARTMENTAL									
31	WRB Expense									7,065,340
32	All Other Expenses									9,790,067
33	FINANCE AND ADMINISTRATION									5,482,792
34	HUMAN RESOURCES									880,183
35	PLANNING & ENGINEERING									10,288,074
36	INFORMATION SCIENCE & TECHNOLOGY									3,459,810
37	CUSTOMER AFFAIRS									2,094,000
38	INDEMNITIES									2,319,900
39	Total Test Year O&M Expenditures									145,058,408
	Rounding Error Difference	28,313,200	8,476,700	10,345,800	18,822,500	18,778,200		6,713,100	543,300	73,170,300
	USE (Add to Operations Admin)	0	50	0	50	0	0	0	0	50

Reference: OMtwo-5 OMtwo-6 OMtwo-17

TABLE - 2

PROJECTED WATER UTILITY OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
1	Personal Services and Fringe Benefits	61,988	65,270	68,054	71,678	76,251	80,367	84,738	89,379	65,270
	Purchase of Services									
2	Power	6,743	7,224	7,480	8,475	10,004	10,855	11,769	12,753	7,224
3	Other	18,969	20,603	20,805	21,483	22,183	22,851	23,576	24,322	20,603
4	Warranty Program	0	0	0	0	0	0	0	0	0
5	Subtotal	25,712	27,827	28,285	29,958	32,187	33,706	35,345	37,075	27,827
	Materials and Supplies									
6	Chemicals	13,161	15,899	17,513	19,342	21,368	23,517	25,863	28,425	15,899
7	Other	6,604	7,400	7,646	7,908	8,178	8,448	8,728	9,013	7,400
8	Subtotal	19,765	23,299	25,159	27,250	29,546	31,965	34,591	37,438	23,299
9	Equipment	945	1,313	1,352	1,393	1,435	1,478	1,521	1,568	1,313
10	Indemnities	2,320	2,320	2,389	2,461	2,535	2,611	2,689	2,770	2,320
11	Interdepartmental Charges	18,797	19,829	20,400	21,142	22,072	22,884	23,732	24,617	19,829
12	Total Expenses	129,527	139,858	145,639	153,882	164,026	173,011	182,616	192,847	139,858
13	Total Expenses less Interdepartmental	110,730	120,029	125,239	132,740	141,954	150,127	158,884	168,230	120,029
Check with OMtwo-6 less Liq. Encum. (OMtwo-17)		110,730	120,030	125,239	132,739	141,954	150,127	158,884	168,229	120,030

Reference: OMtwo-8

TABLE - 7

PROJECTED WASTEWATER UTILITY OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
1	Personal Services and Fringe Benefits	91,914	96,771	100,898	106,270	113,057	119,161	125,637	132,512	96,771
	Purchase of Services									
2	Power	9,635	10,166	10,485	11,845	13,954	15,108	16,353	17,695	10,166
3	Other	42,070	44,037	44,807	46,389	48,064	49,739	51,423	53,157	44,037
4	Warranty Program	0	0	0	0	0	0	0	0	0
5	Subtotal	51,705	54,203	55,292	58,234	62,018	64,847	67,776	70,852	54,203
	Materials and Supplies									
6	Chemicals	3,740	4,446	4,877	5,369	5,918	6,498	7,133	7,828	4,446
7	Other	8,880	9,933	10,260	10,612	10,984	11,351	11,725	12,113	9,933
8	Subtotal	12,620	14,379	15,137	15,981	16,902	17,849	18,858	19,941	14,379
9	Equipment	1,376	1,933	1,991	2,050	2,112	2,175	2,241	2,307	1,933
10	Indemnities	3,950	3,950	4,069	4,191	4,316	4,446	4,579	4,717	3,950
11	Interdepartmental Charges	34,194	36,028	37,070	38,421	40,112	41,592	43,136	44,748	36,028
12	Total Expenses	195,759	207,264	214,456	225,147	238,517	250,069	262,228	275,077	207,264
13	Total Expenses less Interdepartmental	161,565	171,236	177,386	186,726	198,405	208,477	219,092	230,328	171,236
Check with OMtwo-8 less Liq. Encum. (OMtwo-18)		161,564	171,236	177,386	186,726	198,405	208,477	219,092	230,328	171,236

References: OMtwo-20 OMtwo-21

TABLE 0

PROJECTED OPERATION AND MAINTENANCE EXPENSE
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015
	Water Operations								
1	Personal Services	61,988	65,270	68,054	71,678	76,251	80,367	84,738	89,379
2	Purchased Services	25,712	27,827	28,285	29,958	32,187	33,706	35,345	37,075
3	Materials and Supplies	19,765	23,299	25,159	27,250	29,546	31,965	34,591	37,438
4	Equipment	945	1,313	1,352	1,393	1,435	1,478	1,521	1,568
5	Contributions, Indemnities, Refunds and Taxes	2,320	2,320	2,389	2,461	2,535	2,611	2,689	2,770
6	Interdepartmental Charges	18,797	19,829	20,400	21,142	22,072	22,884	23,732	24,617
7	Subtotal Operating Expenses	129,527	139,858	145,639	153,882	164,026	173,011	182,616	192,847
8	Operating Expense - Water	129,527	139,858	145,639	153,882	164,026	173,011	182,616	192,847
	Wastewater Operations								
9	Personal Services	91,914	96,771	100,898	106,270	113,057	119,161	125,637	132,512
10	Purchased Services	51,705	54,203	55,292	58,234	62,018	64,847	67,776	70,852
11	Materials and Supplies	12,620	14,379	15,137	15,981	16,902	17,849	18,858	19,941
12	Equipment	1,376	1,933	1,991	2,050	2,112	2,175	2,241	2,307
13	Contributions, Indemnities, Refunds and Taxes	3,950	3,950	4,069	4,191	4,316	4,446	4,579	4,717
14	Interdepartmental Charges	34,194	36,028	37,070	38,421	40,112	41,592	43,136	44,748
15	Subtotal Operating Expenses	195,759	207,264	214,456	225,147	238,517	250,069	262,228	275,077
16	Operating Expense - Wastewater	195,759	207,264	214,456	225,147	238,517	250,069	262,228	275,077
17	Total Operating Expense	325,286	347,122	360,095	379,029	402,543	423,080	444,844	467,924

CURRENTLY NOT IN USE

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Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Debt" worksheet develops projected debt service by utility for existing debt.

Range	Description	Page Number	Table
DBTIN	INDEX	Debt-01	
Debt1	FY 2008 Debt	Debt-02	
Debt2	FY 2009 Debt	Debt-03	
Debt3	FY 2010 Debt	Debt-04	
Debt4	FY 2011 Debt	Debt-05	
Debt5	FY 2012 Debt	Debt-06	
Debt6	FY 2013 Debt	Debt-07	
Debt7	FY 2014 Debt	Debt-08	
Debt8	FY 2015 Debt	Debt-09	
Debt9	FY 2016 Debt	Debt-10	
DBTSUM	Debt Summary	Debt-11	

		Interest Rate		
500	1 st			
513	14 th			
514	15 th			
515	16 th			
516	1993			
518A	1995			
518B	1997	4.00%	99137.0100, BD-17	4.00%
519	1998			
520	1999			
522	2001			
523	2003	4.52%	135647.0100, BD-18a	4.52%
524	2005A			
525	2005B	4.53%		4.53%
G.O.	Variable			
xxxxxxxx				

LOAN PAYMENTS BY DATE

				Water Utility				Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
				$	$	$	$	$	$	$	$	$	$	$	$
		MONTH					WATER				SEWER				
520	1999	7	520	3,039,596	2,058,822	121,060,691	5,098,418	3,079,985	2,086,179	122,669,309	5,166,164	6,119,581	4,145,001	243,730,000	10,264,582
515	16 th	8	515				0				0	0	0	0	0
517	1997	8	517	1,107,596	5,024,922	30,418,136	6,132,518	1,077,873	4,890,078	29,601,864	5,967,951	2,185,469	9,915,000	60,020,000	12,100,469
518A	1995	8	518A	73,269	2,791,200	0	2,864,469	79,375	3,023,800	0	3,103,175	152,644	5,815,000	0	5,967,644
518B	1997	8	518B	802,560	1,200,000	38,928,000	2,002,560	869,440	1,300,000	42,172,000	2,169,440	1,672,000	2,500,000	81,100,000	4,172,000
525	2005B	8	525	1,898,706	173,845	41,740,185	2,072,551	1,923,935	176,155	42,294,815	2,100,090	3,822,641	350,000	84,035,000	4,172,641
		8	527	665,051	900,800	60,360,000	1,565,851	1,413,233	1,914,200	128,265,000	3,327,433	2,078,284	2,815,000	188,625,000	4,893,284
513	14 th	10	513		10,667,200	10,667,200	10,667,200		12,932,800	12,932,800	12,932,800	0	23,600,000	23,600,000	23,600,000
514	15 th	10	514				0				0	0	0	0	0
522	2001	11	522	1,519,939	0	59,286,250	1,519,939	2,014,803	0	78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		11	528	1,067,619	28,800	49,121,600	1,096,419	2,268,691	61,200	104,383,400	2,329,891	3,336,310	90,000	153,505,000	3,426,310
516	1993	12	516	3,007,553		92,649,750	3,007,553	4,327,942		133,325,250	4,327,942	7,335,495	0	225,975,000	7,335,495
519	1998	12	519	1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	12	520				0				0	0	0	0	0
523	2003	12	523			171,244,200	0			201,025,800	0	0	0	372,270,000	0
524	2005A	1	524	3,003,567		121,060,691	3,003,567	3,043,477		122,669,309	3,043,477	6,047,044	0	243,730,000	6,047,044
515	16 th	2	515				0				0	0	0	0	0
517	1997	2	517	950,567		30,418,136	950,567	925,058		29,601,864	925,058	1,875,625	0	60,020,000	1,875,625
518A	1995	2	518A	0		0	0	0		0	0	0	0	0	0
518B	1997	2	518B	778,560		38,928,000	778,560	843,440		42,172,000	843,440	1,622,000	0	81,100,000	1,622,000
		2	525			41,740,185	0			42,294,816	0	0	0	84,035,000	0
		2	527	1,439,600		60,360,000	1,439,600	3,059,150		128,265,000	3,059,150	4,498,750	0	188,625,000	4,498,750
513	14 th	4	513			10,667,200	0			12,932,800	0	0	0	23,600,000	0
514	15 th	4	514				0				0	0	0	0	0
522	2001	5	522	1,519,939		59,286,250	1,519,939	2,014,803		78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		5	528	1,116,700		49,121,600	1,116,700	2,372,988		104,383,400	2,372,988	3,489,688	0	153,505,000	3,489,688
516	1993	6	516	3,007,621	16,633,700	76,016,050	19,641,321	4,328,040	23,936,300	109,388,950	28,264,340	7,335,662	40,570,000	185,405,000	47,905,662
519	1998	6	519	1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	6	520				0				0	0	0	0	0
523	2003	6	523	7,740,238	503,700	170,740,500	8,243,938	9,086,366	591,300	200,434,500	9,677,666	16,826,604	1,095,000	371,175,000	17,921,604
Subtotal				35,648,537	39,982,989		75,631,526	46,915,953	50,912,012		97,827,965	82,564,490	90,895,001		173,459,491
				24,428,473			44%	34,192,772			56%	58,621,245			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				35,648,537	39,982,989		75,631,526	46,915,953	50,912,012		97,827,965	82,564,490	90,895,001		173,459,491
							44%				56%				

MONTHLY SUMMARY

Month	Month Code	Water	Wastewater	Total
		$	$	$
January	1	3,003,567	3,043,477	6,047,044
February	2	3,168,727	4,827,648	7,996,375
March	3	0	0	0
April	4	0	0	0
May	5	2,636,639	4,387,790	7,024,429
June	6	29,340,188	40,035,684	69,375,872
July	7	5,098,418	5,166,164	10,264,582
August	8	14,637,948	16,668,089	31,306,037
September	9	0	0	0
October	10	10,667,200	12,932,800	23,600,000
November	11	2,616,358	4,344,694	6,961,052
December	12	4,462,481	6,421,620	10,884,101
Total		75,631,526	97,827,965	173,459,491
CHECK TOTAL		75,631,526	97,827,965	173,459,491

LOAN PAYMENTS BY DATE

				Water Utility				Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
				$	$	$	$	$	$	$	$	$	$	$	$
		MONTH					WATER				SEWER				
520	1999	7		3,003,567	2,130,843	118,929,848	5,134,410	3,043,477	2,159,157	120,510,152	5,202,634	6,047,044	4,290,000	239,440,000	10,337,044
515	16 th	8					0				0	0	0	0	0
517	1997	8		950,567	5,346,740	25,071,396	6,297,307	925,058	5,203,260	24,398,604	6,128,318	1,875,625	10,550,000	49,470,000	12,425,625
518A	1995	8		0	0	0	0	0	0	0	0	0	0	0	0
518B	1997	8		778,560	1,248,000	37,680,000	2,026,560	843,440	1,352,000	40,820,000	2,195,440	1,622,000	2,600,000	78,500,000	4,222,000
525	2005B	8		1,890,830	183,779	41,556,406	2,074,609	1,915,955	186,221	42,108,595	2,102,176	3,806,786	370,000	83,665,001	4,176,786
		8	527	1,439,600	1,376,000	58,984,000	2,815,600	3,059,150	2,924,000	125,341,000	5,983,150	4,498,750	4,300,000	184,325,000	8,798,750
513	14 th	10			10,667,200		10,667,200		12,932,800		12,932,800	0	23,600,000	0	23,600,000
514	15 th	10					0				0	0	0	0	0
522	2001	11		1,519,939		59,286,250	1,519,939	2,014,803		78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		11	528	1,116,700	62,400	49,059,200	1,179,100	2,372,988	132,600	104,250,800	2,505,588	3,489,688	195,000	153,310,000	3,684,688
516	1993	12		2,539,747		76,016,050	2,539,747	3,654,757		109,388,950	3,654,757	6,194,504	0	185,405,000	6,194,504
519	1998	12		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	12					0				0	0	0	0	0
523	2003	12				170,740,500	0			200,434,500	0	0	0	371,175,000	0
524	2005A	1		2,966,277		118,929,848	2,966,277	3,005,692		120,510,152	3,005,692	5,971,969	0	239,440,000	5,971,969
515	16 th	2					0				0	0	0	0	0
517	1997	2		783,481		25,071,396	783,481	762,456		24,398,604	762,456	1,545,937	0	49,470,000	1,545,937
518A	1995	2		0	0	0	0	0	0	0	0	0	0	0	0
518B	1997	2		753,600		37,680,000	753,600	816,400		40,820,000	816,400	1,570,000	0	78,500,000	1,570,000
		2	525			41,556,406	0			42,108,595	0	0	0	83,665,000	0
		2	527	1,412,080		58,984,000	1,412,080	3,000,670		125,341,000	3,000,670	4,412,750	0	184,325,000	4,412,750
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5		1,519,939		59,286,250	1,519,939	2,014,803		78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		5	528	1,115,452		49,059,200	1,115,452	2,370,336		104,250,800	2,370,336	3,485,788	0	153,310,000	3,485,788
516	1993	6		2,539,782	17,570,550	58,445,500	20,110,332	3,654,808	25,284,450	84,104,500	28,939,258	6,194,590	42,855,000	142,550,000	49,049,590
519	1998	6		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	6					0				0	0	0	0	0
523	2003	6		7,717,471	526,700	170,213,800	8,244,171	9,059,639	618,300	199,816,200	9,677,939	16,777,110	1,145,000	370,030,000	17,922,110
Subtotal				34,957,448	39,112,212		74,069,660	46,701,786	50,792,788		97,494,574	81,659,234	89,905,000		171,564,234
				23,816,987				34,066,352				57,883,339			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				34,957,448	39,112,212		74,069,660	46,701,786	50,792,788		97,494,574	81,659,234	89,905,000		171,564,234
							43%				57%				
															171,564,234
															0

MONTHLY SUMMARY

Month	Month Code	Water	Wastewater	Total
		$	$	$
January	1	2,966,277	3,005,692	5,971,969
February	2	2,949,161	4,579,526	7,528,687
March	3	0	0	0
April	4	0	0	0
May	5	2,635,391	4,385,138	7,020,529
June	6	29,809,431	40,710,875	70,520,306
July	7	5,134,410	5,202,634	10,337,044
August	8	13,214,076	16,409,084	29,623,160
September	9	0	0	0
October	10	10,667,200	12,932,800	23,600,000
November	11	2,699,039	4,520,390	7,219,429
December	12	3,994,675	5,748,435	9,743,110
Total		74,069,660	97,494,574	171,564,234
CHECK TOTAL		74,069,660	97,494,574	171,564,234

LOAN PAYMENTS BY DATE

				Water Utility				Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
		MONTH		$	$	$	WATER	$	$	$	SEWER	$	$	$	$
524	2005A	7		2,966,277	2,205,348	116,724,500	5,171,625	3,005,692	2,234,652	118,275,500	5,240,344	5,971,969	4,440,000	235,000,000	10,411,969
515	16 th	8					0				0	0	0	0	0
517	1997	8		783,481	5,691,364	19,380,032	6,474,845	762,456	5,538,636	18,859,968	6,301,092	1,545,937	11,230,000	38,240,000	12,775,937
518A	1995	8		0	0	0	0	0	0	0	0	0	0	0	0
518B	1997	8		753,600	1,296,000	36,384,000	2,049,600	816,400	1,404,000	39,416,000	2,220,400	1,570,000	2,700,000	75,800,000	4,270,000
525	2005B	8		1,882,505	193,713	41,362,693	2,076,218	1,907,519	196,287	41,912,308	2,103,806	3,790,025	390,000	83,275,001	4,180,025
		8	527	1,412,080	1,433,600	57,550,400	2,845,680	3,000,670	3,046,400	122,294,600	6,047,070	4,412,750	4,480,000	179,845,000	8,892,750
513	14 th	10			0		0		0		0	0	0	0	0
514	15 th	10					0				0	0	0	0	0
522	2001	11		1,519,939	0	59,286,250	1,519,939	2,014,803	0	78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		8	528	1,115,452	64,000	48,995,200	1,179,452	2,370,336	136,000	104,114,800	2,506,336	3,485,788	200,000	153,110,000	3,685,788
516	1993	12		2,045,593		58,445,500	2,045,593	2,943,658		84,104,500	2,943,658	4,989,251	0	142,550,000	4,989,251
519	1998	12		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,607	0	135,185,000	3,548,607
520	1999	12					0				0	0	0	0	0
523	2003	12				170,213,800	0			199,816,200	0	0	0	370,030,000	0
524	2005A	1		2,924,455		116,724,500	2,924,455	2,963,314		118,275,500	2,963,314	5,887,769	0	235,000,000	5,887,769
515	16 th	2					0				0	0	0	0	0
517	1997	2		605,626		19,380,032	605,626	589,374		18,859,968	589,374	1,195,000	0	38,240,000	1,195,000
518A	1995	2		0		0	0	0		0	0	0	0	0	0
518B	1997	2		727,680		36,384,000	727,680	788,320		39,416,000	788,320	1,516,000	0	75,800,000	1,516,000
		8	525			41,362,693	0			41,912,308	0	0	0	83,275,000	0
		8	527	1,383,408	0	57,550,400	1,383,408	2,939,742	0	122,294,600	2,939,742	4,323,150	0	179,845,000	4,323,150
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5		1,519,939	0	59,286,250	1,519,939	2,014,803	0	78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		5	528	1,114,172	0	48,995,200	1,114,172	2,367,616	0	104,114,800	2,367,616	3,481,788	0	153,110,000	3,481,788
516	1993	6		2,045,593	28,234,650	30,210,850	30,280,243	2,943,658	40,630,350	43,474,150	43,574,008	4,989,251	68,865,000	73,685,000	73,854,251
519	1998	6		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	6					0				0	0	0	0	0
523	2003	6		7,693,664	554,300	169,659,500	8,247,964	9,031,692	650,700	199,165,500	9,682,392	16,725,356	1,205,000	368,825,000	17,930,356
Subtotal				33,403,321	39,672,975		73,076,296	44,647,407	53,837,025		98,484,432	78,050,728	93,510,000		171,560,728
				22,345,872				32,103,475				54,449,347			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				33,403,321	39,672,975		73,076,296	44,647,407	53,837,025		98,484,432	78,050,728	93,510,000		171,560,728
							43%				57%				
													995,000		

MONTHLY SUMMARY

Month	Month Code	Water	Wastewater	Total
		$	$	$
January	1	2,924,455	2,963,314	5,887,769
February	2	1,333,306	1,377,694	2,711,000
March	3	0	0	0
April	4	0	0	0
May	5	2,634,111	4,382,418	7,016,529
June	6	39,983,135	55,350,078	95,333,213
July	7	5,171,625	5,240,344	10,411,969
August	8	16,009,203	22,118,446	38,127,649
September	9	0	0	0
October	10	0	0	0
November	11	1,519,939	2,014,803	3,534,741
December	12	3,500,522	5,037,336	8,537,858
Total		73,076,296	98,484,432	171,560,728
CHECK TOTAL		73,076,296	98,484,432	171,560,728

LOAN PAYMENTS BY DATE

				Water Utility				Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
		MONTH		$	$	$	WATER	$	$	$	SEWER	$	$	$	$
524	2005A	7		2,924,455	2,289,787	114,434,713	5,214,242	2,963,314	2,320,213	115,955,287	5,283,527	5,887,769	4,610,000	230,390,000	10,497,769
515	16 th	8					0				0	0	0	0	0
517	1997	8		605,626	6,061,328	13,318,704	6,666,954	589,374	5,898,672	12,961,296	6,488,046	1,195,000	11,960,000	26,280,000	13,155,000
518A	1995	8		0	0	0	0	0	0	0	0	0	0	0	0
518B	1997	8		727,680	1,344,000	35,040,000	2,071,680	788,320	1,456,000	37,960,000	2,244,320	1,516,000	2,800,000	73,000,000	4,316,000
525	2005B	8		1,873,730	201,164	41,161,529	2,074,894	1,898,628	203,837	41,708,471	2,102,465	3,772,358	405,001	82,870,000	4,177,359
		8	527	1,383,408	1,492,800	56,057,600	2,876,208	2,939,742	3,172,200	119,122,400	6,111,942	4,323,150	4,665,000	175,180,000	8,988,150
513	14 th	10			0		0		0		0	0	0	0	0
514	15 th	10					0				0	0	0	0	0
522	2001	11		1,519,939	0	59,286,250	1,519,939	2,014,803	0	78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		11	528	1,114,172	67,200	48,928,000	1,181,372	2,367,616	142,800	103,972,000	2,510,416	3,481,788	210,000	152,900,000	3,691,788
516	1993	12		1,057,380		30,210,850	1,057,380	1,521,595		43,474,150	1,521,595	2,578,975	0	73,685,000	2,578,975
519	1998	12		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,607	0	135,185,000	3,548,607
520	1999	12					0				0	0	0	0	0
523	2003	12				169,659,500	0			199,165,500	0	0	0	368,825,000	0
524	2005A	1		2,878,212		114,434,713	2,878,212	2,916,457		115,955,287	2,916,457	5,794,669	0	230,390,000	5,794,669
515	16 th	2					0				0	0	0	0	0
517	1997	2		416,210		13,318,704	416,210	405,041		12,961,296	405,041	821,251	0	26,280,000	821,251
518A	1995	2		0		0	0	0		0	0	0	0	0	0
518B	1997	2		700,800		35,040,000	700,800	759,200		37,960,000	759,200	1,460,000	0	73,000,000	1,460,000
		2	525	0	0	41,161,529	0	0	0	41,708,471	0	0	0	82,870,000	0
		2	527	1,353,552	0	56,057,600	1,353,552	2,876,298	0	119,122,400	2,876,298	4,229,850	0	175,180,000	4,229,850
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5		1,519,939	0	59,286,250	1,519,939	2,014,803	0	78,588,750	2,014,803	3,534,741	0	137,875,000	3,534,741
		5	528	1,112,828	0	48,928,000	1,112,828	2,364,760	0	103,972,000	2,364,760	3,477,588	0	152,900,000	3,477,588
516	1993	6		1,057,380	30,210,850	0	31,268,230	1,521,595	43,474,150	0	44,995,745	2,578,975	73,685,000	0	76,263,975
519	1998	6		1,454,929		55,425,850	1,454,929	2,093,678		79,759,150	2,093,678	3,548,606	0	135,185,000	3,548,606
520	1999	6					0				0	0	0	0	0
523	2003	6		7,668,609	579,600	169,079,900	8,248,209	9,002,281	680,400	198,485,100	9,682,681	16,670,890	1,260,000	367,565,000	17,930,890
Subtotal				30,823,777	42,246,729		73,070,506	41,131,180	57,348,272		98,479,452	71,954,957	99,595,001		171,549,958
				19,852,958				28,682,752				48,535,710			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				30,823,777	42,246,729		73,070,506	41,131,180	57,348,272		98,479,452	71,954,957	99,595,001		171,549,958
							43%				57%				
															172,120,533

MONTHLY SUMMARY

Month	Month Code	Water	Wastewater	Total
		$	$	$
January	1	2,878,212	2,916,457	5,794,669
February	2	2,470,562	4,040,539	6,511,101
March	3	0	0	0
April	4	0	0	0
May	5	2,632,767	4,379,562	7,012,329
June	6	40,971,368	56,772,103	97,743,471
July	7	5,214,242	5,283,527	10,497,769
August	8	13,689,736	16,946,773	30,636,509
September	9	0	0	0
October	10	0	0	0
November	11	2,701,311	4,525,218	7,226,529
December	12	2,512,309	3,615,273	6,127,582
Total		73,070,506	98,479,452	171,549,958
CHECK TOTAL		73,070,506	98,479,452	171,549,958

LOAN PAYMENTS BY DATE

				Water Utility					Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
		MONTH		$	$	$	WATER	$	$	$	SEWER	$	$	$	$
524	2005A	7		2,878,212	2,381,677	112,053,037	5,259,889	2,916,457	2,413,324	113,541,963	5,329,781	5,794,669	4,795,001	225,595,000	10,589,670
515	16 th	8					0				0	0	0	0	0
517	1997	8		416,210	6,451,564	6,867,140	6,867,774	405,041	6,278,436	6,682,860	6,683,477	821,251	12,730,000	13,550,000	13,551,251
518A	1995	8		0	0	0	0	0	0	0	0	0	0	0	0
518B	1997	8		700,800	1,392,000	33,648,000	2,092,800	759,200	1,508,000	36,452,000	2,267,200	1,460,000	2,900,000	70,100,000	4,360,000
525	2005B	8		1,864,617	211,098	40,950,431	2,075,715	1,889,394	213,903	41,494,568	2,103,297	3,754,011	425,001	82,444,999	4,179,012
		8	527	1,353,552	1,534,400	54,523,200	2,887,952	2,876,298	3,260,600	115,861,800	6,136,898	4,229,850	4,795,000	170,385,000	9,024,850
513	14 th	10			0		0		0		0	0	0	0	0
514	15 th	10					0				0	0	0	0	0
522	2001	11		1,519,939	5,581,400	53,704,850	7,101,339	2,014,803	7,398,600	71,190,150	9,413,403	3,534,741	12,980,000	124,895,000	16,514,741
		11	528	1,112,828	70,400	48,857,600	1,183,228	2,364,760	149,600	103,822,400	2,514,360	3,477,588	220,000	152,680,000	3,697,588
516	1993	12		0		0	0	0		0	0	0	0	0	0
519	1998	12		1,454,929	11,008,500	44,417,350	12,463,429	2,093,678	15,841,500	63,917,650	17,935,178	3,548,607	26,850,000	108,335,000	30,398,607
520	1999	12					0				0	0	0	0	0
523	2003	12				169,079,900	0			198,485,100	0	0	0	367,565,000	0
524	2005A	1		2,824,053		112,053,037	2,824,053	2,861,578		113,541,963	2,861,578	5,685,631	0	225,595,000	5,685,631
515	16 th	2					0				0	0	0	0	0
517	1997	2		214,598		6,867,140	214,598	208,839		6,682,860	208,839	423,437	0	13,550,000	423,437
518A	1995	2		0		0	0	0		0	0	0	0	0	0
518B	1997	2		672,960		33,648,000	672,960	729,040		36,452,000	729,040	1,402,000	0	70,100,000	1,402,000
		2	525	0	0	40,950,432	0	0	0	41,494,569	0	0	0	82,445,000	0
		2	527	1,315,192	0	54,523,200	1,315,192	2,794,783	0	115,861,800	2,794,783	4,109,975	0	170,385,000	4,109,975
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5		1,375,222	0	53,704,850	1,375,222	1,822,969	0	71,190,150	1,822,969	3,198,191	0	124,895,000	3,198,191
		5	528	1,111,420	0	48,857,600	1,111,420	2,361,768	0	103,822,400	2,361,768	3,473,188	0	152,680,000	3,473,188
516	1993	6		0	0	0	0	0	0	0	0	0	0	0	0
519	1998	6		1,165,955		44,417,350	1,165,955	1,677,838		63,917,650	1,677,838	2,843,793	0	108,335,000	2,843,793
520	1999	6					0				0	0	0	0	0
523	2003	6		7,642,411	18,949,700	150,130,200	26,592,111	8,971,527	22,245,300	176,239,800	31,216,827	16,613,938	41,195,000	326,370,000	57,808,938
Subtotal				27,622,899	47,580,739		75,203,637	36,747,970	59,309,263		96,057,233	64,370,869	106,890,002		171,260,871
				16,742,110				24,398,810			96,057,233	41,140,920			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				27,622,899	47,580,739		75,203,637	36,747,970	59,309,263		96,057,233	64,370,869	106,890,002		171,260,871
							44%				56%				

MONTHLY SUMMARY

Month	Month Code	Water	Wastewater	Total
		$	$	$
January	1	2,824,053	2,861,578	5,685,631
February	2	2,202,750	3,732,662	5,935,412
March	3	0	0	0
April	4	0	0	0
May	5	2,486,642	4,184,737	6,671,379
June	6	27,758,066	32,894,665	60,652,731
July	7	5,259,889	5,329,781	10,589,670
August	8	13,924,241	17,190,872	31,115,113
September	9	0	0	0
October	10	0	0	0
November	11	8,284,567	11,927,762	20,212,329
December	12	12,463,429	17,935,178	30,398,607
Total		75,203,637	96,057,233	171,260,871
CHECK TOTAL		75,203,637	96,057,233	171,260,871

LOAN PAYMENTS BY DATE

Loan #	Series	Payment Month		Water Utility Interest $	Water Utility Principal $	Water Utility Outstanding Balance $	Water Utility P&I $	Wastewater Utility Interest $	Wastewater Utility Principal $	Wastewater Utility Outstanding Balance $	Wastewater Utility P&I $	Total Water and Wastewater Interest $	Total Water and Wastewater Principal $	Total Water and Wastewater Outstanding Balance $	Total Water and Wastewater P&I $
		MONTH					WATER				SEWER				
524	2005A	7		2,824,053	2,490,951	109,562,086	5,315,004	2,861,578	2,524,050	111,017,914	5,385,628	5,685,631	5,015,000	220,580,000	10,700,631
515	16 th	8					0				0	0	0	0	0
517	1997	8		214,598	6,867,140	0	7,081,738	208,839	6,682,860	0	6,891,699	423,438	13,550,000	0	13,973,438
518A	1995	8					0				0	0	0	0	0
518B	1997	8		672,960	1,488,000	32,160,000	2,160,960	729,040	1,612,000	34,840,000	2,341,040	1,402,000	3,100,000	67,000,000	4,502,000
525	2005B	8		1,855,055	223,515	40,726,917	2,078,570	1,879,704	226,485	41,268,084	2,106,189	3,734,759	450,000	81,995,000	4,184,759
		8	527	1,315,192	2,473,600	52,049,600	3,788,792	2,794,783	5,256,400	110,605,400	8,051,183	4,109,975	7,730,000	162,655,000	11,839,975
513	14 th	10					0				0	0	0	0	0
514	15 th	10					0				0	0	0	0	0
522	2001	11		1,375,222	3,452,900	50,251,950	4,828,122	1,822,969	4,577,100	66,613,050	6,400,069	3,198,191	8,030,000	116,865,000	11,228,191
		11	528	1,111,420	72,000	48,785,600	1,183,420	2,361,768	153,000	103,669,400	2,514,768	3,473,188	225,000	152,455,000	3,698,188
516	1993	12		0	0	0	0	0	0	0	0	0	0	0	0
519	1998	12		1,165,955	14,036,350	30,381,000	15,202,305	1,677,838	20,198,650	43,719,000	21,876,488	2,843,794	34,235,000	74,100,000	37,078,794
520	1999	12					0				0	0	0	0	0
523	2003	12		0	0	150,130,200	0	0	0	176,239,800	0	0	0	326,370,000	0
524	2005A	1		2,763,158	0	109,562,086	2,763,158	2,799,874	0	111,017,914	2,799,874	5,563,031	0	220,580,000	5,563,031
515	16 th	2					0				0	0	0	0	0
517	1997	2					0				0	0	0	0	0
518A	1995	2					0				0	0	0	0	0
518B	1997	2		643,200		32,160,000	643,200	696,800		34,840,000	696,800	1,340,000	0	67,000,000	1,340,000
		2	525	0	0	40,726,917	0			41,268,084	0	0	0	81,995,000	0
		2	527	1,253,352	0	52,049,600	1,253,352	2,663,373	0	110,605,400	2,663,373	3,916,725	0	162,655,000	3,916,725
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5		1,280,267	0	50,251,950	1,280,267	1,697,099	0	66,613,050	1,697,099	2,977,366	0	116,865,000	2,977,366
		5	528	1,109,980	0	48,785,600	1,109,980	2,358,708	0	103,669,400	2,358,708	3,468,688	0	152,455,000	3,468,688
516	1993	6		0	0	0	0	0	0	0	0	0	0	0	0
519	1998	6		797,501	0	30,381,000	797,501	1,147,624	0	43,719,000	1,147,624	1,945,125	0	74,100,000	1,945,125
520	1999	6		0	0	0	0	0	0	0	0	0	0	0	0
523	2003	6		6,785,885	19,874,300	130,255,900	26,660,185	7,966,039	23,330,700	152,909,100	31,296,739	14,751,924	43,205,000	283,165,000	57,956,924
Subtotal				25,167,799	50,978,756		76,146,554	33,666,035	64,561,245		98,227,279	58,833,834	115,540,000		174,373,834
				15,210,699				22,394,452				37,605,151			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				25,167,799	50,978,756		76,146,554	33,666,035	64,561,245		98,227,279	58,833,834	115,540,000		174,373,834
							44%				56%				

MONTHLY SUMMARY

Month	Month Code	Water $	Wastewater $	Total $
January	1	2,763,158	2,799,874	5,563,031
February	2	1,896,552	3,360,173	5,256,725
March	3	0	0	0
April	4	0	0	0
May	5	2,390,247	4,055,806	6,446,054
June	6	27,457,686	32,444,363	59,902,049
July	7	5,315,004	5,385,628	10,700,631
August	8	15,110,060	19,390,111	34,500,171
September	9	0	0	0
October	10	0	0	0
November	11	6,011,542	8,914,837	14,926,379
December	12	15,202,305	21,876,488	37,078,794
Total		76,146,554	98,227,279	174,373,834
CHECK TOTAL		76,146,554	98,227,279	174,373,834

LOAN PAYMENTS BY DATE

				Water Utility					Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month		Interest	Principal	Outstanding Balance	P&I		Interest	Principal	Outstanding Balance	P&I	Interest	Principal	Outstanding Balance	P&I
		MONTH		$	$	$	WATER		$	$	$	SEWER	$	$	$	$
524	2005A	7		2,763,158	2,612,642	106,949,444	5,375,800		2,799,874	2,647,358	108,370,556	5,447,232	5,563,031	5,260,000	215,320,000	10,823,031
515	16 th	8					0					0	0	0	0	0
517	1997	8					0					0	0	0	0	0
518A	1995	8					0					0	0	0	0	0
518B	1997	8		643,200	1,536,000	30,624,000	2,179,200		696,800	1,664,000	33,176,000	2,360,800	1,340,000	3,200,000	63,800,000	4,540,000
525	2005B	8		1,844,929	7,361,094	33,365,823	9,206,023		1,869,444	7,458,906	33,809,178	9,328,350	3,714,374	14,820,000	67,175,000	18,534,374
		8	527	1,253,352	2,600,000	49,449,600	3,853,352		2,663,373	5,525,000	105,080,400	8,188,373	3,916,725	8,125,000	154,530,000	12,041,725
513	14 th	10					0					0	0	0	0	0
514	15 th	10					0					0	0	0	0	0
522	2001	11		1,280,267	3,644,250	46,607,700	4,924,517		1,697,099	4,830,750	61,782,300	6,527,849	2,977,366	8,475,000	108,390,000	11,452,366
		11	528	1,109,980	75,200	48,710,400	1,185,180		2,358,708	159,800	103,509,600	2,518,508	3,468,688	235,000	152,220,000	3,703,688
516	1993	12					0					0	0	0	0	0
519	1998	12		797,501	14,790,750	15,590,250	15,588,251		1,147,624	21,284,250	22,434,750	22,431,874	1,945,125	36,075,000	38,025,000	38,020,125
520	1999	12					0					0	0	0	0	0
523	2003	12		0	0	130,255,900	0		0	0	152,909,100	0	0	0	283,165,000	0
524	2005A	1		2,694,781	0	106,949,444	2,694,781		2,730,588	0	108,370,556	2,730,588	5,425,369	0	215,320,000	5,425,369
515	16 th	2					0					0	0	0	0	0
517	1997	2					0					0	0	0	0	0
518A	1995	2					0					0	0	0	0	0
518B	1997	2		612,480		30,624,000	612,480		663,520		33,176,000	663,520	1,276,000	0	63,800,000	1,276,000
		2	525			33,365,823	0				33,809,178	0	0	0	67,175,000	0
		2	527				0					0	0	0	0	0
513	14 th	4		1,188,352	0	49,449,600	1,188,352		2,525,248	0	105,080,400	2,525,248	3,713,600	0	154,530,000	3,713,600
514	15 th	4					0					0	0	0	0	0
522	2001	5		1,184,606	0	46,607,700	1,184,606		1,570,292	0	61,782,300	1,570,292	2,754,898	0	108,390,000	2,754,898
		5	528	1,108,476	0	48,710,400	1,108,476		2,355,512	0	103,509,600	2,355,512	3,463,988	0	152,220,000	3,463,988
516	1993	6					0					0	0	0	0	0
519	1998	6		409,244	0	15,590,250	409,244		588,912	0	22,434,750	588,912	998,156	0	38,025,000	998,156
520	1999	6					0					0	0	0	0	0
523	2003	6		5,887,567	20,840,300	109,415,600	26,727,867		6,911,491	24,464,700	128,444,400	31,376,191	12,799,058	45,305,000	237,860,000	58,104,058
Subtotal				22,777,893	53,460,236		76,238,129		30,578,483	68,034,764		98,613,247	53,356,377	121,495,000		174,851,377
				13,789,717					20,437,228				34,226,945			
		MONTH					WATER					SEWER				
G.O.	Variable						0					0	0	0	0	0
G.O.	Variable						0					0	0	0	0	0
Subtotal				0	0		0		0	0		0	0	0		0
Total				22,777,893	53,460,236		76,238,129		30,578,483	68,034,764		98,613,247	53,356,377	121,495,000		174,851,377
							44%					56%				

MONTHLY SUMMARY

Month	Month Code	Water $	Wastewater $	Total $
January	1	2,694,781	2,730,588	5,425,369
February	2	612,480	663,520	1,276,000
March	3	0	0	0
April	4	1,188,352	2,525,248	3,713,600
May	5	2,293,082	3,925,803	6,218,885
June	6	27,137,111	31,965,104	59,102,214
July	7	5,375,800	5,447,232	10,823,031
August	8	15,238,575	19,877,523	35,116,099
September	9	0	0	0
October	10	0	0	0
November	11	6,109,697	9,046,356	15,156,054
December	12	15,588,251	22,431,874	38,020,125
Total		76,238,129	98,613,247	174,851,377
CHECK TOTAL		76,238,129	98,613,247	174,851,377

To use estimated debt service here based on the previous year's P&I, input 1 here. To use actual debt service from above, input 2 here.

INPUT: 2

LOAN PAYMENTS BY DATE

Loan #	Series	Payment Month		Water Utility Interest $	Water Utility Principal $	Water Utility Outstanding Balance $	Water Utility P&I $	Wastewater Utility Interest $	Wastewater Utility Principal $	Wastewater Utility Outstanding Balance $	Wastewater Utility P&I $	Total Water and Wastewater Interest $	Total Water and Wastewater Principal $	Total Water and Wastewater Outstanding Balance $	Total Water and Wastewater P&I $
		MONTH					WATER				SEWER				
524	2005A	7					0				0	0	0	0	0
515	16 th	8					0				0	0	0	0	0
517	1997	8					0				0	0	0	0	0
518A	1995	8					0				0	0	0	0	0
518B	1997	8		0			0	0			0	0	0	0	0
525	2005B	8		0			0	0			0	0	0	0	0
		8	527				0				0	0	0	0	0
513	14 th	10					0				0	0	0	0	0
514	15 th	10					0				0	0	0	0	0
522	2001	11					0				0	0	0	0	0
		11	528				0				0	0	0	0	0
516	1993	12					0				0	0	0	0	0
519	1998	12					0				0	0	0	0	0
520	1999	12					0				0	0	0	0	0
523	2003	12					0				0	0	0	0	0
524	2005A	1					0				0	0	0	0	0
515	16 th	2					0				0	0	0	0	0
517	1997	2					0				0	0	0	0	0
518A	1995	2					0				0	0	0	0	0
518B	1997	2		0			0	0			0	0	0	0	0
		2	525				0				0	0	0	0	0
		2	527				0				0	0	0	0	0
513	14 th	4					0				0	0	0	0	0
514	15 th	4					0				0	0	0	0	0
522	2001	5					0				0	0	0	0	0
		5	528				0				0	0	0	0	0
516	1993	6					0				0	0	0	0	0
519	1998	6					0				0	0	0	0	0
520	1999	6					0				0	0	0	0	0
523	2003	6		0			0	0			0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
				0				0				0			
		MONTH					WATER				SEWER				
G.O.	Variable						0				0	0	0	0	0
G.O.	Variable						0				0	0	0	0	0
Subtotal				0	0		0	0	0		0	0	0		0
Total				0	0		0	0	0		0	0	0		0

MONTHLY SUMMARY

Month	Month Code	Water $	Wastewater $	Total $
January	1	2,694,781	2,730,588	5,425,369
February	2	612,480	663,520	1,276,000
March	3	0	0	0
April	4	1,188,352	2,525,248	3,713,600
May	5	2,293,082	3,925,803	6,218,885
June	6	27,137,111	31,965,104	59,102,214
July	7	5,375,800	5,447,232	10,823,031
August	8	15,238,575	19,877,523	35,116,099
September	9	0	0	0
October	10	0	0	0
November	11	6,109,697	9,046,356	15,156,054
December	12	15,588,251	22,431,874	38,020,125
Total		76,238,129	98,613,247	174,851,377
CHECK TOTAL		0	0	0 <==ERROR

To use estimated debt service here based on the previous year's P&I, input 1 here. To use actual debt service from above, input 2 here.

INPUT: 1

LOAN PAYMENTS BY DATE

			Water Utility				Wastewater Utility				Total Water and Wastewater			
Loan #	Series	Payment Month	Interest $	Principal $	Outstanding Balance $	P&I $	Interest $	Principal $	Outstanding Balance $	P&I $	Interest $	Principal $	Outstanding Balance $	P&I $
		MONTH				WATER				SEWER				
524	2005A	7				0				0	0	0	0	0
515	16 th	8				0				0	0	0	0	0
517	1997	8				0				0	0	0	0	0
518A	1995	8				0				0	0	0	0	0
518B	1997	8	0			0	0			0	0	0	0	0
525	2005B	8	0			0	0			0	0	0	0	0
		8	527			0				0	0	0	0	0
513	14 th	10				0				0	0	0	0	0
514	15 th	10				0				0	0	0	0	0
522	2001	11				0				0	0	0	0	0
		11	528			0				0	0	0	0	0
516	1993	12				0				0	0	0	0	0
519	1998	12				0				0	0	0	0	0
520	1999	12				0				0	0	0	0	0
523	2003	12				0				0	0	0	0	0
524	2005A	1				0				0	0	0	0	0
515	16 th	2				0				0	0	0	0	0
517	1997	2				0				0	0	0	0	0
518A	1995	2				0				0	0	0	0	0
518B	1997	2	0			0	0			0	0	0	0	0
		2	525			0				0	0	0	0	0
		2	527			0				0	0	0	0	0
513	14 th	4				0				0	0	0	0	0
514	15 th	4				0				0	0	0	0	0
522	2001	5				0				0	0	0	0	0
		5	528			0				0	0	0	0	0
516	1993	6				0				0	0	0	0	0
519	1998	6				0				0	0	0	0	0
520	1999	6				0				0	0	0	0	0
523	2003	6	0			0	0			0	0	0	0	0
Subtotal			0	0		0	0	0		0	0	0		0
		MONTH				WATER				SEWER				
G.O.	Variable					0				0	0	0	0	0
G.O.	Variable					0				0	0	0	0	0
Subtotal			0	0		0	0	0		0	0	0		0
Total			0	0		0	0	0		0	0	0		0

MONTHLY SUMMARY

Month	Month Code	Water $	Wastewater $	Total $
January	1	2,694,781	2,730,588	5,425,369
February	2	612,480	663,520	1,276,000
March	3	0	0	0
April	4	1,188,352	2,525,248	3,713,600
May	5	2,293,082	3,925,803	6,218,885
June	6	27,137,111	31,965,104	59,102,214
July	7	5,375,800	5,447,232	10,823,031
August	8	15,238,575	19,877,523	35,116,099
September	9	0	0	0
October	10	0	0	0
November	11	6,109,697	9,046,356	15,156,054
December	12	15,588,251	22,431,874	38,020,125
Total		76,238,129	98,613,247	174,851,377
CHECK TOTAL		0	0	0 <==ERROR

To use estimated debt service here based on the previous year's P&I, input 1 here. To use actual debt service from above, input 2 here.

INPUT: 1

WATER SUMMARY

Month	Month Code	2008 $ Debt-02	2009 $ Debt-03	2010 $ Debt-04	2011 $ Debt-05	2012 $ Debt-06	2013 $ Debt-07	2014 $ Debt-08	2015 $ Debt-09	2016 $ Debt-10
January	1	3,003,567	2,966,277	2,924,455	2,878,212	2,824,053	2,763,158	2,694,781	2,694,781	2,694,781
February	2	3,168,727	2,949,161	1,333,306	2,470,562	2,202,750	1,896,552	612,480	612,480	612,480
March	3	0	0	0	0	0	0	0	0	0
April	4	0	0	0	0	0	0	1,188,352	1,188,352	1,188,352
May	5	2,636,639	2,635,391	2,634,111	2,632,767	2,486,642	2,390,247	2,293,082	2,293,082	2,293,082
June	6	29,340,188	29,809,431	39,983,135	40,971,368	27,758,066	27,457,686	27,137,111	27,137,111	27,137,111
July	7	5,098,418	5,134,410	5,171,625	5,214,242	5,259,889	5,315,004	5,375,800	5,375,800	5,375,800
August	8	14,637,948	13,214,076	16,009,203	13,689,736	13,924,241	15,110,060	15,238,575	15,238,575	15,238,575
September	9	0	0	0	0	0	0	0	0	0
October	10	10,667,200	10,667,200	0	0	0	0	0	0	0
November	11	2,616,358	2,699,039	1,519,939	2,701,311	8,284,567	6,011,542	6,109,697	6,109,697	6,109,697
December	12	4,462,481	3,994,675	3,500,522	2,512,309	12,463,429	15,202,305	15,588,251	15,588,251	15,588,251
Total		75,631,526	74,069,660	73,076,296	73,070,506	75,203,637	76,146,554	76,238,129	76,238,129	76,238,129
General Obligation Bonds Only		0	0	0	0	0	0	0	0	0

WASTEWATER SUMMARY

Month	Month Code		2008 $ Debt-02	2009 $ Debt-03	2010 $ Debt-04	2011 $ Debt-05	2012 $ Debt-06	2013 $ Debt-07	2014 $ Debt-08	2015 $ Debt-09	2016 $ Debt-10
January	1		3,043,477	3,005,692	2,963,314	2,916,457	2,861,578	2,799,874	2,730,588	2,730,588	2,730,588
February	2		4,827,648	4,579,526	1,377,694	4,040,539	3,732,662	3,360,173	663,520	663,520	663,520
March	3		0	0	0	0	0	0	0	0	0
April	4		0	0	0	0	0	0	2,525,248	2,525,248	2,525,248
May	5		4,387,790	4,385,138	4,382,418	4,379,562	4,184,737	4,055,806	3,925,803	3,925,803	3,925,803
June	6		40,035,684	40,710,875	55,350,078	56,772,103	32,894,665	32,444,363	31,965,104	31,965,104	31,965,104
July	7		5,166,164	5,202,634	5,240,344	5,283,527	5,329,781	5,385,628	5,447,232	5,447,232	5,447,232
August	8		16,668,089	16,409,084	22,118,446	16,946,773	17,190,872	19,390,111	19,877,523	19,877,523	19,877,523
September	9		0	0	0	0	0	0	0	0	0
October	10		12,932,800	12,932,800	0	0	0	0	0	0	0
November	11		4,344,694	4,520,390	2,014,803	4,525,218	11,927,762	8,914,837	9,046,356	9,046,356	9,046,356
December	12		6,421,620	5,748,435	5,037,336	3,615,273	17,935,178	21,876,488	22,431,874	22,431,874	22,431,874
Total		44%	97,827,965	97,494,574	98,484,432	98,479,452	96,057,233	98,227,279	98,613,247	98,613,247	98,613,247
General Obligation Bonds Only			0	0	0	0	0	0	0	0	0

TOTAL WATER AND WASTEWATER

Month	Month Code	2008 $	2009 $	2010 $	2011 $	2012 $	2013 $	2014 $	2015 $	2016 $
January	1	6,047,044	5,971,969	5,887,769	5,794,669	5,685,631	5,563,031	5,425,369	5,425,369	5,425,369
February	2	7,996,375	7,528,687	2,711,000	6,511,101	5,935,412	5,256,725	1,276,000	1,276,000	1,276,000
March	3	0	0	0	0	0	0	0	0	0
April	4	0	0	0	0	0	0	3,713,600	3,713,600	3,713,600
May	5	7,024,429	7,020,529	7,016,529	7,012,329	6,671,379	6,446,054	6,218,885	6,218,885	6,218,885
June	6	69,375,872	70,520,306	95,333,213	97,743,471	60,652,731	59,902,049	59,102,214	59,102,214	59,102,214
July	7	10,264,582	10,337,044	10,411,969	10,497,769	10,589,670	10,700,631	10,823,031	10,823,031	10,823,031
August	8	31,306,037	29,623,160	38,127,649	30,636,509	31,115,113	34,500,171	35,116,099	35,116,099	35,116,099
September	9	0	0	0	0	0	0	0	0	0
October	10	23,600,000	23,600,000	0	0	0	0	0	0	0
November	11	6,961,052	7,219,429	3,534,741	7,226,529	20,212,329	14,926,379	15,156,054	15,156,054	15,156,054
December	12	10,884,101	9,743,110	8,537,858	6,127,582	30,398,607	37,078,794	38,020,125	38,020,125	38,020,125
Total		173,459,491	171,564,234	171,560,728	171,549,958	171,260,871	174,373,834	174,851,377	174,851,377	174,851,377
General Obligation Bonds On		0	0	0	0	0	0	0	0	0

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

The "Rreq" worksheet summarizes the projected capital improvement program, develops capital improvement program financing, summarizes revenue requirements, and develops projected cash flows on a combined and individual basis for the Water and Sewer utilities.

Range	Description	Page Number	Table
RreqIN	INDEX	Rreq-1	
RreqIMP	Input Parameters	Rreq-2	
WRER	Projected Water Revenue Under Existing Rates	Rreq-3	
SRER	Projected Sewer Revenue Under Existing Rates	Rreq-4	
EDBT	Existing Debt Service Excluding Penn Vest Loans	Rreq-5	
POME	Projected O&M Expenditures	Rreq-6	
CIP	Capital Improvement Program	Rreq-7	
NCFR	Net Cash Financing Required	Rreq-8	
CCIP	Projected Water and Sewer CIP	Rreq-9	
WCIP	Projected Water Utility CIP	Rreq-10	Tbls-3
SCIP	Projected Sewer Utility CIP	Rreq-11	Tbls-8
CFOF	Capital Flow of Funds	Rreq-12	
WFOF	Water CIP Flow of Funds	Rreq-13	Tbls-4
SFOF	Sewer CIP Flow of Funds	Rreq-14	Tbls-9
CONST	Interest Earnings on Construction Fund	Rreq-15	
DBTRSV	Interest Earnings on Debt Service Reserve Fund	Rreq-16	
OPER	Interest Earnings on Operating Fund	Rreq-17	
RESID	Interest Earnings on Residual Fund	Rreq-18	
RTSTBL	Interest Earnings on Rate Stabilization Fund	Rreq-19	
NBR	Detail of Non-Bond Sources	Rreq-20	
ONOI	Other Non Operating Income	Rreq-21	
CCF	Cashflow - Water & Sewer Combined	Rreq-22	Tbls-11
WCF	Water Cashflow	Rreq-23	Tbls-12
SCF	Sewer Cashflow	Rreq-24	Tbls-13
WDBT	Water Existing & Proposed Water Debt Service	Rreq-25	Tbls-5
SDBT	Sewer Existing & Proposed Water Debt Service	Rreq-26	Tbls-10
WCOS	Test Year Water Cost of Service	Rreq-27	Tbls-14
SCOS	Test Year Sewer Cost of Service	Rreq-28	Tbls-26
WPTR	Water Utility Receipts Under Existing Rates	Rreq-29	Tbls-1
SPTR	Sewer Utility Receipts Under Existing Rates	Rreq-30	Tbls-6
ACFR	Annual Cash Financing Requirements	Rreq-31	
DIFFERENCE	Combined Less Individual Cash Flows	Rreq-32	
CFMETHOD	Cash Flow Revenue Increase Methodology	Rreq-33	

		Estimated Beginning Balance June 30, 2007 $1,000 BD-16a & BD-21	Water Utility Balance $1,000 Estimated	Wastewater Utility Balance $1,000 Calculated	Interest Earning Rates %		Estimated Beginning Balance June 30, 2008 $1,000 BD-16a & BD-21	Water Utility Balance $1,000 Estimated	Wastewater Utility Balance $1,000 Calculated	2009 Interest Earning Rates %	2010 Interest Earning Rates %	2011 Interest Earning Rates %	2012 Interest Earning Rates %	2013 Interest Earning Rates %	2014 Interest Earning Rates %	2015 Interest Earning Rates %
Construction Fund	x	158,867	53,886	104,981	2.0%	x	0	0.00	0	2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
Debt Reserve Fund	x	183,592			2.0%	x	0			2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
Operating Fund	x	24,152	12,076	12,076	2.0%	x	0	0	0	2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
Residual Fund	0	11,341	3,847	7,494	2.0%	a+_	0	0	0	2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
Rate Stabilization Fund		185,069	93,034	92,034	2.0%	Adjustments	0	0	0	2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	2.5%
Short-term interest rate (Capitalized Interest Earnings)					2.0%											
Working Capital Balance			Operating Fund balance (above) of $24,152 constitutes working capital.													
CIP Inflation Rate	4.0%															

	2008	2009	2010	2011	2012	2013	2014	2015
Annual Debt Service Savings due to refunding =	0	0	0	0	0	0	0	0

			Fiscal Year Ending June 30							
			2008 $1,000	2009 $1,000	2010 $1,000	2011 $1,000	2012 $1,000	2013 $1,000	2014 $1,000	2015 $1,000
Projected Penn Vest Loans Revenue Bonds										
Water										
Sewer										
Total			0	0	0	0	0	0	0	0
Projected Penn Vest Debt Service on Existing & Proposed Penn Vest Loans										
Water	Existing GO Bonds	PN 99137 BD-21	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227
	Existing Revenue Bonds	PN 99137 BD-21	384	384	384	384	384	384	384	384
	Proposed Revenue Bonds									
	Total		1,611	1,611	1,611	1,611	1,611	1,611	1,611	1,611
Sewer	Existing GO Bonds									
	Existing Revenue Bonds									
	Proposed Revenue Bonds									
	Total		0	0	0	0	0	0	0	0

Reference	Line No.	Description	(1) 2008 $1,000	(2) 2009 $1,000	(3) 2010 $1,000	(4) 2011 $1,000	(5) 2012 $1,000	(6) 2013 $1,000	(7) 2014 $1,000	(8) 2015 $1,000
			Fiscal Year Ending June 30							
		SERVICE REVENUE								
		Metered Sales to Gen'l. Customers								
Wrev-6	1	Total	158,142	156,448	154,572	152,619	150,667	148,788	146,921	145,058
Wrev-6	2	Less Bucks County & Aqua PA	7,549	7,056	7,011	7,011	7,011	7,011	7,011	7,011
	3	Total Less Bucks County & Aqua PA	150,593	149,392	147,561	145,608	143,656	141,777	139,910	138,047
		Municipal Service								
Wrev-6	4	Water sales + Misc. Municipal	5,963	7,522	7,522	7,522	7,522	7,522	7,522	7,522
Wrev-6	5	Public Fire	7,248	6,986	6,986	6,986	6,986	6,986	6,986	6,986
	6	Subtotal	13,211	14,508	14,508	14,508	14,508	14,508	14,508	14,508
Wrev-6	7	Private Fire Protection	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688
		Contract Service								
Line 2	8	B&V Original Projections	7,549	7,056	7,011	7,011	7,011	7,011	7,011	7,011
		Contract Service Adjustments:								
	9	Bucks County								
	10	xxxxxxxxxx								
	11	xxxxxxxxxx								
	12	xxxxxxxxxx								
	13	xxxxxxxxxx								
	14	xxxxxxxxxx								
	15	xxxxxxxxxx								
	16	xxxxxxxxxx								
	17	xxxxxxxxxx								
	18	Revised Projection	7,549	7,056	7,011	7,011	7,011	7,011	7,011	7,011
	19	Total Water Service Revenue Under Existing Rates	173,041	172,644	170,768	168,815	166,863	164,984	163,117	161,254
Wrev-7	20	OTHER OPERATING REVENUE	7,129	7,072	7,023	6,975	6,927	6,880	6,834	6,788

Reference	Line No.	Description	(1) 2008 $1,000	(2) 2009 $1,000	(3) 2010 $1,000	(4) 2011 $1,000	(5) 2012 $1,000	(6) 2013 $1,000	(7) 2014 $1,000	(8) 2015 $1,000	Test Year
			Fiscal Year Ending June 30								
		SERVICE REVENUE									
Cust-27	1	Metered Sales to Gen'l. Customers	256,245	255,850	254,339	252,581	250,817	249,118	247,433	245,749	
Cust-27	2	Municipal Service + Fire Meters	12,928	14,487	14,487	14,487	14,487	14,487	14,487	14,487	
		Contract Service									
Cust-27	3	B&V Original Projections	25,239	25,282	25,305	25,305	23,259	23,259	23,259	23,259	
		Contract Service Adjustments:									
	4	Bucks County									0
	5	Delcora									0
	6	Upper Darby									0
	7	Lower Merion									0
	8	xxxxxxxxxx									0
	9	xxxxxxxxxx									0
	10	xxxxxxxxxx									0
	11	xxxxxxxxxx									0
	12	xxxxxxxxxx									0
	13	Revised Projection	25,239	25,282	25,305	25,305	23,259	23,259	23,259	23,259	
Cust-27	14	Extra Strength Surcharge	4,658	4,562	4,460	4,358	4,257	4,155	4,053	3,952	
	15	Total Sewer Service Revenue Under Existing Rates	299,070	300,181	298,591	296,731	292,820	291,019	289,232	287,447	
Cust-27	16	OTHER OPERATING REVENUE	9,880	9,840	9,797	9,753	9,709	9,667	9,626	9,584	

Reference	Existing Debt Service Excluding Penn Vest Loans	Fiscal Year Ending June 30							
		2008	2009	2010	2011	2012	2013	2014	2015
		$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000
	WATER								
Debt-11	General Obligation Bonds	0	0	0	0	0	0	0	0
Debt-11	Total Existing Water Debt Service	75,632	74,070	73,076	73,071	75,204	76,147	76,238	76,238
	SEWER								
Debt-11	General Obligation Bonds	0	0	0	0	0	0	0	0
Debt-11	Total Existing Sewer Debt Service	97,828	97,495	98,484	98,479	96,057	98,227	98,613	98,613
	WATER & SEWER								
	Existing Debt Service excluding General Obligation Bonds	173,460	171,565	171,560	171,550	171,261	174,374	174,851	174,851
	General Obligation Bonds	0	0	0	0	0	0	0	0
	Total Existing W & WW Debt Service (Excl. Penn Vest)	173,460	171,565	171,560	171,550	171,261	174,374	174,851	174,851

Reference: Series 2007 OS (p. 49) references adjustment in budget

Reference	Line No.		(1) 2008 $	(2) 2009 $	(3) 2010 $	(4) 2011 $	(5) 2012 $	(6) 2013 $	(7) 2014 $	(8) 2015 $	(9) Test Year 2009
			Fiscal Year Ending June 30								
		O&M EXPENDITURES:									
OMtwo-6	1	Water Dept. Exp. less Interdept.	115,929,651	125,229,572	130,439,376	137,939,412	147,153,710	155,326,776	164,084,386	173,429,449	125,229,572
OMtwo-6	2	Water Dept. Interdepartmental	18,797,246	19,828,836	20,400,403	21,142,376	22,071,651	22,884,335	23,732,148	24,616,927	19,828,836
OMtwo-8	3	Sewer Dept. Exp. less Interdept.	169,364,349	179,036,028	185,186,324	194,525,838	206,205,190	216,277,024	226,892,114	238,128,151	179,036,028
OMtwo-8	4	Sewer Dept. Interdepartmental	34,193,754	36,027,564	37,070,097	38,421,224	40,111,649	41,591,865	43,136,252	44,748,173	36,027,564
	5	Subtotal W&S Dept. Exp. less Inter.	285,294,000	304,265,600	315,625,700	332,465,250	353,358,900	371,603,800	390,976,500	411,557,600	304,265,600
	6	Subtotal W&S Dept. Interdept.	52,991,000	55,856,400	57,470,500	59,563,600	62,183,300	64,476,200	66,868,400	69,365,100	55,856,400
		ADJUSTMENTS TO O&M EXPENDITURES:									
	7	Water Dept. Liq. Encumbrances (a)	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000	5,200,000
	8	Sewer Dept. Liq. Encumbrances	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000
	9	Total Liquidated Encumbrances	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000
	10	Water Dept. Early Liq. of Encumb.									0
	11	Sewer Dept. Early Liq. of Encumb.									0
	12	Total Early Liq. of Encumb.	0	0	0	0	0	0	0	0	0

(a) Water portion of Liquidated Encumbrances 40.0% FY 2004 rate study

Reference: BD-17

		Fiscal Year Ending June 30										
		2008	2009	2010	2011	2012	2013	2014	2015	Total		
		$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000			
Waterworks Improvements												
Engineering and Administration	x	9,520	9,996	9,996	9,996	9,996	9,996	9,996	9,996	79,492	Prorate 46% w and 54% ww	Input at FY 2009 budget levels
Water Treatment Plant Improvements	x	18,480	18,480	18,480	18,480	18,480	18,480	18,480	18,480	147,840	Prorate 44% w and 56% ww	
Pumping Station Improvements										0		
Mains										0		
Filtered Water Storage										0		
Load Control Center Expansion										0		
Distribution System Rehabilitation	x	21,980	21,980	21,980	21,980	21,980	21,980	21,980	21,980	175,840		
Large Meter Replacement										0		
Vehicles	x	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	12,000	Prorate 50% w and 50% ww based on FY 2004 rate study	
Other										0		
Subtotal		51,480	51,956	51,956	51,956	51,956	51,956	51,956	51,956	415,172		
Wastewater Collection and Treatment												
Pollution Abatement Program	NOT IN USE?											
Southeast WPCP	NOT IN USE?											
Northeast WPCP	NOT IN USE?											
Southwest WPCP	NOT IN USE?											
Engineering and Administration												
Other Water Pollution Control Plant Improvements	x	23,520	23,520	23,520	23,520	23,520	23,520	23,520	23,520	188,160	Prorate 44% w and 56% ww based on FY 2004 rate study	
Intercepting Chambers and Storm Overflow										0		
Enterprise Avenue Landfill Closure										0		
Other										0		
Subtotal		23,520	23,520	23,520	23,520	23,520	23,520	23,520	23,520	188,160		
Sewers and Drainage												
Engineering and Administration	x	11,175	11,734	11,734	11,734	11,734	11,734	11,734	11,734	93,313	Prorate 46% w and 54% ww	Input at FY 2009 budget levels
Sewer Construction										0		
Storm Flood Relief	x	25,000	30,000	40,000	50,000	55,000	60,000	60,000	60,000	380,000		
Reconstruction of Old Sewers	x	29,550	26,540	23,520	22,760	22,760	22,760	22,760	22,760	193,410		
Unused										0		
Vehicles	x	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	12,000	Prorate 50% w and 50% ww based on FY 2004 rate study	
Other										0		
Subtotal		67,225	69,774	76,754	85,994	90,994	95,994	95,994	95,994	678,723		
Total Improvements less Pollution Abatement Program		142,225	145,250	152,230	161,470	166,470	171,470	171,470	171,470	1,282,055		
Inflation Adjustment		0	0	6,089	13,176	20,786	29,126	37,149	45,494	151,820		
Inflated Total		142,225	145,250	158,319	174,646	187,256	200,596	208,619	216,964	1,433,875		
Total Capital Improvements		142,225	145,250	158,319	174,646	187,256	200,596	208,619	216,964	1,433,875		

Prorate cash flow requirements to water and wastewater on the basis of water and wastewater CIP encumbrance requirements above.

Reconciliation of CIP with Annual Cash Requirements

	Fiscal Year Ending June 30							
	2008	2009	2010	2011	2012	2013	2014	2015
	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000
Water Utility								
Total CIP Requirements (Inflated)	51,480	51,956	54,034	56,196	58,443	60,781	63,212	65,741
Net Cash Requirements	43,508	43,997	46,075	47,300	49,625	51,814	55,450	59,086
	36.20%	35.77%	34.13%	32.18%	31.21%	30.30%	30.30%	30.30%
Sewer Utility								
Total CIP Requirements	90,745	93,294	104,285	118,450	128,813	139,815	145,407	151,223
Net Cash Requirements	76,692	79,003	88,925	99,700	109,375	119,186	127,550	135,914
	63.80%	64.23%	65.87%	67.82%	68.79%	69.70%	69.70%	69.70%
Total Net Cash Requirements	120,200	123,000	135,000	147,000	159,000	171,000	183,000	195,000
	10,017	10,250	11,250	12,250	13,250	14,250	15,250	16,250

Total: 1,233,200

Reference			Fiscal Year Ending June 30									
			2008	2009	2010	2011	2012	2013	2014	2015		
			$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000		
	Water Utility											
Rreq-7	Total CIP Requirements (a)	NOT IN USE										
	Plus Other CIP Not Included in C	NOT IN USE										
	xxxxxxxxxx	NOT IN USE										
	xxxxxxxxxx	NOT IN USE										
	xxxxxxxxxx	NOT IN USE										
Rreq-7	Inflation Adjustments (b)	NOT IN USE										
	Inflated CIP Requirements		43,508	43,997	46,075	47,300	49,624	51,813	55,449	59,086		
	Less Financing Available from Sources Other Than Bonds											
Rreq-20	Capital Account Deposit, Grants, and Assessments		7,630	7,798	7,966	8,134	8,301	8,469	8,637	8,804		
Rreq-2	Penn Vest Loan		0	0	0	0	0	0	0	0		
Rreq-23	Transfer from Residual Fund		6,100	6,200	7,800	7,500	7,500	7,600	7,200	7,000		
	Total Financing from Sources Other Than Bonds		13,730	13,998	15,766	15,634	15,801	16,069	15,837	15,804		
	Balance to Be Financed from Bonds		29,778	29,999	30,309	31,666	33,823	35,744	39,612	43,282		
	Cash Flow Adjustment (c)											
Rreq-7	Net Cash Requirements to be Met from Bonds and R&R		29,778	29,999	30,309	31,666	33,823	35,744	39,612	43,282	274,213	29.6463%
	Sewer Utility											
Rreq-7	Total CIP Requirements (Non WPAP) (a)	NOT IN USE										
	Plus Other CIP Not Included in Capital Budget (incl. Inf	NOT IN USE										
	NPDES, Stormwater, CSO	NOT IN USE										
	xxxxxxxxxx	NOT IN USE										
	xxxxxxxxxx	NOT IN USE										
Rreq-7	Inflation Adjustments (b)	NOT IN USE										
Rreq-7	WPAP CIP (d)	NOT IN USE	0	0	0	0	0	0	0	0		
	Inflated CIP Requirements		76,692	79,003	88,925	99,700	109,376	119,187	127,551	135,914		
	Less Financing Available from Sources Other Than Bonds											
Rreq-20	Capital Account Deposit, Grants, and Assessments		10,158	10,381	10,604	10,827	11,051	11,274	11,497	11,721		
Rreq-2	Penn Vest Loan		0	0	0	0	0	0	0	0		
Rreq-24	Transfer from Residual Fund		8,900	9,800	14,200	13,500	12,500	13,400	12,800	13,000		
	Total Financing from Sources Other Than Bonds		19,058	20,181	24,804	24,327	23,551	24,674	24,297	24,721		
	Balance to Be Financed		57,634	58,822	64,121	75,373	85,825	94,513	103,254	111,193		
	Cash Flow Adjustment											
Rreq-7	Net Cash Requirements to be met from Bonds and R&R		57,634	58,822	64,121	75,373	85,825	94,513	103,254	111,193	650,735	70.3537%
											924,948	
	Cumulative Water Balance to be Financed from Bonds		274,213	29.646%								
	Cumulative Sewer Balance to be Financed from Bonds		650,735	70.354%								

(a) Includes Capital Account financed improvements.
(b) 4.00% per year beginning in FY 2009.
(c) Net cash requirements less balance to be financed from bonds.
(d) WPAP already reflects inflation.

Reference: Rreq-7

TABLE 2

CAPITAL IMPROVEMENTS PROGRAM
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015
	WATERWORKS IMPROVEMENTS								
1	Engineering and Administration	9,520	9,996	9,996	9,996	9,996	9,996	9,996	9,996
2	Water Treatment and Plant Improvements	18,480	18,480	18,480	18,480	18,480	18,480	18,480	18,480
	Pumping Station Improvements								
	Mains								
	Filtered Water Storage								
	Load Control Center Expansion								
3	Distribution System Rehabilitation	21,980	21,980	21,980	21,980	21,980	21,980	21,980	21,980
4	Automatic Meter Reading								
5	Geographic Information System	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
	Other								
6	Subtotal	51,480	51,956	51,956	51,956	51,956	51,956	51,956	51,956
	WASTEWATER COLLECTION AND TREATMENT								
7	Engineering and Administration	11,175	11,734	11,734	11,734	11,734	11,734	11,734	11,734
8	Water Pollution Control Plant Improvements	23,520	23,520	23,520	23,520	23,520	23,520	23,520	23,520
	Intercepting Chambers and Storm Overflow								
	Enterprise Avenue Landfill Closure								
9	Sewer Construction								
10	Storm Flood Relief	25,000	30,000	40,000	50,000	55,000	60,000	60,000	60,000
11	Reconstruction of Old Sewers	29,550	26,540	23,520	22,760	22,760	22,760	22,760	22,760
	Automatic Meter Reading								
12	Geographic Information System	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
	Other								
13	Subtotal	90,745	93,294	100,274	109,514	114,514	119,514	119,514	119,514
14	Total Improvements (Line 6 + Line 13)	142,225	145,250	152,230	161,470	166,470	171,470	171,470	171,470
15	Inflation Adjustment (a)			6,089	13,176	20,786	29,126	37,149	45,494
16	Inflated Total	142,225	145,250	158,319	174,646	187,256	200,596	208,619	216,964

(a) Cost estimates for fiscal years 2010 through 2013, excluding Engineering and Administration, are in terms of fiscal year 2009 cost levels.
An allowance is provided for inflation of 4.0 percent per year beginning with fiscal year 2010 for all costs excluding Engineering and Administration..

Water Inflation	0	0	2,078	4,240	6,487	8,825	11,256	13,785
Sewer Inflation	0	0	4,011	8,936	14,299	20,301	25,893	31,709

TABLE - 3

PROJECTED WATER UTILITY CAPITAL IMPROVEMENT PROGRAM
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015
Rreq-7	1	Engineering and Administration	9,520	9,996	9,996	9,996	9,996	9,996	9,996	9,996
Rreq-7	2	Water Treatment Plant Improvements	18,480	18,480	18,480	18,480	18,480	18,480	18,480	18,480
		Pumping Station Improvements								
Rreq-7		Mains								
		Filtered Water Storage								
		Load Control Center Expansion								
Rreq-7	3	Distribution System Rehabilitation	21,980	21,980	21,980	21,980	21,980	21,980	21,980	21,980
Rreq-7	4	Large Meter Replacement								
Rreq-7	5	Vehicles	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Rreq-7		Other								
	6	Total Improvements	51,480	51,956	51,956	51,956	51,956	51,956	51,956	51,956
Rreq-8	7	Inflation Adjustment (a)	0	0	2,078	4,240	6,487	8,825	11,256	13,785
	8	Inflated Total	51,480	51,956	54,034	56,196	58,443	60,781	63,212	65,741
	9	Less Financing Available from Sources								
Rreq-8		Other Than Revenue Bonds	13,730	13,998	15,766	15,634	15,801	16,069	15,837	15,804
	10	Balance to be Financed from								
		Revenue Bonds	37,750	37,958	38,268	40,562	42,642	44,712	47,375	49,937
Rreq-8	11	Cash Flow Adjustment	(7,972)	(7,959)	(7,959)	(8,896)	(8,819)	(8,968)	(7,763)	(6,655)
	12	Net Expenditures to be Met								
		from Revenue Bonds	29,778	29,999	30,309	31,666	33,823	35,744	39,612	43,282
		(a) Allowance for inflation of 4.0 percent per year after 2009.	43,508	43,997	46,075	47,300	49,624	51,813	55,449	59,086

TABLE - 8

PROJECTED WASTEWATER UTILITY CAPITAL IMPROVEMENT PROGRAM
(in thousands of dollars)

Reference	Line No.			Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015
		NPDES, Stormwater, CSO									
		Wastewater Collection and Treatment									
		Water Pollution Abatement Program									
		Southeast WPCP	NOT IN USE								
		Northeast WPCP	NOT IN USE								
		Southwest WPCP	NOT IN USE								
		Subtotal	NOT IN USE	0	0	0	0	0	0	0	0
		Engineering and Administration									
Rreq-7	1	Other Water Pollution Control Plant Improvements		23,520	23,520	23,520	23,520	23,520	23,520	23,520	23,520
		Intercepting Chambers and Storm Overflow									
		Enterprise Avenue Landfill Closure									
		Other									
		Sewers and Drainage									
Rreq-7	2	Engineering and Administration		11,175	11,734	11,734	11,734	11,734	11,734	11,734	11,734
Rreq-7	3	Sewer Construction									
Rreq-7	4	Storm Flood Relief		25,000	30,000	40,000	50,000	55,000	60,000	60,000	60,000
Rreq-7	5	Reconstruction of Old Sewers		29,550	26,540	23,520	22,760	22,760	22,760	22,760	22,760
Rreq-7	6	Unused									
Rreq-7	7	Vehicles		1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Rreq-7	8	Other									
	9	Total Improvements		90,745	93,294	100,274	109,514	114,514	119,514	119,514	119,514
Rreq-8	10	Inflation Adjustment (a)		0	0	4,011	8,936	14,299	20,300	25,893	31,709
	11	Inflated Total		90,745	93,294	104,285	118,450	128,813	139,814	145,407	151,223
Rreq-8	12	Less Financing Available from Sources Other Than Revenue Bonds		19,058	20,181	24,804	24,327	23,551	24,674	24,297	24,721
	13	Balance to be Financed from Revenue Bonds		71,687	73,113	79,481	94,123	105,262	115,140	121,110	126,502
Rreq-8	14	Cash Flow Adjustment		(14,053)	(14,291)	(15,360)	(18,750)	(19,437)	(20,628)	(17,856)	(15,309)
	15	Net Expenditures to be Met from Revenue Bonds		57,634	58,822	64,121	75,373	85,825	94,512	103,254	111,193
		(a) Allowance for inflation of 4.0 percent per year after 2009.		76,692	79,003	88,925	99,700	109,376	119,186	127,551	135,914

TABLE 4

PROJECTED FLOW OF FUNDS - CONSTRUCTION FUND
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	Total
		Disposition of Revenue Bond Proceeds									
		Financing Requirement									
	1	Proceeds From Sale of Bonds	0	325,000	0	0	350,000	0	365,000		
		Term (yrs)	30	30	30	30	30	30	30	30	
		Interest (%)	5.00%	5.00%	5.00%	5.00%	5.50%	5.50%	5.50%	5.50%	
		Issuance Cost	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
		Month of Sale (July=1)	7	7	7	7	7	7	10	7	
		Capitalized Interest term (yrs)	0	0	0	0	0	0	0	0	
		Desired EOY Balance (mos)	6								
		Transfers:									
	2	Debt Reserve Account (a)	0	21,142	0	0	24,082	0	25,114	0	
	3	Cost of Bond Issuance (b)	0	4,875	0	0	5,250	0	5,475	0	
	4	Construction Fund (c)	0	298,983	0	0	320,668	0	334,411	0	954,062
	5	Capital Interest Requirement	0	0	0	0	0	0	0	0	
	6	Total Issue	0	325,000	0	0	350,000	0	365,000	0	
		Proposed Revenue Bond Debt Service									
		2008	0	0	0	0	0	0	0	0	
		2009		0	21,142	21,142	21,142	21,142	21,142	21,142	
		2010			0	0	0	0	0	0	
		2011				0	0	0	0	0	
		2012					0	24,082	24,082	24,082	
		2013						0	0	0	
		2014							0	25,114	
		2015								0	
		Total Proposed Debt Service	0	0	21,142	21,142	21,142	45,224	45,224	70,338	
		Pennvest Loans - Existing GO	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	9,816
		Pennvest Loans - Exist. Rev. Bd	384	384	384	384	384	384	384	384	3,072
		Construction Fund									
Rreq-2	7	Beginning Balance	158,867	71,455	281,617	187,187	80,148	281,168	150,911	342,456	158,867
Line 4	8	Transfer From Bond Proceeds	0	298,983	0	0	320,668	0	334,411	0	954,062
Rreq-2	9	Pennvest Loan	0	0	0	0	0	0	0	0	0
Rreq-20	10	Non-City Sources (Assessments)	0	0	0	0	0	0	0	0	0
Rreq-20	11	Grants	0	0	0	0	0	0	0	0	0
Rreq-22	12	Transfer from Residual Account	15,000	16,000	22,000	21,000	20,000	21,000	20,000	20,000	155,000
Rreq-20	13	Capital Account Deposit	17,788	18,179	18,570	18,961	19,352	19,743	20,134	20,525	153,252
	14	Total Available	191,655	404,617	322,187	227,148	440,168	321,911	525,456	382,981	1,421,181
Rreq-8	15	Net Cash Financing Required	120,200	123,000	135,000	147,000	159,000	171,000	183,000	195,000	1,233,200
	16	Ending Balance	71,455	281,617	187,187	80,148	281,168	150,911	342,456	187,981	187,981
		Desired balance	61,500	67,500	73,500	79,500	85,500	91,500	97,500	97,500	97,500
			116.19%	417.21%	254.68%	100.81%	328.85%	164.93%	351.24%	192.80%	192.80%
			32,788	333,162	40,570	39,961	360,020	40,743	374,545	40,525	1,262,314
		Debt Reserve Account	(d)								
Rreq-2	17	Beginning Balance	183,592	116,592	137,734	137,734	137,734	161,815	161,815	186,929	183,592
	18	Transfer To City/Transfers Out	(67,000)	0							
Line 2	19	Transfer From Bond Proceeds	0	21,142	0	0	24,082	0	25,114	0	70,338
	20	Ending Balance	116,592	137,734	137,734	137,734	161,815	161,815	186,929	186,929	253,929
		Interest Income									
Rreq-15	21	Construction Fund (e)	2,329	3,553	6,353	3,699	6,577	7,336	4,248	9,486	
Rreq-15	22	Debt Reserve Account (f)	2,355	2,568	2,782	2,782	3,790	4,096	4,254	4,732	
	23	Total Interest Income	4,684	6,121	9,135	6,481	10,367	11,432	8,502	14,218	

(a) Assumes debt service reserve requirement of one year level P&I payment.
(b) Cost of bond 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) Maximum annual future debt service on outstanding bonds following issuance of Series 1999 Bonds amounts to $116,591.8,000.
(e) Interest income is transferred to the Revenue Fund.
(f) Interest income is transferred to the Residual Fund in the lesser amount of $4,994,000.0 amd actual interest earned with the balance being transferred to the Revenue Fund.

TABLE - 4

PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND
WATER UTILITY
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	
		Disposition of Bond Proceeds									
Rreq-12	1	Proceeds From Sale of Bonds	0	96,000	0	0	104,000	0	108,000	0	
		Transfers:									
Rreq-12	2	Capitalized Interest Fund	0	0	0	0	0	0	0	0	
Rreq-12	3	Debt Reserve Fund (a)	0	6,245	0	0	7,156	0	7,431	0	20,832
Rreq-12	4	Cost of Bond Issuance (b)	0	1,440	0	0	1,560	0	1,620	0	
	5	Construction Fund (c)	0	88,315	0	0	95,284	0	98,949	0	
	6	Total Issue	0	96,000	0	0	104,000	0	108,000	0	
		Construction Fund									
Rreq-2	7	Beginning Balance	53,886	24,108	82,424	52,115	20,449	81,910	46,166	105,503	
Line 5	8	Transfer From Bond Proceeds	0	88,315	0	0	95,284	0	98,949	0	
Rreq-8	9	Capital Account Deposit, Grants, and Assessments	7,630	7,798	7,966	8,134	8,301	8,469	8,637	8,804	
Rreq-8	10	Penn Vest Loan	0	0	0	0	0	0	0	0	
Rreq-8	11	Transfer from Residual Fund	6,100	6,200	7,800	7,500	7,500	7,600	7,200	7,000	
	12	Total Available	67,616	126,421	98,190	67,749	131,534	97,979	160,952	121,307	
Rreq-10	13	Net Cash Financing Required	43,508	43,997	46,075	47,300	49,624	51,813	55,449	59,086	
Line 12 - Line 13	14	Ending Balance	24,108	82,424	52,115	20,449	81,910	46,166	105,503	62,221	
			109.59%	357.78%	220.36%	82.42%	316.18%	166.52%	357.12%		
		Debt Reserve Fund									
Rreq-2	15	Beginning Balance	81,002	51,002	57,247	57,247	57,247	64,403	64,403	71,834	
	16	Transfer To City	(30,000)	0	0	0	0	0	0	0	
Line 3	17	Transfer From Bond Proceeds	0	6,245	0	0	7,156	0	7,431	0	
	18	Ending Balance	51,002	57,247	57,247	57,247	64,403	64,403	71,834	71,834	
Rreq-16	19	Interest Income on Construction Fund (d)	815	1,104	1,406	777	1,338	1,676	1,343	2,181	
Rreq-16	20	Interest Income on Debt Reserve Fund (d)	1,031	1,094	1,156	1,156	1,539	1,630	1,677	1,819	
	21	Total Interest Income	1,846	2,198	2,562	1,933	2,877	3,306	3,020	4,000	

(a) Amount of Debt Reserve Fund estimated to be equal to maximum future annual debt service payment.
(b) Cost of bond issuance assumed to be 1.5 percent of face amount of issue.
(c) Deposits equal proceeds from sale of bonds less transfers to Capitalized Interest Fund, Debt Reserve Fund, and Costs of Issuance.
(d) Interest income estimated at 2.0 percent on funds available for investment in the Capital Improvements Fund and 2.0 percent on funds available for investment in the Debt Reserve Fund.

TABLE - 9

PROJECTED FLOW OF FUNDS - CAPITAL IMPROVEMENTS FUND
WASTEWATER UTILITY
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015
		Disposition of Bond Proceeds								
Rreq-12	1	Proceeds From Sale of Bonds	0	229,000	0	0	246,000	0	257,000	0
		Transfers:								
Rreq-12	2	Capitalized Interest Fund	0	0	0	0	0	0	0	0
Rreq-12	3	Debt Reserve Fund (a)	0	14,897	0	0	16,926	0	17,683	0
Rreq-12	4	Cost of Bond Issuance (b)	0	3,435	0	0	3,690	0	3,855	0
	5	Construction Fund (c)	0	210,668	0	0	225,384	0	235,462	0
	6	Total Issue	0	229,000	0	0	246,000	0	257,000	0
		Construction Fund								
Rreq-2	7	Beginning Balance	104,981	47,346	199,192	135,071	59,699	199,257	104,744	236,953
Line 5	8	Transfer From Bond Proceeds	0	210,668	0	0	225,384	0	235,462	0
Rreq-8	9	Capital Account Deposit, Grants, and Assessments	10,158	10,381	10,604	10,827	11,051	11,274	11,497	11,721
Rreq-8	10	Penn Vest Loan	0	0	0	0	0	0	0	0
Rreq-8	11	Transfer from Residual Fund	8,900	9,800	14,200	13,500	12,500	13,400	12,800	13,000
	12	Total Available	124,038	278,195	223,996	159,399	308,633	223,931	364,504	261,673
Rreq-11	13	Net Cash Financing Required	76,692	79,003	88,925	99,700	109,376	119,187	127,551	135,914
	14	Ending Balance	47,346	199,192	135,071	59,699	199,257	104,744	236,953	125,759
			119.86%	448.00%	270.96%	109.16%	334.36%	164.24%	348.68%	
		Debt Reserve Fund								
Rreq-2	15	Beginning Balance	102,590	65,590	80,487	80,487	80,487	97,413	97,413	115,096
	16	Transfer To City	(37,000)	0	0	0	0	0	0	0
line 3	17	Transfer From Bond Proceeds	0	14,897	0	0	16,926	0	17,683	0
	18	Ending Balance	65,590	80,487	80,487	80,487	97,413	97,413	115,096	115,096
Rreq-15	19	Interest Income on Construction Fund (d)	1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539
Rreq-16	20	Interest Income on Debt Reserve Fund (d)	1,325	1,475	1,626	1,626	2,250	2,466	2,577	2,914
	21	Total Interest Income	2,839	3,925	4,958	3,551	5,465	6,264	5,348	7,453

(a) Amount of Debt Reserve Fund estimated to be equal to maximum future annual debt service payment.
(b) Cost of bond issuance assumed to be 1.5 percent of face amount of issue.
(c) Deposits equal proceeds from sale of bonds less transfers to Capitalized Interest Fund, Debt Reserve Fund, and Costs of Issuance.
(d) Interest income estimated at 2.0 percent on funds available for investment in the Capital Improvements Fund and 2.0 percent on funds available for investment in the Debt Reserve Fund.

INTEREST EARNINGS ON CONSTRUCTION FUND - Water & Sewer Combined

Reference:		2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
Rreq-12	Month of Bond Issue	7	7	7	7	7	7	10	7
		Fiscal Year Ending June 30							
	SOURCE AND USE OF FUNDS								
Rreq-2	Beginning Balance	158,867	71,455	281,617	187,187	80,148	281,168	150,911	342,456
Rreq-12	Transfers In (Pennvest, Non-City sources, EPA grant)	0	0	0	0	0	0	0	0
Rreq-12	Transfers In (Capital Acct & Residual Acct)	32,788	34,179	40,570	39,961	39,352	40,743	40,134	40,525
Rreq-12	Net Bond Proceeds	0	298,983	0	0	320,668	0	334,411	0
Rreq-12	Capital Expenditures	(120,200)	(123,000)	(135,000)	(147,000)	(159,000)	(171,000)	(183,000)	(195,000)
	Interest Income	2,329	3,553	6,353	3,699	6,577	7,336	4,248	9,486
	Ending Balance	73,784	285,170	193,540	83,847	287,745	158,247	346,704	197,467
	Interest								
	Months prior to bond sale	1,377	495	2,593	1,612	632	3,127	1,842	3,822
	Months after bond sale	952	3,058	3,760	2,087	5,945	4,209	2,406	5,664
	Total	2,329	3,553	6,353	3,699	6,577	7,336	4,248	9,486
	Total of Water Plus Sewer Calculated Below	2,329	3,554	4,738	2,702	4,553	5,474	4,114	6,720
	Base on which to earn interest in months prior to bond sale	274,027	98,499	516,018	320,854	100,471	497,207	194,672	607,674
	Base on which to earn interest in months after bond sale	189,369	608,634	426,774	217,039	623,423	373,204	724,312	460,843
			118,467						

INTEREST EARNINGS ON CONSTRUCTION FUND - Water

<<Construction Fund interest income is transferred to the Revenue Fund

Reference		2008	2009	2010	2011	2012	2013	2014	2015
		Fiscal Year Ending June 30							
Rreq-13	Beginning Balance	53,886	24,108	82,424	52,115	20,449	81,910	46,166	105,503
Rreq-15	Transfers In (Pennvest, Non-City sources, EPA grant)	0	0	0	0	0	0	0	0
Rreq-15	Transfers In (Capital Acct & Residual Acct)	16,394	17,090	20,285	19,981	19,676	20,372	20,067	20,263
Rreq-13	Net Bond Proceeds	0	88,315	0	0	95,284	0	98,949	0
Rreq-13	Capital Expenditures	(43,508)	(43,997)	(46,075)	(47,300)	(49,624)	(51,813)	(55,449)	(59,086)
	Interest Income	815	1,104	1,406	777	1,338	1,676	1,343	2,181
	Ending Balance	27,587	86,620	58,040	25,573	87,123	52,145	111,076	68,860
	Interest								
	Months prior to bond sale	473	175	764	455	163	931	623	1,205
	Months after bond sale	342	929	642	322	1,175	745	720	976
	Total	815	1,104	1,406	777	1,338	1,676	1,343	2,181
		35%	31%	22%	21%	20%	23%	32%	23%
	Base on which to earn interest in months prior to bond sale	94,215	34,763	151,954	90,571	25,924	148,099	65,796	191,594
	Base on which to earn interest in months after bond sale	68,047	184,836	127,692	64,161	186,870	118,520	229,558	155,180

INTEREST EARNINGS ON CONSTRUCTION FUND - Sewer

<<Construction Fund interest income is transferred to the Revenue Fund

Reference		2008	2009	2010	2011	2012	2013	2014	2015
		Fiscal Year Ending June 30							
Rreq-14	Beginning Balance	104,981	47,346	199,192	135,071	59,699	199,257	104,744	236,953
	Transfers In (Pennvest, Non-City sources, EPA grant)	0	0	0	0	0	0	0	0
	Transfers In (Capital Acct & Residual Acct)	16,394	17,090	20,285	19,981	19,676	20,372	20,067	20,263
Rreq-14	Net Bond Proceeds	0	210,668	0	0	225,384	0	235,462	0
	Capital Expenditures	(76,692)	(79,003)	(88,925)	(99,700)	(109,376)	(119,187)	(127,551)	(135,914)
	Interest Income	1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539
	Ending Balance	46,197	198,551	133,884	57,277	198,598	104,240	235,493	125,840
	Interest								
	Months prior to bond sale	904	320	1,829	1,157	469	2,196	1,220	2,617
	Months after bond sale	610	2,130	1,503	768	2,746	1,602	1,551	1,922
	Total	1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539
	Base on which to earn interest in months prior to bond sale	179,812	63,736	364,064	230,283	74,547	349,107	128,876	416,080
	Base on which to earn interest in months after bond sale	121,322	423,798	299,082	152,877	436,553	254,684	494,756	305,662

INTEREST EARNINGS ON DEBT RESERVE FUND - Water & Sewer Combined

		2008	2009	2010	2011	2012	2013	2014	2015	
Rreq-2	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%	
Rreq-12	Month of Bond Issue	7	7	7	7	7	7	10	7	
		Fiscal Year Ending June 30								
	Interest									
	Months prior to bond sale	1,172	1,172	1,384	1,384	1,732	2,035	3,063	2,351	
	Months after bond sale	1,184	1,396	1,398	1,398	2,057	2,061	1,191	2,381	*overstated?*
	Total	2,355	2,568	2,782	2,782	3,790	4,096	4,254	4,732	
	Total of Water Plus Sewer Calculated Below	2,356	2,569	2,782	2,782	3,789	4,096	4,254	4,733	
Rreq-12	Base on which to earn interest in months prior to bond sale	233,184	233,184	275,467	275,467	275,467	323,631	323,631	373,859	
Rreq-12	Base on which to earn interest in months after to bond sale	235,527	277,811	278,236	278,236	327,096	327,702	379,984	378,561	

INTEREST EARNINGS ON DEBT RESERVE FUND - Water

			2008	2009	2010	2011	2012	2013	2014	2015
			Fiscal Year Ending June 30							
	Interest									
	Months prior to bond sale		513	513	575	575	720	810	1,219	904
	Months after bond sale		518	581	581	581	819	820	458	915
	Total	44%	1,031	1,094	1,156	1,156	1,539	1,630	1,677	1,819
Rreq-13	Base on which to earn interest in months prior to bond sale		102,004	102,004	114,494	114,494	114,494	128,806	128,806	143,668
Rreq-13	Base on which to earn interest in months after bond sale		103,030	115,520	115,644	115,644	130,246	130,426	146,106	145,476

INTEREST EARNINGS ON DEBT RESERVE FUND - Sewer

	2008	2009	2010	2011	2012	2013	2014	2015
	Fiscal Year Ending June 30							
Interest								
Months prior to bond sale	659	659	809	809	1,012	1,225	1,844	1,448
Months after bond sale	666	816	817	817	1,238	1,241	733	1,466
Total	1,325	1,475	1,626	1,626	2,250	2,466	2,577	2,914
Base on which to earn interest in months prior to bond sale	131,180	131,180	160,974	160,974	160,974	194,826	194,826	230,192
Base on which to earn interest in months after bond sale	132,500	162,294	162,594	162,594	196,852	197,278	233,882	233,090

INTEREST EARNINGS ON OPERATING FUND - Water & Sewer Combined

Reference		2008	2009	2010	2011	2012	2013	2014	2015
	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
		Fiscal Year Ending June 30							
Rreq-2	Beginning Balance	24,152	24,152	24,152	24,152	24,152	24,152	24,152	24,152
	Working Capital (a)	0	0	0	0	0	0	0	0
Rreq-22	Ending Balance (b)	11,191	11,130	16,015	16,203	15,786	21,008	20,688	25,287
	Average Annual Balance	17,671	17,641	20,083	20,177	19,969	22,580	22,420	24,719
	Interest	595	595	644	645	802	867	863	921
	CHECK	577	564	602	624	754	808	821	846
	USE	577	564	602	624	754	808	821	846
	Check - Water + Sewer	577	565	602	625	754	808	821	846

(a) Estimated average balance loosely based on B. Brunwasser fax of 10/29/98, pg 9, revenue account cash flow for FY2000. Split 50/50 between water and sewer.
(b) Excludes Construction Fund interest, SRF interest, CAD & SCOOP, RSF interest. Includes Working Capital.

INTEREST EARNINGS ON OPERATING FUND - Water

Reference		2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
		Fiscal Year Ending June 30							
Rreq-2	Beginning Balance	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076
	Working Capital	0	0	0	0	0	0	0	0
Rreq-23	Ending Balance (a)	4,582	4,365	5,656	5,699	5,948	7,467	7,312	8,622
	Average Annual Balance	8,329	8,220	8,866	8,887	9,012	9,771	9,694	10,349
	Interest	287	285	298	299	376	395	393	410
	CHECK	282	277	287	294	364	379	381	387
	USE	282	277	287	294	364	379	381	387

(a) Excludes Construction Fund interest, SRF interest, CAD & SCOOP, RSF interest. Includes Working Capital.

INTEREST EARNINGS ON OPERATING FUND - Sewer

Reference		2008	2009	2010	2011	2012	2013	2014	2015
	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
		Fiscal Year Ending June 30							
Rreq-2	Beginning Balance	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076
	Working Capital	0	0	0	0	0	0	0	0
Rreq-24	Ending Balance (a)	6,609	6,765	10,359	10,504	9,838	13,541	13,376	16,665
	Average Annual Balance	9,342	9,420	11,217	11,290	10,957	12,808	12,726	14,370
	Interest	308	309	345	347	425	472	469	511
	CHECK	295	288	315	331	390	429	440	459
	USE	295	288	315	331	390	429	440	459

(a) Excludes Construction Fund interest, SRF interest, CAD & SCOOP, RSF interest. Includes Working Capital.

INTEREST EARNINGS ON RESIDUAL FUND - Water & Sewer Combined

	Interest Rate		2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
			Fiscal Year Ending June 30							
			2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Beginning Balance		11,341	12,101	11,091	7,917	5,352	3,340	5,370	8,102
Rreq-22	Ending Balance (a)		(3,659)	(3,899)	(10,909)	(13,083)	(14,648)	(17,660)	(14,630)	(11,898)
	Average Annual Balance		3,841	4,101	91	(2,583)	(4,648)	(7,160)	(4,630)	(1,898)
	Interest		78	83	2	(52)	(118)	(181)	(117)	(48)
	CHECK		78	83	2	(52)	(118)	(181)	(117)	(48)
	USE (b)		611	510	2	0	0	0	0	0
	Check - Water + Sewer		611	510	2	0	0	0	0	0
	Adj - DSR Substitution		533	427	0	0	0	0	0	0

Source: Potential interest earnings DSR Release.xls

(a) Excludes current year deposit.

(b) Included adjustment for interest associated with Debt Service Reserve (DSR) substitution

INTEREST EARNINGS ON RESIDUAL FUND - Water

Rreq-2	Interest Rate		2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
			Fiscal Year Ending June 30							
			2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Beginning Balance		3,847	4,098	3,767	2,719	1,801	1,144	1,835	2,776
Rreq-23	Ending Balance (a)		(2,253)	(2,102)	(4,033)	(4,781)	(5,699)	(6,456)	(5,365)	(4,224)
	Average Annual Balance		797	998	(133)	(1,031)	(1,949)	(2,656)	(1,765)	(724)
	Interest		16	20	(3)	(21)	(49)	(67)	(45)	(18)
	CHECK	80,000	16	20	(3)	(21)	(49)	(67)	(45)	(18)
	USE (b)		248	206	0	0	0	0	0	0
	Adj - DSR Substitution		232	186	0	0	0	0	0	0

(a) Excludes current year deposit.

(b) Included adjustment for interest associated with Debt Service Reserve (DSR) substitution

INTEREST EARNINGS ON RESIDUAL FUND - Sewer

	Interest Rate		2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
			Fiscal Year Ending June 30							
			2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Beginning Balance		7,494	8,003	7,324	5,198	3,551	2,196	3,535	5,326
Rreq-24	Ending Balance (a)		(1,406)	(1,797)	(6,876)	(8,302)	(8,949)	(11,204)	(9,265)	(7,674)
	Average Annual Balance		3,044	3,103	224	(1,552)	(2,699)	(4,504)	(2,865)	(1,174)
	Interest		62	63	5	(31)	(68)	(114)	(73)	(30)
	CHECK		62	63	5	(31)	(68)	(114)	(73)	(30)
	USE (b)		363	304	2	0	0	0	0	0
	Adj - DSR Substitution		301	241	0	0	0	0	0	0

(a) Excludes current year deposit.

(b) Included adjustment for interest associated with Debt Service Reserve (DSR) substitution

INTEREST EARNINGS ON RATE STABILIZATION FUND - Water & Sewer Combined

Interest Rate		2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%
		Fiscal Year Ending June 30							
		2008	2009	2010	2011	2012	2013	2014	2015
Rreq-2	Beginning Balance	185,069	149,649	126,059	92,449	66,624	47,734	48,174	48,409
Rreq-22	Ending Balance	149,649	126,059	92,449	66,624	47,734	48,174	48,409	48,819
	Average Annual Balance	167,359	137,854	109,254	79,536	57,179	47,954	48,291	48,614
	Interest	3,381	2,785	2,207	1,607	1,448	1,214	1,223	1,231
	CHECK	3,381	2,785	2,207	1,607	1,448	1,214	1,223	1,231
	USE	3,381	2,785	2,207	1,607	1,448	1,214	1,223	1,231
	Check - Water + Sewer	3,381	2,785	2,207	1,607	1,448	1,214	1,223	1,231

INTEREST EARNINGS ON RATE STABILIZATION FUND - Water

Rreq-2	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%	
		Fiscal Year Ending June 30								
		2008	2009	2010	2011	2012	2013	2014	2015	
		Do Not Use Equations in This Box for This Study								
Rreq-2	Beginning Balance	93,034	149,649	126,059	92,449	66,624	47,734	48,174	48,409	Do not use these lines at this time (9/27/99)
Rreq-23	Ending Balance	140,819	112,694	92,529	66,579	46,789	47,869	48,249	48,474	Do not use these lines at this time (9/27/99)
	Average Annual Balance	116,926	131,171	109,294	79,514	56,706	47,801	48,211	48,441	Do not use these lines at this time (9/27/99)
	Interest	2,362	2,650	2,208	1,606	1,436	1,210	1,221	1,226	Do not use these lines at this time (9/27/99)
	CHECK	3,292	2,650	2,208	1,606	1,436	1,210	1,221	1,226	Do not use these lines at this time (9/27/99)
	USE 36.7%	1,239	1,021	809	589	531	445	448	451	

INTEREST EARNINGS ON RATE STABILIZATION FUND - Sewer

Interest Rate		2.00%	2.00%	2.00%	2.00%	2.50%	2.50%	2.50%	2.50%	
		Fiscal Year Ending June 30								
		2008	2009	2010	2011	2012	2013	2014	2015	
		Do Not Use Equations in This Box for This Study								
Rreq-2	Beginning Balance	92,034	112,694	92,529	66,579	46,789	47,869	48,249	48,474	Do not use these lines
Rreq-24	Ending Balance	149,649	126,059	92,449	66,624	47,734	48,174	48,409	48,819	Do not use these lines
	Average Annual Balance	120,841	119,376	92,489	66,601	47,261	48,021	48,329	48,646	Do not use these lines
	Interest	2,441	2,412	1,868	1,345	1,196	1,216	1,224	1,232	Do not use these lines
	CHECK	2,934	2,412	1,868	1,345	1,196	1,216	1,224	1,232	Do not use these lines
	USE	2,142	1,764	1,398	1,018	917	769	775	780	

Reference: #99137.0100, BD-16 **Bernie wants to increase the deposit from 1% to 2% (gradually)**

Plant Investment			
Water Utility	42.90%	1,178,874,689	WCOS08.xls - Plant-8
Sewer Utility	57.10%	1,569,329,362	SCOS08.xls - Splitallo-24
Water & Sewer Combined		2,748,204,051	

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	WATER UTILITY Uninflated Non-Bond Sources				SEWER UTILITY Uninflated Non-Bond Sources				WATER & SEWER UTILITY Uninflated Non-Bond Sources			
Year	Grants	T & A	Cap Act Dep	Total	Grants	T & A	Cap Act Dep	Total	Grants	T & A	Cap Act Dep	Total
	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000
	(a)	(a)	(a)	(1 + 2 + 3)	(a)	(a)	(a)	(5 + 6 + 7)	(1)+ (5)	(2)+ (6)	OMone-4	(9 + 10 + 11)
											391	
2008			7,630	7,630			10,158	10,158	0	0	17,788	17,788
2009			7,798	7,798			10,381	10,381	0	0	18,179	18,179
2010			7,966	7,966			10,604	10,604	0	0	18,570	18,570
2011			8,134	8,134			10,827	10,827	0	0	18,961	18,961
2012			8,301	8,301			11,051	11,051	0	0	19,352	19,352
2013			8,469	8,469			11,274	11,274	0	0	19,743	19,743
2014			8,637	8,637			11,497	11,497	0	0	20,134	20,134
2015			8,804	8,804			11,721	11,721	0	0	20,525	20,525

(a) Grants, Transfers, and R/R funds are not inflated.

Ref.:

Line No.		Fiscal Year Ending June 30 2008 $1,000	2009 $1,000	2010 $1,000	2011 $1,000	2012 $1,000	2013 $1,000	2014 $1,000	2015 $1,000	Test Year 2009 $1,000	% Water	% Sewer	2009 Test Year Water $1,000	Sewer $1,000
1	State & Federal Grants	500	500	500	500	500	500	500	500	500	0.00%	100.00%	0	500
2	Permits Issued by L&I (L&I)	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	50.00%	50.00%	958	958
3	Miscellaneous (Procurement)	50	50	50	50	50	50	50	50	50	50.00%	50.00%	25	25
4	Bucks County (a)									0	0.00%	100.00%	0	0
5	Total	2,466	2,466	2,466	2,466	2,466	2,466	2,466	2,466	2,466			983	1,483
	Split between W & S													
6	Water	983	983	983	983	983	983	983	983	983				
7	Sewer	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483				

Notes:

(a) Bucks County Settlement Agreement

See Rreq-33 for outline for sizing revenue increases.

TABLE - 11

PROJECTED REVENUE AND REVENUE REQUIREMENTS
(in thousands of dollars)

	Line No.		Year	Percent Increase	Months Effective	2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year	Reference	Study Period	
						Fiscal Year Ending June 30											
		OPERATING REVENUE															
	1	Water Service - Existing Rates				173,041	172,644	170,768	168,815	166,863	164,984	163,117	161,254	172,644	Rreq-23	1,017,115	
	2	Wastewater Service - Existing Rates				299,070	300,181	298,591	296,731	292,820	291,019	289,232	287,447	300,181	Rreq-24	1,778,412	
	3	Total Service Revenue - Existing Rates				472,111	472,825	469,359	465,546	459,683	456,003	452,349	448,701	472,825		2,795,527	3,224,466
		Additional Service Revenue Required:															
4.73%	-		FY 2008	0.00%	12	0	0	0	0	0	0	0	0	0		0	
10.00%	4		FY 2009	6.40%	12		30,261	30,039	29,795	29,420	29,184	28,950	28,717	30,261		148,699	206,366
5.75%	5		FY 2010	6.40%	12			31,961	31,702	31,303	31,052	30,803	30,555	0		126,018	
5.70%	6		FY 2011	6.40%	12				33,731	33,306	33,039	32,775	32,510	0		100,076	
4.50%	7		FY 2012	6.40%	12					35,438	35,154	34,872	34,591	0		70,592	
4.50%	8		FY 2013	13.10%	12						76,561	75,947	75,335	0		76,561	
	9		FY 2014	4.40%	12							28,851	28,618	0		0	
	-		FY 2015	8.30%	12								56,359	0		0	
	10	Total Additional Service Revenue Required				0	30,261	62,000	95,228	129,467	204,990	232,198	286,685	30,261		521,946	491,685
	11	Total Water and Wastewater Service Revenue				472,111	503,086	531,359	560,774	589,150	660,993	684,547	735,386	503,086		3,317,473	
	12	Transfer From (To) Rate Stabilization Fund				35,420	23,590	33,610	25,825	18,890	(440)	(235)	(410)	23,590	Line 42	136,895	
		Other Income (a)															
	13	Other Operating Revenue				19,475	19,378	19,286	19,194	19,102	19,013	18,926	18,838	19,378	Rreq-23 + Rreq-24	115,448	
	14	Construction Fund Interest Income				2,329	3,554	4,738	2,702	4,553	5,474	4,114	6,720	3,554	Rreq-23 + Rreq-24	23,350	41,046
	15	Debt Reserve Fund Interest Income				0	0	0	0	0	0	0	0	0	Rreq-23 + Rreq-24	0	
	16	Operating Fund Interest Income				1,188	1,075	604	625	754	808	821	846	1,075	Rreq-23 + Rreq-24	5,054	
	17	Rate Stabilization Interest Income				3,381	2,785	2,207	1,607	1,448	1,214	1,223	1,231	2,785	Rreq-23 + Rreq-24	12,642	
	18	Revenues				533,904	553,468	591,804	610,727	633,897	687,062	709,396	762,611	553,468		3,610,862	
		OPERATING EXPENSE															
	19	Water & Wastewater Operations				272,294	291,266	302,625	319,465	340,359	358,604	377,976	398,557	291,266	Rreq-23 + Rreq-24	1,884,613	
	20	Direct Interdepartmental Charges				52,991	55,857	57,470	59,563	62,184	64,476	66,868	69,365	55,857	Rreq-23 + Rreq-24	352,541	
	21	Total Operating Expense				325,285	347,123	360,095	379,028	402,543	423,080	444,844	467,922	347,123		2,237,154	
	22	NET REVENUES AFTER OPERATIONS				208,619	206,345	231,709	231,699	231,354	263,982	264,552	294,689	206,345	Line 18 - Line 21	1,373,708	
		DEBT SERVICE															
		Senior Debt Service															
		Revenue Bonds															
	23	Outstanding Bonds (b)				173,460	171,565	171,560	171,550	171,261	174,374	174,851	174,851	171,565	Rreq-23 + Rreq-24		
	24	Pennvest Parity Bonds				384	384	384	384	384	384	384	384	384	Rreq-24	PN 61133.0101, 10/22/98 JRM memo	
	25	Projected Future Bonds (c)						21,142	21,142	21,142	45,224	45,224	70,338		Rreq-23 + Rreq-24		
	26	Total Senior Debt Service				173,844	171,949	193,086	193,076	192,787	219,982	220,459	245,573	171,949		1,144,724	
	27	Total Senior Debt Service Coverage				1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x			
		Subordinate Debt Service															
	28	Outstanding General Obligation Bonds				0	0	0	0	0	0	0	0	0	Rreq-23 + Rreq-24		
	29	Pennvest Subordinate Bonds				1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	Rreq-23 + Rreq-24	PN 25038, FNF-7	
	30	Total Subordinate Debt Service				1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227		7,362	
	31	Total Debt Service on Bonds				175,071	173,176	194,313	194,303	194,014	221,209	221,686	246,800	173,176	Line 26 + Line 30	1,152,086	
	32	CAPITAL ACCOUNT DEPOSIT				17,788	18,179	18,570	18,961	19,352	19,743	20,134	20,525	18,179	Rreq-23 + Rreq-24	112,593	
	33	TOTAL COVERAGE (L22/(L31+L32)				1.08 x	1.07 x	1.08 x	1.08 x	1.08 x	1.09 x	1.09 x	1.10 x	1.07 x			
		RESIDUAL FUND															
	34	Beginning of Year Balance (d)				11,341	12,101	11,091	7,917	5,352	3,340	5,370	8,102	12,101	Rreq-23 + Rreq-24		
	35	Interest Income				0	0	0	0	0	0	0	0	0	Rreq-23 + Rreq-24	0	
		Deposits															
	36	End of Year Revenue Fund Balance				15,760	14,990	18,826	18,435	17,988	23,030	22,732	27,364	14,990	Rreq-23 + Rreq-24		
	37	Deposit for Transfer to City General Fund (e)				2,355	2,568	2,782	2,782	3,790	4,096	4,254	4,732	2,568		18,373	
		Less															
	38	Transfer to Construction Fund				15,000	16,000	22,000	21,000	20,000	21,000	20,000	20,000	16,000		115,000	
	39	Transfer to City General Fund				2,355	2,568	2,782	2,782	3,790	4,096	4,254	4,732	2,568	Rreq-23 + Rreq-24		
	40	End of Year Balance				12,101	11,091	7,917	5,352	3,340	5,370	8,102	15,466	11,091	Line 34 + line 35 + line 36 + line 37 - line 38 - line 39		
		RATE STABILIZATION FUND															
		MAX -->>				(52,153)	(51,585)	(57,926)	(57,923)	(57,836)	- na -	- na -	- na -	(51,585)			
		REQ'D. -->>				(35,414)	(23,584)	(33,604)	(25,817)	(18,880)	444	236	411	(23,584)			
	41	Beginning of Year Balance				185,069	149,649	126,059	92,449	66,624	47,734	48,174	48,409	149,649	Rreq-23 + Rreq-24		
	42	Deposit From (To) Revenue Fund				(35,420)	(23,590)	(33,610)	(25,825)	(18,890)	440	235	410	(23,590)		(136,895)	
	43	End of Year Balance				149,649	126,059	92,449	66,624	47,734	48,174	48,409	48,819	126,059	Line 41 + line 42		
	-	Deposit From (To) Revenue Fund if You Add															
	-	Separate Water & Sewer Cashflow Transfers				(35,420)	(23,590)	(33,610)	(25,825)	(18,890)	440	235	410	(23,590)	Rreq-23 + Rreq-24		
	-					(35,415)	(23,585)	(33,605)	(25,820)	(18,885)	445						
											0.08%	0.04%	0.06%				

(a) Includes other operating and nonoperating income, including interest income on funds and accounts transferable to the Revenue Fund.

(b) Assumes a variable rate of 4.00% over the life of the Variable Rate Series 1997B Bonds.
(c) Assumes 5.00% interest, term of 30 years, with level annual principal and interest payments.
(d) Recognizes a fiscal year 2003 beginning balance of $11,341,313.6 less an estimated $0.0 to defease bonds in fiscal year 2003.
(e) Transfer of interest earnings from the Bond Reserve Account must first go to the Residual Fund as shown in Line 37 to satisfy the requirements for the Transfer to the City General Fund, with the balance included in Line 15 going to the Revenue Fund.
Cumulative FY 2008-FY 2015 increase equals 63.89%

See Rreq-33 for outline for sizing revenue increases.

TABLE - 12

PROJECTED REVENUE AND REVENUE REQUIREMENTS
WATER OPERATIONS
(in thousands of dollars)

Line No.				Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year	Reference	Study Period
	OPERATING REVENUE													
1	Water Service - Existing Rates (a)			173,041	172,644	170,768	168,815	166,863	164,984	163,117	161,254	172,644	Rreq-3	1,017,115
	Additional Service Revenue Required:													
	Year	Percent Increase	Months Effective											
-	FY 2008	0.00%	12	0	0	0	0	0	0	0	0	0		0
2	FY 2009	9.60%	12		16,574	16,394	16,206	16,019	15,838	15,659	15,480	16,574		81,031
3	FY 2010	9.60%	12			17,968	17,762	17,557	17,359	17,162	16,966	0		70,646
4	FY 2011	9.60%	12				19,467	19,242	19,025	18,810	18,595	0		57,734
5	FY 2012	9.60%	12					21,089	20,852	20,616	20,380	0		41,941
6	FY 2013	17.60%	12						41,898	41,424	40,951	0		41,898
7	FY 2014	4.90%	12							13,563	13,408	0		0
-	FY 2015	7.80%	12								22,389	0		0
8	Total Additional Service Revenue Required			0	16,574	34,362	53,435	73,907	114,972	127,234	148,169	16,574		293,250
9	Total Water Service Revenue			173,041	189,218	205,130	222,250	240,770	279,956	290,351	309,423	189,218		1,310,365
10	Transfer From (To) Rate Stabilization Fund			44,250	36,955	33,530	25,870	19,835	(135)	(75)	(65)	36,955	Line 40	160,305
	Other Income													
11	Other Operating Revenue			8,112	8,055	8,006	7,958	7,910	7,863	7,817	7,771	8,055	Rreq-3 + Rreq-21	47,904
12	Construction Fund Interest Income			815	1,104	1,406	777	1,338	1,676	1,343	2,181	1,104	Rreq-15	7,116
13	Debt Reserve Fund Interest Income			0	0	0	0	0	0	0	0	0	Rreq-16 - 0.4*4138	0
14	Operating Fund Interest Income			530	483	287	294	364	379	381	387	483	Rreq-17	2,337
15	Rate Stabilization Interest Income			1,239	1,021	809	589	531	445	448	451	1,021	Rreq-19	4,634
16	Revenues			227,987	236,836	249,168	257,738	270,748	290,184	300,265	320,148	236,836		1,532,661
	OPERATING EXPENSE													
17	Water Operations			110,730	120,030	125,239	132,739	141,954	150,127	158,884	168,229	120,030	Rreq-6	780,819
18	Direct Interdepartmental Charges			18,797	19,829	20,400	21,142	22,072	22,884	23,732	24,617	19,829	Rreq-6	125,124
19	Water Treatment Plant Sludge			7,236	7,629	7,879	8,214	8,518	9,254	9,621	10,357	7,629	File: SCOS08.xls - RETIndex	48,730
20	Total Operating Expense			136,763	147,488	153,518	162,095	172,544	182,265	192,237	203,203	147,488		954,673
21	NET REVENUES AFTER OPERATIONS			91,224	89,348	95,650	95,643	98,204	107,919	108,028	116,945	89,348	Line 16 less Line 20	577,988
	DEBT SERVICE													
	Senior Debt Service													
	Revenue Bonds													
22	Outstanding Bonds			75,632	74,070	73,076	73,071	75,204	76,147	76,238	76,238	74,070	Rreq-5	447,200
23	Pennvest Parity Bonds			384	384	384	384	384	384	384	384	384	Rreq-2	2,304
24	Projected Future Bonds			0	0	6,245	6,245	6,245	13,401	13,401	20,832	0	Rreq-12	32,136
25	Total Senior Debt Service			76,016	74,454	79,705	79,700	81,833	89,932	90,023	97,454	74,454		481,640
26	Total Senior Debt Service Coverage			1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x		
	Subordinate Debt Service													
27	Outstanding General Obligation Bonds			0	0	0	0	0	0	0	0	0	Rreq-5	0
28	Pennvest Subordinate Bonds			1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	Rreq-2	7,362
29	Total Subordinate Debt Service			1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227		7,362
30	Total Debt Service on Bonds			77,243	75,681	80,932	80,927	83,060	91,159	91,250	98,681	75,681		489,002
31	CAPITAL ACCOUNT DEPOSIT (b)			7,630	7,798	7,966	8,134	8,301	8,469	8,637	8,804	7,798	Rreq-20	48,298
32	TOTAL COVERAGE (L21/(L30+L31)			1.07 x	1.07 x	1.07 x	1.07 x	1.07 x	1.08 x	1.08 x	1.08 x	1.07 x		
	RESIDUAL FUND													
33	Beginning of Year Balance		34%	3,847	4,098	3,767	2,719	1,801	1,144	1,835	2,776	4,098	Rreq-2	17,375
	Interest Income			0	0	0	0	0	0	0	0	0	Rreq-18	0
	Deposits													
34	End of Year Revenue Fund Balance			6,351	5,869	6,752	6,582	6,843	8,291	8,141	9,460	5,869	Line 21 - line 30 - line 31	40,688
35	Deposit for Transfer to City General Fund			1,031	1,094	1,156	1,156	1,539	1,630	1,677	1,819	1,094	Rreq-22 * 0.4	7,606
	Less													
36	Transfer to Construction Fund			6,100	6,200	7,800	7,500	7,500	7,600	7,200	7,000	6,200		42,700
37	Transfer to City General Fund			1,031	1,094	1,156	1,156	1,539	1,630	1,677	1,819	1,094	Line 35	7,606
38	End of Year Balance			4,098	3,767	2,719	1,801	1,144	1,835	2,776	5,236	3,767	Line 33 + line 0 + line 34 +	15,363
				34%	34%	34%	34%	34%	34%	34%	34%	34%	line 35 - line 36 - line 37	
	RATE STABILIZATION FUND													
-		MAX -->>		(22,805)	(22,336)	(23,912)	(23,910)	(24,550)	- na -	- na -	- na -	(22,336)		(117,512)
-		REQ'D. -->>		(44,245)	(36,952)	(33,526)	(25,867)	(19,831)	136	75	65	(36,952)		(160,285)
39	Beginning of Year Combined Utilities Balance			185,069	149,649	126,059	92,449	66,624	47,734	48,174	48,409	149,649	Rreq-2	667,581
40	Deposit From (To) Revenue Fund			(44,250)	(36,955)	(33,530)	(25,870)	(19,835)	135	75	65	(36,955)		(160,305)
41	Balance Available for Sewer Utility			140,819	112,694	92,529	66,579	46,789	47,869	48,249	48,474	112,694	Line 39 + line 40	507,276
	(b) Transfers made at end of each fiscal year.			(44,250)	(36,955)	(33,530)	(25,870)	(19,835)	140					

(a) Revenue from rates effective Jul 1, 2007.

See Rreq-33 for outline for sizing revenue increases.

TABLE - 13

PROJECTED REVENUE AND REVENUE REQUIREMENTS
WASTEWATER OPERATIONS
(in thousands of dollars)

	Line No.				Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year	Reference		
		OPERATING REVENUE														
	1	Wastewater Service - Existing Rates (a)			299,070	300,181	298,591	296,731	292,820	291,019	289,232	287,447	300,181	Rreq-4		1,778,412	
		Additional Service Revenue Required:															
		Year	Percent Increase	Months Effective													
0.00%	-	FY 2008	0.00%	12	0	0	0	0	0	0	0	0	0			0	
9.60%	2	FY 2009	4.56%	12		13,687	13,645	13,589	13,401	13,346	13,291	13,237	13,687			67,668	94,196
9.60%	3	FY 2010	4.48%	12			13,993	13,940	13,746	13,693	13,641	13,589	0			55,372	
9.60%	4	FY 2011	4.40%	12				14,264	14,064	14,014	13,965	13,915	0			42,342	
9.60%	5	FY 2012	4.30%	12					14,349	14,302	14,256	14,211	0			28,651	
17.60%	6	FY 2013	10.01%	12						34,663	34,523	34,384	0			34,663	
4.90%	7	FY 2014	4.03%	12							15,288	15,210	0			0	
7.80%	-	FY 2015	8.67%	12								33,970	0			0	
	8	Total Additional Service Revenue Required			0	13,687	27,638	41,793	55,560	90,018	104,964	138,516	13,687			228,696	
	9	Total Wastewater Service Revenue			299,070	313,868	326,229	338,524	348,380	381,037	394,196	425,963	313,868			2,007,108	
	10	Transfer From (To) Rate Stabilization Fund			(8,830)	(13,365)	80	(45)	(945)	(305)	(160)	(345)	(13,365)	Line 40		(23,410)	
		Other Income															
	11	Other Operating Revenue			11,363	11,323	11,280	11,236	11,192	11,150	11,109	11,067	11,323	Rreq-4 + Rreq-21		67,544	
	12	Construction Fund Interest Income			1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539	2,450	Rreq-15		16,234	
	13	Debt Reserve Fund Interest Income			0	0	0	0	0	0	0	0	0	Rreq-16-.6*4138		0	
	14	Operating Fund Interest Income			658	592	317	331	390	429	440	459	592	Rreq-17		2,717	
	15	Rate Stabilization Interest Income			2,142	1,764	1,398	1,018	917	769	775	780	1,764	Rreq-19		8,008	
	16	Revenues			305,917	316,632	342,636	352,989	363,149	396,878	409,131	442,463	316,632		2,356	2,078,201	
		OPERATING EXPENSE															
	17	Wastewater Operations			161,564	171,236	177,386	186,726	198,405	208,477	219,092	230,328	171,236	Rreq-6		1,103,794	
	18	Direct Interdepartmental Charges			34,194	36,028	37,070	38,421	40,112	41,592	43,136	44,748	36,028	Rreq-6		227,417	
	19	Water Treatment Plant Sludge			(7,236)	(7,629)	(7,879)	(8,214)	(8,518)	(9,254)	(9,621)	(10,357)	(7,629)	Rreq-23		(48,730)	
	20	Total Operating Expense			188,522	199,635	206,577	216,933	229,999	240815	252,607	264,719	199,635			1,282,481	
	21	NET REVENUES AFTER OPERATIONS			117,395	116,997	136,059	136,056	133,150	156,063	156,524	177,744	116,997	Line 16 - line 20		795,720	
		DEBT SERVICE															
		Senior Debt Service															
		Revenue Bonds															
	22	Outstanding Bonds			97,828	97,495	98,484	98,479	96,057	98,227	98,613	98,613	97,495	Rreq-5		586,570	
	23	Pennvest Parity Bonds			0	0	0	0	0	0	0	0	0	Rreq-2		0	
	24	Projected Future Bonds			0	0	14,897	14,897	14,897	31,823	31,823	49,506	0	Rreq-12		76,514	
	25	Total Senior Debt Service			97,828	97,495	113,381	113,376	110,954	130,050	130,436	148,119	97,495			663,084	
	26	Total Senior Debt Service Coverage			1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x				
		Subordinate Debt Service															
	27	Outstanding General Obligation Bonds			0	0	0	0	0	0	0	0	0	Rreq-5		0	
	28	Pennvest Subordinate Bonds			0	0	0	0	0	0	0	0	0	Rreq-12		0	
	29	Total Subordinate Debt Service			0	0	0	0	0	0	0	0	0			0	
	30	Total Debt Service on Bonds			97,828	97,495	113,381	113,376	110,954	130,050	130,436	148,119	97,495			663,084	
	31	CAPITAL ACCOUNT DEPOSIT (b)			10,158	10,381	10,604	10,827	11,051	11,274	11,497	11,721	10,381	Rreq-20		64,295	
	32	TOTAL COVERAGE (L21/(L30+L31)			1.08 x	1.08 x	1.09 x	1.09 x	1.09 x	1.10 x	1.10 x	1.11 x	1.08 x				
		RESIDUAL FUND															
	33	Beginning of Year Balance			7,494	8,003	7,324	5,198	3,551	2,196	3,535	5,326	8,003	Rreq-2		33,769	
		Interest Income			0	0	0	0	0	0	0	0	0	Rreq-19		0	
		Deposits															
	34	End of Year Revenue Fund Balance			9,409	9,121	12,074	11,853	11,145	14,739	14,591	17,904	9,121	Line 21 - line 30 - line 31		68,341	
	35	Deposit for Transfer to City General Fund			1,324	1,474	1,626	1,626	2,251	2,466	2,577	2,913	1,474	Rreq-22 *0.6		10,767	
		Less															
	36	Transfer to Construction Fund			8,900	9,800	14,200	13,500	12,500	13,400	12,800	13,000	9,800	Rreq-22 - Rreq-23		72,300	
	37	Transfer to City General Fund			1,324	1,474	1,626	1,626	2,251	2,466	2,577	2,913	1,474	Line 35		10,767	
	38	End of Year Balance			8,003	7,324	5,198	3,551	2,196	3,535	5,326	10,230	7,324	Line 33 + line 0 + line 34 + line 35 - line 36 - line 37		29,810	
		RATE STABILIZATION FUND															
	-			MAX -->>	- na -	- na -	(34,014)	- na -	- na -	- na -	- na -	- na -	- na -				
	-			REQ'D. -->>	8,831	13,368	(78)	50	950	308	161	346	13,368			23,429	
	39	Balance Available for Sewer Utility			140,819	112,694	92,529	66,579	46,789	47,869	48,249	48,474	112,694	Rreq-2		507,276	
	40	Deposit From (To) Revenue Fund			8,830	13,365	(80)	45	945	305	160	345	13,365	Rreq-22 - Rreq-23		23,410	
	41	End of Year Combined Utilities Balance			149,649	126,059	92,449	66,624	47,734	48,174	48,409	48,819	126,059	Line 39 + line 40		530,686	

(a) Revenue from rates effective July 1, 2007.
(b) Transfers made at end of each fiscal year.

TABLE - 5

SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE
WATER UTILITY
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	
	Revenue Bonds									
1	Existing	75,632	74,070	73,076	73,071	75,204	76,147	76,238	76,238	Rreq-23
	Proposed									
2	Fiscal Year 2008 Issue	0	0	0	0	0	0	0	0	Rreq-12
3	Fiscal Year 2009 Issue		0	6,245	6,245	6,245	6,245	6,245	6,245	Rreq-12
4	Fiscal Year 2010 Issue			0	0	0	0	0	0	Rreq-12
5	Fiscal Year 2011 Issue				0	0	0	0	0	Rreq-12
6	Fiscal Year 2012 Issue					0	7,156	7,156	7,156	Rreq-12
7	Fiscal Year 2013 Issue						0	0	0	Rreq-12
8	Fiscal Year 2014 Issue							0	7,431	Rreq-12
9	Fiscal Year 2015 Issue								0	Rreq-12
10	Total Proposed	0	0	6,245	6,245	6,245	13,401	13,401	20,832	
11	Total Revenue Bonds	75,632	74,070	79,321	79,316	81,449	89,548	89,639	97,070	
12	General Obligation Bonds	0	0	0	0	0	0	0	0	Rreq-23
	Pennvest Loans									
13	Pennvest Loans-Exist. & Prop. Revenue Bonds	384	384	384	384	384	384	384	384	Rreq-2
14	Pennvest Loans-Exist. & Prop. GO Bonds	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	Rreq-2
15	Total Debt Service	77,243	75,681	80,932	80,927	83,060	91,159	91,250	98,681	

TABLE - 10

SUMMARY OF EXISTING AND PROPOSED DEBT SERVICE
WASTEWATER UTILITY
(in thousands of dollars)

Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	
	Revenue Bonds									
1	Existing	97,828	97,495	98,484	98,479	96,057	98,227	98,613	98,613	Rreq-24
	Proposed									
2	Fiscal Year 2008 Issue	0	0	0	0	0	0	0	0	Rreq-12 & Rreq-25
3	Fiscal Year 2009 Issue		0	14,897	14,897	14,897	14,897	14,897	14,897	Rreq-12 & Rreq-25
4	Fiscal Year 2010 Issue			0	0	0	0	0	0	Rreq-12 & Rreq-25
5	Fiscal Year 2011 Issue				0	0	0	0	0	Rreq-12 & Rreq-25
6	Fiscal Year 2012 Issue					0	16,926	16,926	16,926	Rreq-12 & Rreq-25
7	Fiscal Year 2013 Issue						0	0	0	Rreq-12 & Rreq-25
8	Fiscal Year 2014 Issue							0	17,683	Rreq-12 & Rreq-25
9	Fiscal Year 2015 Issue								0	Rreq-12 & Rreq-25
10	Total Proposed	0	0	14,897	14,897	14,897	31,823	31,823	49,506	
11	Total Revenue Bonds	97,828	97,495	113,381	113,376	110,954	130,050	130,436	148,119	
12	General Obligation Bonds	0	0	0	0	0	0	0	0	Rreq-24
	Pennvest Loans									
13	Pennvest Loans-Exist. & Prop. Revenue Bonds	0	0	0	0	0	0	0	0	Rreq-2
14	Pennvest Loans-Exist. & Prop. GO Bonds	0	0	0	0	0	0	0	0	Rreq-2
15	Total Debt Service	97,828	97,495	113,381	113,376	110,954	130,050	130,436	148,119	

Reference: Rreq-23

TABLE - 14

ESTIMATED WATER UTILITY COST OF SERVICE
2009 TEST YEAR

Line No.		(1) Operating Expense	(2) Capital Cost	(3) Total					
		$	$	$					
	REVENUE REQUIREMENTS								
1	Operation and Maintenance Expense	120,030,000		120,030,000	147,488,000	Link to WCOS			
2	Water Treatment Plant Sludge	7,629,000		7,629,000					
	Existing Bond Debt Service								
3	Revenue Bonds		74,454,000	74,454,000					
4	GO Bonds		1,227,000	1,227,000					
5	Proposed Bond Debt Service		0	0					
6	Renewal and Replacement Fund Payment		7,798,000	7,798,000					
7	Direct Interdepartmental Charges	19,829,000		19,829,000					
8	Residual Fund Deposit	3,748,000	2,121,000	5,869,000			147,488,000	83,479,000	230,967,000
9	Deposit (From) To Rate Stabilization Fund	(23,598,000)	(13,357,000)	(36,955,000)			63.86%		
10	Subtotal	127,638,000	72,243,000	199,881,000					
	DEDUCTIONS OF FUNDS FROM OTHER SOURCES								
11	Other Operating Revenue	8,055,000		8,055,000					
	Nonoperating Income								
12	Interest	960,000	1,648,000	2,608,000					
13	Other	0	0						
14	Subtotal	9,015,000	1,648,000	10,663,000					
15	COST OF SERVICE TO BE DERIVED FROM RATES	118,623,000	70,595,000	189,218,000					

Reference: Rreq-24

TABLE - 26

ESTIMATED WASTEWATER UTILITY COST OF SERVICE
Test Year 2009

Line No.		(1) Operating Expense $	(2) Capital Cost $	(3) Total $
	REVENUE REQUIREMENTS			
1	Operation and Maintenance Expense	171,236,000		171,236,000
2	Water Treatment Plant Sludge	(5,686,000)	(1,943,000)	(7,629,000)
3	Existing Revenue Bonds		97,495,000	97,495,000
4	Existing GO Bonds and Pennvest		0	0
5	Proposed Bond Debt Service		0	0
6	Capital Account Deposit		10,381,000	10,381,000
7	Direct Interdepartmental Charges	36,028,000		36,028,000
8	Residual Fund Deposit	5,979,000	3,142,000	9,121,000
9	Deposit (From) To Rate Stabilization Fund	8,761,000	4,604,000	13,365,000
10	Subtotal	216,318,000	113,679,000	329,997,000
	DEDUCTIONS OF FUNDS FROM OTHER SOURCES			
11	Other Operating Revenue	11,323,000		11,323,000
	Nonoperating Income			
12	Interest	1,544,000	3,262,000	4,806,000
13	Other			
14	Subtotal	12,867,000	3,262,000	16,129,000
15	COST OF SERVICE TO BE DERIVED FROM RATES	203,451,000	110,417,000	313,868,000

Cost of Water Treatment Plant Sludge from SCOS08.xls = (7,628,854)
0

TABLE - 1

PROJECTED WATER UTILITY RECEIPTS
UNDER EXISTING RATES
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
	1	General Service Excluding Senior Citizens	137,196	136,001	134,247	132,398	130,550	128,775	127,010	125,251	136,001
Wrev-6	2	Senior Citizens	2,441	2,291	2,145	1,996	1,847	1,698	1,550	1,401	2,291
Wrev-6	3	Housing Authority	4,007	4,094	4,148	4,193	4,238	4,283	4,329	4,374	4,094
Wrev-6	4	Charities and Schools	6,949	7,006	7,021	7,021	7,021	7,021	7,021	7,021	7,006
	5	Subtotal General Customers	150,593	149,392	147,561	145,608	143,656	141,777	139,910	138,047	149,392
Wrev-6	6	Bucks County	4,453	4,453	4,453	4,453	4,453	4,453	4,453	4,453	4,453
	7	Philadelphia Suburban Water Company	3,096	2,603	2,558	2,558	2,558	2,558	2,558	2,558	2,603
Wrev-6	8	Municipal Service	5,963	7,522	7,522	7,522	7,522	7,522	7,522	7,522	7,522
	9	Public Fire Protection	7,248	6,986	6,986	6,986	6,986	6,986	6,986	6,986	6,986
	10	Private Fire Protection	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688
Rreq-23	11	Total Water Sales	173,041	172,644	170,768	168,815	166,863	164,984	163,117	161,254	172,644
	12	Other Operating Revenues	8,112	8,055	8,006	7,958	7,910	7,863	7,817	7,771	8,055
		Nonoperating Income									
Rreq-23	13	Interest Income on Debt Service Reserve Fund	0	0	0	0	0	0	0	0	0
Rreq-23	14	Interest Income on Construction Fund	815	1,104	1,406	777	1,338	1,676	1,343	2,181	1,104
	15	Subtotal Interest Income on Capital Funds	815	1,104	1,406	777	1,338	1,676	1,343	2,181	1,104
Rreq-23	16	Other (b)	1,769	1,504	1,096	883	895	824	829	838	1,504
	17	Total Nonoperating Income	2,584	2,608	2,502	1,660	2,233	2,500	2,172	3,019	2,608
	18	Total Receipts	183,737	183,307	181,276	178,433	177,006	175,347	173,106	172,044	183,307

(a) Includes interest income on Operating and Rate Stabilization Funds.

TABLE - 6

PROJECTED WASTEWATER UTILITY RECEIPTS
UNDER EXISTING RATES
(in thousands of dollars)

Reference	Line No.		Fiscal Year Ending June 30 2008	2009	2010	2011	2012	2013	2014	2015	FY 2009 Test Year
	1	General Service Excluding Senior Citizens (a)	227,184	226,803	225,413	223,821	222,222	220,691	219,171	217,654	226,803
Cust-27	2	Senior Citizens	3,942	3,692	3,455	3,215	2,975	2,734	2,495	2,255	3,692
Cust-27	3	Housing Authority	6,534	6,651	6,738	6,811	6,886	6,959	7,033	7,106	6,651
Cust-27	4	Charities and Schools	18,585	18,704	18,733	18,734	18,734	18,734	18,734	18,734	18,704
		Other									0
	5	Subtotal General Customers	256,245	255,850	254,339	252,581	250,817	249,118	247,433	245,749	255,850
Cust-27	6	Municipal Service	12,928	14,487	14,487	14,487	14,487	14,487	14,487	14,487	14,487
Cust-27	7	Contract Service	25,239	25,282	25,305	25,305	23,259	23,259	23,259	23,259	25,282
	8	Surcharge	4,658	4,562	4,460	4,358	4,257	4,155	4,053	3,952	4,562
Rreq-24	9	Total Wastewater Sales	299,070	300,181	298,591	296,731	292,820	291,019	289,232	287,447	300,181
Cust-27 Rreq-21	10	Other Operating Revenues (b)	11,363	11,323	11,280	11,236	11,192	11,150	11,109	11,067	11,323
		Nonoperating Income									
Rreq-24	11	Interest Income on Debt Service Fund	0	0	0	0	0	0	0	0	0
Rreq-24	12	Interest Income on Construction Fund	1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539	2,450
		Subtotal Interest Income on Capital Funds	1,514	2,450	3,332	1,925	3,215	3,798	2,771	4,539	2,450
Rreq-24	13	Other (c)	2,800	2,356	1,715	1,349	1,307	1,198	1,215	1,239	2,356
	14	Total Nonoperating Income	4,314	4,806	5,047	3,274	4,522	4,996	3,986	5,778	4,806
	15	Total Receipts	314,747	316,310	314,918	311,241	308,534	307,165	304,327	304,292	316310

(a) Includes General Service, Scheduled (Flat Rate) and S Only (including Ground Water Charges)
(b) Includes $500,000.0 annually in Clean Streams Grant revenues.
(c) Includes interest income on Operating and Rate Stabilization Funds.

ANNUAL CASH CAPITAL IMPROVEMENT FINANCING REQUIREMENTS
(in thousands of dollars)

	(1)	(2)	(3)	(4)	(5)	(6)
Fiscal Year Ending June 30	Total Capital Improvements Rreq-10 Rreq-11	Net Cash Flow Adjustment (3) - (1)	Net Cash Financing Required Rreq-7	Financing Available From Non-Bond Sources (a) Rreq-12	Balance to be Financed from Bonds Rreq-12	Net Cash Flow Adjustment (2)
2008	142,225	(22,025)	120,200	32,788	0	(22,025)
2009	145,250	(22,250)	123,000	34,179	298,983	(22,250)
2010	158,319	(23,319)	135,000	40,570	0	(23,319)
2011	174,646	(27,646)	147,000	39,961	0	(27,646)
2012	187,256	(28,256)	159,000	39,352	320,668	(28,256)
2013	200,595	(29,595)	171,000	40,743	0	(29,595)
2014	208,619	(25,619)	183,000	40,134	334,411	(25,619)
2015	216,964	(21,964)	195,000	40,525	0	(21,964)
Total	1,433,874	(200,674)	1,233,200	308,252	954,062	(200,674)

(a) Capital Account Deposit and Transfer from Residual Account

CURRENTLY NOT IN USE

CURRENTLY NOT IN USE

Philadelphia Water Department (PWD)
Financial Planning and Rate Design Model - Rreq08

DESCRIPTION OF FILE:

This file contains linked references to and from other worksheet files.

The "Links" worksheet passes information to and from other model worksheets

Links to SCOS Model File

Ref: Cust-23

	Total Number of Bills
General Service (excluding Senior Citizens)	
Bills	
5/8"	5,165,036
>5/8"	112,457
Total Bills	5,277,493
Equivalent Bills	
Senior Citizens	
Bills	
5/8"	197,507
>5/8"	36
Total Bills	197,543
Equivalent Bills	
Housing Authority	
Bills	76,020
Equivalent Bills	
Charities & Schools	
"N" Charities	
Bills	4,140
Equivalent Bills	
"6 Cent" Charities	
Bills	34,176
Equivalent Bills	
Municipal 820)	
Bills	14,867
Equivalent Bills	

Links to SCOS Model File
UNITS OF WASTEWATER SERVICE
Average Test Year

Ref: Cust-23

Customer Class	FY 2009 Test Year (7)
	Mcf
General Service (5/8)	3,792,163
General Service (>5/8)	1,842,110
Senior Citizens (5/8)	98,801
Senior Citizens (>5/8)	83
Water Plant Sludge	535,349
Housing Authority	221,700
"N" Charities	267,470
"6 Cent" Charities	262,338
Scheduled (Flat Rate)	0
Unmetered (Wells)	150,000
Fire Meters	2,750
Leased Properties (821)	0
Municipal (820)	535,000
Subtotal Retail Sanitary	7,707,764

Links to SCOS Model File

Ref: Cust-12

Township	Test Year 2009 Wastewater Flows mg	Projected BOD mg/l	Projected SS mg/l
Abington	800	155	183
Bensalem	1,200	238	223
Bucks County	7,250	163	194
Cheltenham	2,700	117	133
DELCORA	10,500	128	143
Lower Merion	2,475	144	168
Lower Moreland	475	121	150
Lower Southampton	2,425	126	190
Springfield (w/o Wyndmoor)	1,000	223	234
Springfield (Wyndmoor)	160	69	87
Upper Darby	4,275	133	156

Links to SCOS Model File

Ref: Rreq-28

COST OF SERVICE TO BE DERIVED FROM RATES	
Operating Expense	$203,451,000
Capital Costs	$110,417,000
Total COS	$313,868,000
Water Treatment Plant	Rreq-28
Allocated Sludge Costs	7,629,000
Contract Customers Test Year	Cust-16
Receipts Under Existing Rates	$25,282,000

Links to SCOS Model File

Descr.: TY O&M Expenses - Combined W&S
Ref: OMtwo-2 OMtwo-3

Summary of Combined
O&M Expense Projections

		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
		$	$	$	$	$	$	$	$
Operations Division:									
Cl 100		66,967,000	69,774,200	71,538,000	74,063,600	77,420,700	80,149,800	82,972,900	85,893,300
Cl 200		63,903,000	63,713,100	65,522,000	69,357,750	74,620,500	78,092,600	81,761,400	85,639,800
Cl 300		34,589,000	39,938,500	42,580,500	45,431,700	48,510,100	51,835,300	55,428,500	59,312,900
Cl 400		1,203,000	1,389,300	1,431,000	1,473,900	1,518,100	1,563,600	1,610,500	1,658,800
Total		166,662,000	174,815,100	181,071,500	190,326,950	202,069,400	211,641,300	221,773,300	232,504,800
Interdepartmental Charges:									
WRB		19,855,000	20,302,700	20,818,300	21,442,900	22,184,500	22,850,100	23,535,600	24,241,700
Law Department		2,768,000	2,989,100	3,056,600	3,148,200	3,265,900	3,363,800	3,464,700	3,568,700
Public Properties		2,959,000	3,541,600	3,647,800	3,757,200	3,869,900	3,986,000	4,105,600	4,228,800
Water Dept. (Xfer to Gen'l. Fund)		18,953,000	20,580,900	20,992,500	21,622,300	22,487,200	23,161,800	23,856,700	24,572,400
Total		44,535,000	47,414,300	48,515,200	49,970,600	51,807,500	53,361,700	54,962,600	56,611,600
Human Resources:									
Cl 100		1,399,000	1,481,700	1,520,100	1,574,700	1,647,100	1,706,100	1,767,200	1,830,500
Cl 200		1,125,000	1,230,400	1,267,300	1,305,300	1,344,500	1,384,800	1,426,300	1,469,100
Cl 300		66,000	121,600	125,200	129,000	132,900	136,900	141,000	145,200
Cl 400		6,000	5,600	5,800	6,000	6,200	6,400	6,600	6,800
Total		2,596,000	2,839,300	2,918,400	3,015,000	3,130,700	3,234,200	3,341,100	3,451,600
Finance and Administration:									
Cl 100		7,122,000	7,446,400	7,635,900	7,906,800	8,266,600	8,559,400	8,862,300	9,175,800
Cl 200		5,480,000	5,511,300	5,444,900	5,608,200	5,776,400	5,949,700	6,128,200	6,312,000
Cl 300		885,000	989,900	1,019,600	1,050,200	1,081,700	1,114,200	1,147,600	1,182,000
Cl 400		122,000	480,800	495,200	510,100	525,400	541,200	557,400	574,100
Total		13,609,000	14,428,400	14,595,600	15,075,300	15,650,100	16,164,500	16,695,500	17,243,900
Planning and Engineering:									
Cl 100		8,831,000	9,754,900	10,003,200	10,358,100	10,829,400	11,213,000	11,609,900	12,020,500
Cl 200		10,986,000	14,835,900	14,354,000	14,784,600	15,228,100	15,684,900	16,155,400	16,640,100
Cl 300		1,016,000	1,143,100	1,177,400	1,212,700	1,249,100	1,286,600	1,325,200	1,365,000
Cl 400		786,000	1,120,800	1,154,400	1,189,000	1,224,700	1,261,400	1,299,200	1,338,200
Total		21,619,000	26,854,700	26,689,000	27,544,400	28,531,300	29,445,900	30,389,700	31,363,800
Information Science & Technology									
Cl 100		3,297,000	3,586,900	3,678,400	3,809,200	3,982,700	4,124,000	4,270,200	4,421,500
Cl 200		2,379,000	2,477,800	2,552,100	2,628,700	2,707,600	2,788,800	2,872,500	2,958,700
Cl 300		209,000	209,800	216,100	222,600	229,300	236,200	243,300	250,600
Cl 400		193,000	237,800	244,900	252,200	259,800	267,600	275,600	283,900
Total		6,078,000	6,512,300	6,691,500	6,912,700	7,179,400	7,416,600	7,661,600	7,914,700
Customer Affairs:									
Cl 100		1,442,000	1,639,500	1,682,600	1,743,800	1,824,700	1,890,900	1,959,400	2,030,400
Cl 200		1,964,000	2,333,000	2,403,000	2,475,100	2,549,400	2,625,900	2,704,700	2,785,800
Cl 300		199,000	204,200	210,300	216,600	223,100	229,800	236,700	243,800
Cl 400		11,000	11,300	11,600	11,900	12,300	12,700	13,100	13,500
Total		3,616,000	4,188,000	4,307,500	4,447,400	4,609,500	4,759,300	4,913,900	5,073,500
Total Water Department:									
Cl 100		89,058,000	93,683,600	96,058,200	99,456,200	103,971,200	107,643,200	111,441,900	115,372,000
Cl 200		85,837,000	90,101,500	91,543,300	96,159,650	102,226,500	106,526,700	111,048,500	115,805,500
Cl 300		36,964,000	42,607,100	45,329,100	48,262,800	51,426,200	54,839,000	58,522,300	62,499,500
Cl 400		2,321,000	3,245,600	3,342,900	3,443,100	3,546,500	3,652,900	3,762,400	3,875,300
Cl 500									
Fringe Benefits @.....	72.81%	73,300,000	76,799,900	81,849,400	88,084,700	95,712,900	102,999,600	110,838,600	119,272,100
Indemnities		6,270,000	6,270,000	6,458,100	6,651,800	6,851,400	7,056,900	7,268,600	7,486,700
Subtotal		293,750,000	312,707,700	324,581,000	342,058,250	363,734,700	382,718,300	402,882,300	424,311,100
Interdepartmental		44,535,000	47,414,300	48,515,200	49,970,600	51,807,500	53,361,700	54,962,600	56,611,600
Total		338,285,000	360,122,000	373,096,200	392,028,850	415,542,200	436,080,000	457,844,900	480,922,700

Cash Flow Figures

Links to SCOS Model File

Descr.: TY O&M Expenses - W&S Split
Ref: OMtwo-5 OMtwo-6

Summary of Water Utility
O & M Expense Projections

		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Operations Division:									
Cl 100		27,173,000	28,313,200	29,029,000	30,053,838	31,414,700	32,521,800	33,667,900	34,854,300
Cl 200		18,697,500	18,822,500	19,345,800	20,701,300	22,637,100	23,786,900	25,048,076	26,388,300
Cl 300		21,896,500	25,491,300	27,382,100	29,433,300	31,654,400	34,062,500	36,677,100	39,510,500
Cl 400		471,000	543,300	560,000	576,900	594,100	612,600	629,500	649,800
Total		68,238,000	73,170,300	76,316,900	80,765,338	86,300,300	90,983,800	96,022,576	101,402,900
Interdepartmental Charges:									
WRB		6,909,540	7,065,340	7,244,768	7,462,129	7,720,206	7,951,835	8,190,389	8,436,112
Law Department		1,024,160	1,105,967	1,130,942	1,164,834	1,208,383	1,244,606	1,281,939	1,320,419
Public Properties		1,065,240	1,274,976	1,313,208	1,352,592	1,393,164	1,434,960	1,478,016	1,522,368
Water Dept. (Xfer to Gen'l. Fund)		6,823,080	7,409,124	7,557,300	7,784,028	8,095,392	8,338,248	8,588,412	8,846,064
Total		15,822,020	16,855,407	17,246,218	17,763,583	18,417,145	18,969,649	19,538,756	20,124,963
Human Resources:									
Cl 100		433,690	459,327	471,231	488,157	510,601	528,891	547,832	567,455
Cl 200		348,750	381,424	392,863	404,643	416,795	429,288	442,153	455,421
Cl 300		20,460	37,696	38,812	39,990	41,199	42,439	43,710	45,012
Cl 400		1,860	1,736	1,798	1,860	1,922	1,984	2,046	2,108
Total		804,760	880,183	904,704	934,650	970,517	1,002,602	1,035,741	1,069,996
Finance and Administration:									
Cl 100		2,706,360	2,829,632	2,901,642	3,004,584	3,141,308	3,252,572	3,367,674	3,486,804
Cl 200		2,082,400	2,094,294	2,069,062	2,131,116	2,195,032	2,260,886	2,328,716	2,398,560
Cl 300		336,300	376,162	387,448	399,076	411,046	423,396	436,088	449,160
Cl 400		46,360	182,704	188,176	193,838	199,652	205,656	211,812	218,158
Total		5,171,420	5,482,792	5,546,328	5,728,614	5,947,038	6,142,510	6,344,290	6,552,682
Planning and Engineering:									
Cl 100		3,135,005	3,462,990	3,551,136	3,677,126	3,844,437	3,980,615	4,121,515	4,267,278
Cl 200		4,383,414	5,919,524	5,727,246	5,899,055	6,076,012	6,258,275	6,446,005	6,639,400
Cl 300		406,400	457,240	470,960	485,080	499,640	514,640	530,080	546,000
Cl 400		314,400	448,320	461,760	475,600	489,880	504,560	519,680	535,280
Total		8,239,219	10,288,074	10,211,102	10,536,861	10,909,969	11,258,090	11,617,280	11,987,958
Information Science & Technology									
Cl 100		1,701,252	1,850,840	1,898,054	1,965,547	2,055,073	2,127,984	2,203,423	2,281,494
Cl 200		1,308,450	1,362,790	1,403,655	1,445,785	1,489,180	1,533,840	1,579,875	1,627,285
Cl 300		114,950	115,390	118,855	122,430	126,115	129,910	133,815	137,830
Cl 400		106,150	130,790	134,695	138,710	142,890	147,180	151,580	156,145
Total		3,230,802	3,459,810	3,555,259	3,672,472	3,813,258	3,938,914	4,068,693	4,202,754
Customer Affairs:									
Cl 100		721,000	819,750	841,300	871,900	912,350	945,450	979,700	1,015,200
Cl 200		982,000	1,166,500	1,201,500	1,237,550	1,274,700	1,312,950	1,352,350	1,392,900
Cl 300		99,500	102,100	105,150	108,300	111,550	114,900	118,350	121,900
Cl 400		5,500	5,650	5,800	5,950	6,150	6,350	6,550	6,750
Total		1,808,000	2,094,000	2,153,750	2,223,700	2,304,750	2,379,650	2,456,950	2,536,750
Total Water Department:									
Cl 100		35,870,307	37,735,739	38,692,363	40,061,152	41,878,469	43,357,312	44,888,044	46,472,531
Cl 200		27,802,514	29,747,032	30,140,126	31,819,449	34,088,819	35,582,139	37,197,175	38,901,866
Cl 300		22,874,110	26,579,888	28,503,325	30,588,176	32,843,950	35,287,785	37,939,143	40,810,402
Cl 400		945,270	1,312,500	1,352,229	1,392,858	1,434,594	1,478,330	1,521,168	1,568,241
Cl 500									
Fringe Benefits @.....	72.81%	29,092,776	30,507,942	32,516,021	34,995,404	38,027,366	40,924,843	44,042,866	47,398,294
Indemnities		2,319,900	2,319,900	2,389,497	2,461,166	2,535,018	2,611,053	2,689,382	2,770,079
Subtotal		118,904,877	128,203,001	133,593,561	141,318,205	150,808,216	159,241,462	168,277,778	177,921,413
Interdepartmental		15,822,020	16,855,407	17,246,218	17,763,583	18,417,145	18,969,649	19,538,756	20,124,963
Total		134,726,897	145,058,408	150,839,779	159,081,788	169,225,361	178,211,111	187,816,534	198,046,376

Links to SCOS Model File

Descr.: TY O&M Expenses - W&S Split
Ref: OMtwo-7 OMtwo-8

Summary of Sewer Utility
O & M Expense Projections

		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Operations Division:									
Cl 100		39,794,000	41,461,000	42,509,000	44,009,762	46,006,000	47,628,000	49,305,000	51,039,000
Cl 200		45,205,500	44,890,600	46,176,200	48,656,450	51,983,400	54,305,700	56,713,324	59,251,500
Cl 300		12,692,500	14,447,200	15,198,400	15,998,400	16,855,700	17,772,800	18,751,400	19,802,400
Cl 400		732,000	846,000	871,000	897,000	924,000	951,000	981,000	1,009,000
Total		98,424,000	101,644,800	104,754,600	109,561,612	115,769,100	120,657,500	125,750,724	131,101,900
Interdepartmental Charges:									
WRB		12,945,460	13,237,360	13,573,532	13,980,771	14,464,294	14,898,265	15,345,211	15,805,588
Law Department		1,743,840	1,883,133	1,925,658	1,983,366	2,057,517	2,119,194	2,182,761	2,248,281
Public Properties		1,893,760	2,266,624	2,334,592	2,404,608	2,476,736	2,551,040	2,627,584	2,706,432
Water Dept. (Xfer to Gen'l. Fund)		12,129,920	13,171,776	13,435,200	13,838,272	14,391,808	14,823,552	15,268,288	15,726,336
Total		28,712,980	30,558,893	31,268,982	32,207,017	33,390,355	34,392,051	35,423,844	36,486,637
Human Resources:									
Cl 100		965,310	1,022,373	1,048,869	1,086,543	1,136,499	1,177,209	1,219,368	1,263,045
Cl 200		776,250	848,976	874,437	900,657	927,705	955,512	984,147	1,013,679
Cl 300		45,540	83,904	86,388	89,010	91,701	94,461	97,290	100,188
Cl 400		4,140	3,864	4,002	4,140	4,278	4,416	4,554	4,692
Total		1,791,240	1,959,117	2,013,696	2,080,350	2,160,183	2,231,598	2,305,359	2,381,604
Finance and Administration:									
Cl 100		4,415,640	4,616,768	4,734,258	4,902,216	5,125,292	5,306,828	5,494,626	5,688,996
Cl 200		3,397,600	3,417,006	3,375,838	3,477,084	3,581,368	3,688,814	3,799,484	3,913,440
Cl 300		548,700	613,738	632,152	651,124	670,654	690,804	711,512	732,840
Cl 400		75,640	298,096	307,024	316,262	325,748	335,544	345,588	355,942
Total		8,437,580	8,945,608	9,049,272	9,346,686	9,703,062	10,021,990	10,351,210	10,691,218
Planning and Engineering:									
Cl 100		5,695,995	6,291,910	6,452,064	6,680,974	6,984,963	7,232,385	7,488,385	7,753,222
Cl 200		6,602,586	8,916,376	8,626,754	8,885,545	9,152,088	9,426,625	9,709,395	10,000,700
Cl 300		609,600	685,860	706,440	727,620	749,460	771,960	795,120	819,000
Cl 400		471,600	672,480	692,640	713,400	734,820	756,840	779,520	802,920
Total		13,379,781	16,566,626	16,477,898	17,007,539	17,621,331	18,187,810	18,772,420	19,375,842
Information Science & Technology									
Cl 100		1,595,748	1,736,060	1,780,346	1,843,653	1,927,627	1,996,016	2,066,777	2,140,006
Cl 200		1,070,550	1,115,010	1,148,445	1,182,915	1,218,420	1,254,960	1,292,625	1,331,415
Cl 300		94,050	94,410	97,245	100,170	103,185	106,290	109,485	112,770
Cl 400		86,850	107,010	110,205	113,490	116,910	120,420	124,020	127,755
Total		2,847,198	3,052,490	3,136,241	3,240,228	3,366,142	3,477,686	3,592,907	3,711,946
Customer Affairs:									
Cl 100		721,000	819,750	841,300	871,900	912,350	945,450	979,700	1,015,200
Cl 200		982,000	1,166,500	1,201,500	1,237,550	1,274,700	1,312,950	1,352,350	1,392,900
Cl 300		99,500	102,100	105,150	108,300	111,550	114,900	118,350	121,900
Cl 400		5,500	5,650	5,800	5,950	6,150	6,350	6,550	6,750
Total		1,808,000	2,094,000	2,153,750	2,223,700	2,304,750	2,379,650	2,456,950	2,536,750
Total Water Department:									
Cl 100		53,187,693	55,947,861	57,365,837	59,395,048	62,092,731	64,285,888	66,553,856	68,899,469
Cl 200		58,034,486	60,354,468	61,403,174	64,340,201	68,137,681	70,944,561	73,851,325	76,903,634
Cl 300		14,089,890	16,027,212	16,825,775	17,674,624	18,582,250	19,551,215	20,583,157	21,689,098
Cl 400		1,375,730	1,933,100	1,990,671	2,050,242	2,111,906	2,174,570	2,241,232	2,307,059
Cl 500									
Fringe Benefits @.....	72.81%	44,207,224	46,291,958	49,333,379	53,089,296	57,685,534	62,074,757	66,795,734	71,873,806
Indemnities		3,950,100	3,950,100	4,068,603	4,190,634	4,316,382	4,445,847	4,579,218	4,716,621
Subtotal		174,845,123	184,504,699	190,987,439	200,740,045	212,926,484	223,476,838	234,604,522	246,389,687
Interdepartmental		28,712,980	30,558,893	31,268,982	32,207,017	33,390,355	34,392,051	35,423,844	36,486,637
Total		203,558,103	215,063,592	222,256,421	232,947,062	246,316,839	257,868,889	270,028,366	282,876,324

SPLIT OF TOTAL FRINGES FROM O&M-2

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Ref: OMtwo-6 OMtwo-8

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Human Resources	703,110	745,959	795,915	857,532	932,811	1,004,847	1,082,472	1,166,100
Finance and Administration	3,214,700	3,368,708	3,592,590	3,868,862	4,206,700	4,529,968	4,877,850	5,252,454
Planning & Engineering	4,147,350	4,590,981	4,896,195	5,272,681	5,733,082	6,173,617	6,647,821	7,158,274
Information Science & Tech.	1,162,084	1,266,725	1,351,038	1,455,049	1,582,148	1,703,825	1,834,796	1,975,785
Operations	28,974,206	30,252,764	32,258,126	34,732,865	37,760,649	40,655,636	43,770,637	47,122,357
Customer Affairs	525,000	598,150	638,400	688,100	748,850	807,050	869,750	937,300
Dept. Of Revenue (Wrb)	4,549,004	4,449,835	4,720,350	5,056,456	5,469,106	5,858,481	6,275,630	6,722,446
Law Dept.	931,770	1,018,836	1,080,765	1,157,751	1,252,188	1,341,333	1,436,778	1,539,090
Total	44,207,224	46,291,958	49,333,379	53,089,296	57,685,534	62,074,757	66,795,734	71,873,806
Law Dept. - Water	547,230	598,364	634,735	679,949	735,412	787,767	843,822	903,910

Links to SCOS Model File

Descr.: Operations Division O&M - Class 100
Ref: OMtwo-9 OMtwo-10

Operations Division	Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
Class 100	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
DIRECT COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Baxter Treatment Plant	2,767,000		2,884,200		2,957,000		3,060,000		3,199,700		3,311,800		3,427,900		3,549,300	
Queen Lane Treatment Plant	2,565,000		2,673,000		2,741,000		2,837,000		2,966,000		3,070,000		3,179,000		3,291,000	
Belmont Treatment Plant	2,398,000		2,499,000		2,562,000		2,653,000		2,773,000		2,871,000		2,972,000		3,076,000	
Conveyance Headquarters	543,000		566,000		580,000		601,000		628,000		650,000		673,000		697,000	
Load Control	1,106,000		1,152,000		1,181,000		1,223,000		1,278,000		1,323,000		1,370,000		1,418,000	
Distribution	12,084,000		12,591,000		12,909,000		13,365,000		13,971,000		14,463,000		14,973,000		15,500,000	
Pumping	1,935,000	0	2,016,000	0	2,067,000	0	2,140,000	0	2,237,000	0	2,316,000	0	2,397,000	0	2,482,000	0
Emergency & Support Services	0		0		0		0		0		0		0		0	
	23,398,000	0	24,381,200	0	24,997,000	0	25,879,000	0	27,052,700	0	28,004,800	0	28,991,900	0	30,013,300	0
Sludge Engineering Services		0		0		0		0		0		0		0		0
Sludge Utilization		0		0		0		0		0		0		0		0
Sludge Processing		3,632,000		3,784,000		3,880,000		4,017,000		4,199,000		4,347,000		4,500,000		4,658,000
NEWPCP		6,306,000		6,570,000		6,736,000		6,974,000		7,290,000		7,547,000		7,813,000		8,088,000
SWWPCP		6,555,000		6,830,000		7,003,000		7,250,000		7,578,000		7,846,000		8,122,000		8,408,000
SEWPCP		3,228,000		3,363,000		3,448,000		3,570,000		3,732,000		3,863,000		3,999,000		4,140,000
Industrial Waste		1,029,000		1,072,000		1,099,000		1,138,000		1,189,000		1,231,000		1,275,000		1,320,000
Sewer Maintenance		6,873,000		7,161,000		7,342,000		7,601,000		7,946,000		8,226,000		8,516,000		8,815,000
Inlet Cleaning		3,993,000		4,160,000		4,265,000		4,416,000		4,616,000		4,779,000		4,947,000		5,121,000
Interceptors/Flow Control		3,065,000		3,193,000		3,274,000		3,389,000		3,543,000		3,668,000		3,797,000		3,931,000
Data & Flow Control		0		0		0		0		0		0		0		0
Collector System Support		1,342,000		1,398,000		1,433,000		1,484,000		1,551,000		1,606,000		1,662,000		1,721,000
		36,023,000		37,531,000		38,480,000		39,839,000		41,644,000		43,113,000		44,631,000		46,202,000
	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
ALLOCATED COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Treatment Headquarters	256,000	255,000	266,000	266,000	273,000	272,000	283,000	282,000	295,000	295,000	306,000	305,000	317,000	316,000	328,000	327,000
Machine Shops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Administration	1,304,000	1,303,000	1,358,000	1,358,000	1,393,000	1,392,000	1,442,000	1,441,000	1,507,000	1,507,000	1,560,000	1,560,000	1,615,000	1,615,000	1,672,000	1,671,000
Materials Management	810,000	809,000	844,000	843,000	865,000	865,000	896,000	895,000	936,000	936,000	969,000	969,000	1,003,000	1,003,000	1,039,000	1,038,000
Customer Service	525,000	525,000	547,000	547,000	561,000	561,000	581,000	580,000	607,000	607,000	629,000	628,000	651,000	650,000	674,000	673,000
Meter Shop	880,000	879,000	917,000	916,000	940,000	939,000	973,000	973,000	1,017,000	1,017,000	1,053,000	1,053,000	1,090,000	1,090,000	1,128,000	1,128,000
Automotive Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,775,000	3,771,000	3,932,000	3,930,000	4,032,000	4,029,000	4,175,000	4,171,000	4,362,000	4,362,000	4,517,000	4,515,000	4,676,000	4,674,000	4,841,000	4,837,000
Total Class 100	27,173,000	39,794,000	28,313,200	41,461,000	29,029,000	42,509,000	30,054,000	44,010,000	31,414,700	46,006,000	32,521,800	47,628,000	33,667,900	49,305,000	34,854,300	51,039,000

Links to SCOS Model File

Descr.: Operations Division O&M - Class 200
Ref: OMtwo-11 OMtwo-12

	Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
CLASS 200 (Including Power)	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
DIRECT COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Baxter Treatment Plant	989,700		987,000		1,015,400		1,077,700		1,160,000		1,214,600		1,272,200		1,332,000	
Queen Lane Treatment Plant	843,600		842,000		866,000		917,100		988,200		1,034,300		1,083,500		1,135,900	
Belmont Treatment Plant	517,200		516,800		531,300		563,100		608,000		636,900		667,200		699,900	
Conveyance Headquarters	1,539,000		1,498,000		1,543,000		1,589,000		1,637,000		1,686,000		1,737,000		1,789,000	
Load Control	7,643,050		7,980,600		8,183,100		9,102,050		10,519,800		11,279,400		12,094,600		12,970,400	
Distribution	318,000		310,000		319,000		329,000		339,000		349,000		359,000		370,000	
Pumping	324,000	0	315,000	0	324,000	0	334,000	0	344,000	0	354,000	0	365,000	0	376,000	0
Emergency & Support Services	0		0		0		0		0		0		0		0	
	12,174,550	0	12,449,400	0	12,781,800	0	13,911,950	0	15,596,000	0	16,554,200	0	17,578,500	0	18,673,200	0
Biosolids Engr Services (d)		0		0		0		0		0		0		0		0
Biosolids Utilization (d)		(16,000)		(16,000)		(16,000)		(16,000)		(16,000)		(16,000)		(16,000)		(16,000)
Biosolids Processing (d)		14,871,300		14,449,100		14,956,000		15,528,000		16,150,000		16,741,800		17,353,500		17,986,400
NEWPCP (d)		5,331,900		5,436,700		5,623,600		6,188,400		7,018,400		7,505,100		8,023,900		8,577,100
SWWPCP (d)		4,910,600		5,057,900		5,221,900		5,795,100		6,654,300		7,140,400		7,660,000		8,215,600
SEWPCP (d)		1,728,900		1,788,500		1,847,500		2,061,500		2,384,700		2,565,000		2,758,300		2,965,600
Industrial Waste (d)		129,000		125,000		129,000		133,000		137,000		141,000		146,000		151,000
Sewer Maintenance (d)		2,582,600		2,516,800		2,600,600		2,701,000		2,814,600		2,917,700		3,024,000		3,134,500
Inlet Cleaning (d)		60,000		58,000		60,000		62,000		64,000		66,000		68,000		70,000
Interceptors/Flow Control (d)		2,747,600		2,763,400		2,853,700		3,078,100		3,397,400		3,596,100		3,807,100		4,030,200
Data & Flow Control (d)		0		0		0		0		0		0		0		0
Collector System Support (d)		9,000		9,000		9,000		9,000		9,000		9,000		9,000		9,000
Subtotal	0	32,354,900	0	32,188,400	0	33,285,300	0	35,540,100	0	38,613,400	0	40,666,100	0	42,833,800	0	45,123,400
Subtotal Direct Costs	12,174,550	32,354,900	12,449,400	32,188,400	12,781,800	33,285,300	13,911,950	35,540,100	15,596,000	38,613,400	16,554,200	40,666,100	17,578,500	42,833,800	18,673,200	45,123,400
	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
ALLOCATED COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Treatment Headquarters	60,000	59,000	58,000	57,900	60,000	59,000	62,000	61,000	64,000	63,000	66,000	65,000	68,000	67,000	70,000	69,000
Machine Shops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building Maintenance (Including Power)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Administration	3,542,950	3,542,950	3,472,050	3,472,650	3,574,950	3,574,950	3,711,350	3,710,350	3,871,050	3,871,050	4,006,650	4,005,650	4,146,600	4,146,600	4,293,100	4,293,100
Materials Management	135,000	134,000	131,000	130,900	135,000	135,000	139,000	139,000	143,000	143,000	148,000	147,000	152,000	152,000	157,000	156,000
Customer Service	2,663,000	2,663,000	2,593,000	2,592,200	2,671,000	2,670,000	2,751,000	2,750,000	2,833,000	2,833,000	2,918,000	2,918,000	3,006,000	3,005,000	3,096,000	3,095,000
Warranty Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meter Shop	122,000	122,000	119,000	118,600	123,000	122,000	126,000	126,000	130,000	130,000	94,000	174,000	97,000	179,000	99,000	185,000
Automotive Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6,522,950	6,520,950	6,373,050	6,372,250	6,563,950	6,560,950	6,789,350	6,786,350	7,041,050	7,040,050	7,232,650	7,309,650	7,469,600	7,549,600	7,715,100	7,798,100
Total Class 200	18,697,500	38,875,850	18,822,450	38,560,650	19,345,750	39,846,250	20,701,300	42,326,450	22,637,050	45,653,450	23,786,850	47,975,750	25,048,100	50,383,400	26,388,300	52,921,500

(d) Less Liquidated Encumbrances - Sewer Utility

Descr.: Operations Division O&M - Class 200 (Including Power)
Ref: OMone-11 OMtwo-11 OMtwo-12 Rreq-20
Rangename: DETAIL

		Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
	FY' 06-07 2 year Average	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $	Unadjusted Class 200 $	Liquidated Encumbrances $
Sludge Engineering Services	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Utilization	0.25%	0	16,000	0	16,000	0	16,000	0	16,000	0	16,000	0	16,000	0	16,000	0	16,000
Sludge Processing	40.25%	17,419,300	2,548,000	16,997,100	2,548,000	17,504,000	2,548,000	18,076,000	2,548,000	18,698,000	2,548,000	19,289,800	2,548,000	19,901,500	2,548,000	20,534,400	2,548,000
NEWPCP	22.57%	6,760,900	1,429,000	6,865,700	1,429,000	7,052,600	1,429,000	7,617,400	1,429,000	8,447,400	1,429,000	8,934,100	1,429,000	9,452,900	1,429,000	10,006,100	1,429,000
SWWPCP	17.65%	6,027,600	1,117,000	6,174,900	1,117,000	6,338,900	1,117,000	6,912,100	1,117,000	7,771,300	1,117,000	8,257,400	1,117,000	8,777,000	1,117,000	9,332,600	1,117,000
SEWPCP	6.80%	2,158,900	430,000	2,218,500	430,000	2,277,500	430,000	2,491,500	430,000	2,814,700	430,000	2,995,000	430,000	3,188,300	430,000	3,395,600	430,000
Industrial Waste	0.17%	140,000	11,000	136,000	11,000	140,000	11,000	144,000	11,000	148,000	11,000	152,000	11,000	157,000	11,000	162,000	11,000
Sewer Maintenance	4.80%	2,886,600	304,000	2,820,800	304,000	2,904,600	304,000	3,005,000	304,000	3,118,600	304,000	3,221,700	304,000	3,328,000	304,000	3,438,500	304,000
Inlet Cleaning	0.18%	71,000	11,000	69,000	11,000	71,000	11,000	73,000	11,000	75,000	11,000	77,000	11,000	79,000	11,000	81,000	11,000
Interceptors/Flow Control	7.31%	3,210,600	463,000	3,226,400	463,000	3,316,700	463,000	3,541,100	463,000	3,860,400	463,000	4,059,100	463,000	4,270,100	463,000	4,493,200	463,000
Data & Flow Control	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collector System Support	0.02%	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000
	100.00%	38,684,900	6,330,000	38,518,400	6,330,000	39,615,300	6,330,000	41,870,100	6,330,000	44,943,400	6,330,000	46,996,100	6,330,000	49,163,800	6,330,000	51,453,400	6,330,000
OMtwo-18	6,329,600																

Descr.: Operations Division O&M - Class 300 (Including Chemicals)
Ref: OMtwo-13 OMtwo-14 OMone-12
Rangename: DETAIL

	Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
CLASS 300	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
DIRECT COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Baxter Treatment Plant	7,591,470		544,800		561,300		578,800		596,000		612,400		632,400		651,500	
Queen Lane Treatment Plant	5,377,500		654,000		674,000		694,000		715,000		736,000		758,000		781,000	
Belmont Treatment Plant	4,380,100		507,000		522,000		538,000		554,000		571,000		588,000		605,000	
Conveyance Headquarters	10,000		11,000		11,000		12,000		12,000		12,000		13,000		13,000	
Load Control	104,000		116,000		119,000		123,000		127,000		131,000		134,000		139,000	
Distribution	357,700		369,000		380,000		391,000		403,000		415,000		428,000		441,000	
Pumping	372,300	0	413,000	0	425,000	0	438,000	0	451,000	0	465,000	0	479,000	0	493,000	0
Emergency & Support Services	0		0		0		0		0		0		0		0	
	18,193,070	0	2,614,800	0	2,692,300	0	2,774,800	0	2,858,000	0	2,942,400	0	3,032,400	0	3,123,500	0
Sludge Engineering Services (d)		0		0		0		0		0		0		0		0
Sludge Utilization (d)		0		0		0		0		0		0		0		0
Sludge Processing (d)		1,262,500		1,555,800		1,717,800		1,893,600		2,084,400		2,292,500		2,518,500		2,763,900
NEWPCP (d)		2,116,400		2,487,500		2,656,400		2,837,200		3,031,900		3,241,500		3,466,200		3,707,200
SWWPCP (d)		857,900		989,200		1,043,300		1,101,300		1,163,500		1,229,100		1,299,500		1,375,000
SEWPCP (d)		684,200		802,800		857,700		916,100		978,400		1,046,000		1,118,200		1,196,500
Industrial Waste (d)		50,900		57,100		59,200		61,300		63,400		65,500		67,600		69,700
Sewer Maintenance (d)		754,000		847,000		874,000		902,000		931,000		961,000		992,000		1,024,000
Inlet Cleaning (d)		87,700		99,100		102,900		106,800		110,800		115,900		120,100		125,400
Interceptors/Flow Control (d)		1,702,100		2,007,700		2,160,100		2,323,900		2,502,100		2,693,800		2,901,300		3,125,800
Data & Flow Control (d)		0		0		0		0		0		0		0		0
Collector System Support (d)		4,000		5,000		5,000		5,000		6,000		6,000		6,000		6,000
	0	7,519,700	0	8,851,200	0	9,476,400	0	10,147,200	0	10,871,500	0	11,651,300	0	12,489,400	0	13,393,500
	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
ALLOCATED COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Treatment Headquarters	10,600	10,600	12,500	12,400	13,600	13,600	14,600	14,600	15,700	15,700	17,400	16,400	18,700	17,700	20,100	19,100
Machine Shops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Administration	35,000	35,000	39,000	39,000	40,000	40,000	41,500	41,500	42,500	42,500	44,000	44,000	45,000	45,000	47,000	46,000
Materials Management	3,607,250	3,607,250	4,018,600	4,018,500	4,140,400	4,140,400	4,265,650	4,265,650	4,394,550	4,394,550	4,528,100	4,528,100	4,665,350	4,665,350	4,806,800	4,806,800
Customer Service	11,400	11,300	12,700	12,600	13,000	13,000	13,500	13,500	14,000	14,000	14,000	14,000	15,000	14,000	15,000	15,000
Meter Shop	39,200	39,100	43,500	43,500	45,000	45,000	46,000	46,000	47,500	47,500	49,000	49,000	51,000	50,000	52,000	52,000
Automotive Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,703,450	3,703,250	4,126,300	4,126,000	4,252,000	4,252,000	4,381,250	4,381,250	4,514,250	4,514,250	4,652,500	4,651,500	4,795,050	4,792,050	4,940,900	4,938,900
Total Class 300	21,896,520	11,222,950	6,741,100	12,977,200	6,944,300	13,728,400	7,156,050	14,528,450	7,372,250	15,385,750	7,594,900	16,302,800	7,827,450	17,281,450	8,064,400	18,332,400

(d) Less Liquidated Encumbrances - Sewer Utility

Links to SCOS Model File

Descr.: Operations Division O&M - Class 300 (Including Chemicals)
Ref: OMtwo-13 OMtwo-14 OMone-12 Rreq-20
Rangename: DETAIL

	PN 16281.300 FY'91-93 3 year Average	Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
		Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $	Unadjusted Class 300 $	Liquidated Encumbrances $
Sludge Engineering Services	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Utilization	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sludge Processing	29.90%	1,700,500	438,000	1,993,800	438,000	2,155,800	438,000	2,331,600	438,000	2,522,400	438,000	2,730,500	438,000	2,956,500	438,000	3,201,900	438,000
NEWPCP	31.01%	2,572,400	456,000	2,943,500	456,000	3,112,400	456,000	3,293,200	456,000	3,487,900	456,000	3,697,500	456,000	3,922,200	456,000	4,163,200	456,000
SWWPCP	7.63%	969,900	112,000	1,101,200	112,000	1,155,300	112,000	1,213,300	112,000	1,275,500	112,000	1,341,100	112,000	1,411,500	112,000	1,487,000	112,000
SEWPCP	8.56%	810,200	126,000	928,800	126,000	983,700	126,000	1,042,100	126,000	1,104,400	126,000	1,172,000	126,000	1,244,200	126,000	1,322,500	126,000
Industrial Waste	0.38%	56,900	6,000	63,100	6,000	65,200	6,000	67,300	6,000	69,400	6,000	71,500	6,000	73,600	6,000	75,700	6,000
Sewer Maintenance	4.26%	817,000	63,000	910,000	63,000	937,000	63,000	965,000	63,000	994,000	63,000	1,024,000	63,000	1,055,000	63,000	1,087,000	63,000
Inlet Cleaning	0.79%	99,700	12,000	111,100	12,000	114,900	12,000	118,800	12,000	122,800	12,000	127,900	12,000	132,100	12,000	137,400	12,000
Interceptors/Flow Control	17.44%	1,958,100	256,000	2,263,700	256,000	2,416,100	256,000	2,579,900	256,000	2,758,100	256,000	2,949,800	256,000	3,157,300	256,000	3,381,800	256,000
Data & Flow Control	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collector System Support	0.04%	5,000	1,000	6,000	1,000	6,000	1,000	6,000	1,000	7,000	1,000	7,000	1,000	7,000	1,000	7,000	1,000
	100.00%	8,989,700	1,470,000	10,321,200	1,470,000	10,946,400	1,470,000	11,617,200	1,470,000	12,341,500	1,470,000	13,121,300	1,470,000	13,959,400	1,470,000	14,863,500	1,470,000
OMtwo-18	1,470,400		20.42%														

Links to SCOS Model File

Descr.: Operations Division O&M - Class 400
Ref: OMtwo-15 OMtwo-16

	Estimated FY 2008		Estimated FY 2009		Estimated FY 2010		Estimated FY 2011		Estimated FY 2012		Estimated FY 2013		Estimated FY 2014		Estimated FY 2015	
CLASS 400	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer	Water	Sewer
DIRECT COSTS	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
Baxter Treatment Plant	28,000		32,300		32,000		32,900		35,100		36,600		35,500		39,800	
Queen Lane Treatment Plant	30,000		35,000		36,000		37,000		38,000		39,000		41,000		42,000	
Belmont Treatment Plant	37,000		43,000		44,000		46,000		47,000		48,000		50,000		51,000	
Conveyance Headquarters	22,000		25,000		26,000		27,000		27,000		28,000		29,000		30,000	
Load Control	45,000		52,000		54,000		55,000		57,000		59,000		60,000		62,000	
Distribution	199,000		230,000		237,000		244,000		251,000		259,000		267,000		275,000	
Pumping	46,000	0	53,000	0	55,000	0	56,000	0	58,000	0	60,000	0	61,000	0	63,000	0
Emergency & Support Services	0		0		0		0		0		0		0		0	
	407,000	0	470,300	0	484,000	0	497,900	0	513,100	0	529,600	0	543,500	0	562,800	0
Sludge Engineering Services		0		0		0		0		0		0		0		0
Sludge Utilization		0		0		0		0		0		0		0		0
Sludge Processing		41,000		47,000		48,000		50,000		51,000		53,000		54,000		56,000
NEWPCP		164,000		189,000		195,000		201,000		207,000		213,000		219,000		226,000
SWWPCP		174,000		201,000		207,000		213,000		220,000		226,000		233,000		240,000
SEWPCP		90,000		104,000		107,000		110,000		114,000		117,000		121,000		124,000
Industrial Waste		11,000		13,000		13,000		14,000		14,000		15,000		15,000		16,000
Sewer Maintenance		74,000		85,000		88,000		90,000		93,000		96,000		99,000		101,000
Inlet Cleaning		37,000		43,000		44,000		46,000		47,000		48,000		50,000		51,000
Interceptors/Flow Control		75,000		87,000		90,000		92,000		95,000		98,000		101,000		104,000
Data & Flow Control		0		0		0		0		0		0		0		0
Collector System Support		4,000		5,000		5,000		5,000		5,000		6,000		6,000		6,000
		670,000		774,000		797,000		821,000		846,000		872,000		898,000		924,000
	Water	Sewer	Water	Sewer	Water	Sewer										
ALLOCATED COSTS	$	$	$	$	$	$										
Treatment Headquarters	8,000	7,000	9,000	8,000	9,000	9,000	9,000	9,000	10,000	9,000	10,000	9,000	10,000	10,000	10,000	10,000
Machine Shops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations Administration	25,000	25,000	29,000	29,000	30,000	30,000	31,000	31,000	32,000	31,000	33,000	32,000	34,000	33,000	35,000	34,000
Materials Management	8,000	8,000	9,000	9,000	10,000	9,000	10,000	9,000	10,000	10,000	10,000	10,000	11,000	10,000	11,000	10,000
Customer Service	5,000	4,000	5,000	5,000	5,000	5,000	6,000	5,000	6,000	5,000	6,000	5,000	6,000	6,000	6,000	6,000
Meter Shop	18,000	18,000	21,000	21,000	22,000	21,000	23,000	22,000	23,000	23,000	24,000	23,000	25,000	24,000	25,000	25,000
Automotive Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	64,000	62,000	73,000	72,000	76,000	74,000	79,000	76,000	81,000	78,000	83,000	79,000	86,000	83,000	87,000	85,000
Total Class 400	471,000	732,000	543,300	846,000	560,000	871,000	576,900	897,000	594,100	924,000	612,600	951,000	629,500	981,000	649,800	1,009,000

Links to SCOS Model File
Ref: Cust-14

	(1) Test Year 2009 Units of Service	(2) Existing Rates Unit Charge $/unit	(3) Test Year 2009 Units of Service	(4) Existing Rates Unit Charge $/unit
	Abington		**Lower Southampton**	
O&M Charges				
Volume (Mcf)	107,000	1.0735	324,000	1.0735
Capacity (cfs)	9.2470	4,574	15.7900	4,574
Suspended Solids (1,000 lbs)	1,222	154.16	3,841	154.16
BOD (1,000 lbs)	1,035	151.50	2,547	151.50
Subtotal				
Lump Sum Charge		417,000		60,000
Management Fee		10%		10%
	Bensalem		**DELCORA**	
O&M Charges				
Volume (Mcf)	160,000	1.0735	1,404,000	0.9441
Capacity (cfs)	11.7400	4,574	155.0000	3,785
Suspended Solids (1,000 lbs)	2,226	154.16	12,526	159.97
BOD (1,000 lbs)	2,376	151.50	11,212	122.88
Subtotal				
Lump Sum Charge		78,000		0
Management Fee		10%		10%
	Bucks County		**Lower Merion**	
O&M Charges				
Volume (Mcf)	969,000	1.0735	331,000	0.9719
Capacity (cfs)	85.0800	4,574	31.5700	3,848
Suspended Solids (1,000 lbs)	11,728	154.16	3,469	162.64
BOD (1,000 lbs)	9,854	151.50	2,974	122.94
Subtotal				
Lump Sum Charge		49,000		105,000
Management Fee		10%		10%
	Cheltenham		**Springfield (excluding Wyndmoor)**	
O&M Charges				
Volume (Mcf)	361,000	1.0052	134,000	1.1856
Capacity (cfs)	20.7500	2,137	4.6000	8,868
Suspended Solids (1,000 lbs)	2,995	154.16	1,956	162.64
BOD (1,000 lbs)	2,635	151.50	1,864	122.94
Subtotal				
Lump Sum Charge		898,000		254,000
Management Fee		10%		10%
	Lower Moreland		**Upper Darby**	
O&M Charges				
Volume (Mcf)	63,000	1.0735	571,000	0.9719
Capacity (cfs)	5.9410	4,574	35.0000	3,848
Suspended Solids (1,000 lbs)	590	154.16	5,557	162.64
BOD (1,000 lbs)	476	151.50	4,738	122.94
Subtotal				
Lump Sum Charge		225,000		35,000
Management Fee		12%		10%
			Springfield (Wyndmoor)	
O&M Charges				
Volume (Mcf)			21,000	1.5780
Capacity (cfs)			1.9300	8,066
Suspended Solids (1,000 lbs)			114	221.43
BOD (1,000 lbs)			90	94.55
Subtotal				
Lump Sum Charge				101,000
Management Fee				10%

Links to SCOS Model File

Descr.: TY Power Costs
Ref: Rreq08.xls: OMone-11, OMtwo-10

	(1) FY 2009 Test Year $	Water	Sewer
CLASS 220			
DIRECT COSTS			
Sludge Engineering Services	0		
Sludge Utilization	0		
Sludge Processing	517,100		
NEWPCP	3,877,700		
SWWPCP	4,200,900		
SEWPCP	1,599,500		
Industrial Waste	0		
Sewer Maintenance	150,800		
Inlet Cleaning	0		
Interceptors	1,373,400		
Data & Flow Control	0		
Collector System Support	0		
Subtotal	11,719,400		
ALLOCATED COSTS			
Treatment Headquarters	0	50.0%	50.0%
Machine Shops	0	50.0%	50.0%
Building Maintenance	0	50.0%	50.0%
Security	0	50.0%	50.0%
Operations Administration	630,100	50.0%	50.0%
Materials Management	0	50.0%	50.0%
Customer Service	0	50.0%	50.0%
Meter Shop	0	50.0%	50.0%
Automotive Maintenance	0	35.0%	65.0%
Subtotal	630,100		
Total Sewer Power Costs	12,349,500		

Links to SCOS Model File
Ref: Rreq08.xls: Cust-27, OMone-6, OMone-12, Rreq-5, Rreq-19

Deposit From (To) RSF	8,761,000
Residual Fund Deposit	5,979,000
Total Operating Expense from COS Table ($)	203,451,000
	Test Year 2009
Sewer Dept. Liq. Encumbrances	7,800,000
Sewer Dept. Early Liq. of Encumb.	0
Total	7,800,000
Annual Increase in O&M	
Class 100	2.0%
Class 200, 300, & 400	3.0%
Allocation of Chemical Costs	
Chlorine	0
Various (including Sodium Hypochlorite)	2,261,300
Potassium Permanganate, etc.	3,135,700
Estimated Test Year Cost of Service - Sewer	
O&M	$203,451,000
Total	$313,868,000
Test Year Projected Townships Receipts	$25,282

Links to SCOS Model File
Ref: Rreq-5 Rreq-21 Rreq-28
Data

	2008	2009	2010	2011	2012	2013	2014	2015	Test Year 2009
	$	$	$	$	$	$	$	$	$
Sewer Liq. Encumb.	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000	7,800,000
Clean Streams Grant	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
Other Op/Non-op Revenue									12,867,000
Interest on Op Funds									1,544,000

Links to SCOS Model File
Ref: OMtwo-4

	Sewer
Percent Sewer Streets Dept. of Total Sewer Payment to General Fund	**13.6%**

Links to WCOS Model File
Ref: Cust-23

FY 2009 Test Year Water Utility	Total Number of Bills
General Service (excluding Senior Citizens)	
Bills	
5/8"	5,180,857
>5/8"	115,632
Total Bills	5,296,489
Equivalent Bills	
Senior Citizens	
Bills	
5/8"	197,728
>5/8"	36
Total Bills	197,764
Equivalent Bills	
Housing Authority	
Bills	76,020
Equivalent Bills	
Charities & Schools	
"N" Charities	
Bills	4,164
Equivalent Bills	
"6 Cent" Charities	
Bills	34,464
Equivalent Bills	
Scheduled (Flat Rate)	0
Fire Meters	46,728
City Properties Leased to Others (821)	0
Municipal 820)	
Bills	15,216
Equivalent Bills	

(a) Included with General Service for this update.

Links to WCOS Model File
Ref: Cust-23

UNITS OF WATER SERVICE
FY 2009 Test Year
Water Utility

Customer Class	FY 2009 Test Year
	Mcf
General Service (5/8)-Excl SC	3,805,100
General Service (>5/8)-Excl SC	1,927,700
Senior Citizens (5/8)	98,900
Senior Citizens (>5/8)	100
Housing Authority	221,700
"N" Charities	267,497
"6 Cent" Charities	263,603
Scheduled (Flat Rate)	0
Unmetered (Wells)	0
Fire Meters	0
Leased Properties (821) (a)	0
Municipal (820)	460,000
Subtotal Retail Sanitary	7,044,600

(a) Included with General Service for this update.

Links to WCOS Model File
Ref: Rreq-27

Water Utility

COST OF SERVICE TO BE DERIVED FROM RATES	
Operating Expense	$118,623,000
Capital Costs	$70,595,000
Total COS	$189,218,000

Ref: Wrev-8

Bucks County Test Year	
Receipts Under Existing Rates	$4,453,000
Philadelphia Water Company Test Year	
Receipts Under Existing Rates	$2,558,200

BUCKS CO. TEST YEAR USAGE
Links to WCOS Model File
Ref: Cust-9

	Annual Usage (mcf)	Peak Usage (REVENUE.WK1)
		24.50
FY 2006 Usage (mcf)	761,176	mgd
FY 2007 Usage (mcf)	709,198	
FY 2008 Usage (mcf)	725,000	
FY 2009 Usage (mcf)	725,000	
FY 2010 Usage (mcf)	725,000	
FY 2011 Usage (mcf)	725,000	
FY 2012 Usage (mcf)	725,000	
FY 2013 Usage (mcf)	725,000	
FY 2014 Usage (mcf)	725,000	
FY 2015 Usage (mcf)	725,000	
TY 2009 Usage (mcf)	725,000	
TY 2009 Usage (mgd)	14.9	

AQUA PA TEST YEAR USAGE
Links to WCOS Model File
Ref: Cust-9

	Annual Usage (mcf)	Peak Usage REVENUE.WK1)
FY 2006 Usage (mcf)		mgd
FY 2007 Usage (mcf)		
FY 2008 Usage (mcf)		
FY 2009 Usage (mcf)		
FY 2010 Usage (mcf)		
FY 2011 Usage (mcf)		
FY 2012 Usage (mcf)		
FY 2013 Usage (mcf)		
FY 2014 Usage (mcf)		
FY 2015 Usage (mcf)		
TY 2009 Usage (mcf)		
TY 2009 Usage (mgd)		

Links to WCOS Model File

FY 2009 Test Year
Water Utility

Line No.		(1) FY 2009 Test Year Class 100 Expend.	(2) FY 2009 Test Year Cl. 200 Expend. Power	(3) All Other	(4) Total	(5) FY 2009 Test Year Cl. 300 Expend. Chemicals	(6) All Other	(7) Total	(8) FY 2009 Test Year Class 400 Expend.	Total
		$	$	$	$	$	$	$	$	$
	OPERATIONS DIVISION	OMtwo-10	OMone-11	OMtwo-12	(2)+(3)	OMtwo-19	OMtwo-14	(5)+(6)	OMtwo-16	
	DIRECT COSTS									
1	Baxter Treatment Plant	2,884,200	323,200	663,800	987,000	8,403,800	544,800	8,948,600	32,300	12,852,100
2	Queen Lane Treatment Plant	2,673,000	280,000	562,000	842,000	5,668,700	654,000	6,322,700	35,000	9,872,700
3	Belmont Treatment Plant	2,499,000	178,800	338,000	516,800	4,644,600	507,000	5,151,600	43,000	8,210,400
4	Conveyance Headquarters	566,000	0	1,498,000	1,498,000	0	11,000	11,000	25,000	2,100,000
5	Load Control	1,152,000	7,379,600	601,000	7,980,600	0	116,000	116,000	52,000	9,300,600
6	Distribution	12,591,000	0	310,000	310,000	31,600	369,000	400,600	230,000	13,531,600
7	Pumping	2,016,000	0	315,000	315,000	1,500	413,000	414,500	53,000	2,798,500
8	Emergency & Support Services	0	0	0	0	0	0	0	0	0
9	Subtotal	24,381,200	8,161,600	4,287,800	12,449,400	18,750,200	2,614,800	21,365,000	470,300	58,665,900
	ALLOCATED COSTS									
10	Treatment Headquarters	266,000	0	58,000	58,000	10,200	2,300	12,500	9,000	345,500
11	Machine Shops	0	0	0	0	0	0	0	0	0
12	Building Maintenance	0	0	0	0	0	0	0	0	0
13	Security	0	0	0	0	0	0	0	0	0
14	Operations Admin.	1,358,000	315,050	3,157,000	3,472,050	0	39,000	39,000	29,000	4,898,050
15	Mtls. Management	844,000	0	131,000	131,000	17,800	4,000,800	4,018,600	9,000	5,002,600
16	Customer Service	547,000	0	2,593,000	2,593,000	0	12,700	12,700	5,000	3,157,700
17	Warranty Program			0	0					0
18	Meter Shop	917,000	0	119,000	119,000	0	43,500	43,500	21,000	1,100,500
19	Automotive Maintenance	0	0	0	0	0	0	0	0	0
20	Subtotal Allocated Costs	3,932,000	315,050	6,058,000	6,373,050	28,000	4,098,300	4,126,300	73,000	14,504,350
21	Total Class	28,313,200	8,476,650	10,345,800	18,822,450	18,778,200	6,713,100	25,491,300	543,300	73,170,250
HIDDEN DATA ---------->>										
	FRINGE BENEFITS									
										OMtwo-6
22	Human Resources									335,141
23	Finance and Administration									2,064,692
24	Planning & Engineering									2,526,819
25	Information Science & Tech.									1,350,475
26	Operations									20,659,236
27	Customer Affairs									598,150
28	Dept. Of Revenue (WRB)									2,375,065
29	Law Dept.									598,364
	CHECK TOTALS									
30	Total Direct Expense									73,170,300
	Total Interdepartmental									
31	WRB Expense									7,065,340
32	All Other Expenses									9,790,067
33	Total Finance and Administration									5,482,792
34	Total Admin & Human Resources									880,183
35	Total Planning & Engineering	3,462,990			5,919,524			457,240	448,320	10,288,074
36	Total Information Science & Tech.	1,850,840			1,362,790			115,390	130,790	3,459,810
37	Total Customer Affairs									2,094,000
38	Total Indemnities									2,319,900

FY 2009 Test Year Allocated Planning & Engineering Costs (Excluding Class 500)

Ref: OMtwo-4a

	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Planning & Engineering				
Class 100 - Office of Watersheds	261,300	1,482,900	0	1,744,200
Class 100 - All Other	3,201,700	4,809,000	0	8,010,700
Total Class 100	3,463,000	6,291,900	0	9,754,900
	35.5%	64.5%	0.0%	100.0%
Class 250 - Service Fee for Cogen. Facilities				
NE	0	17,600	0	17,600
SW	0	12,000	0	12,000
SE	0	6,900	0	6,900
Total Cogeneration Expense	0	36,500	0	36,500
Class 251 - CSO Compliance Program	0	0	0	0
Class 200 - All Other	5,919,500	8,879,900	0	14,799,400
Total Class 200	5,919,500	8,916,400	0	14,835,900
	0.0%	100.0%	0.0%	100.0%
Class 300	457,200	685,900	0	1,143,100
	40.0%	60.0%	0.0%	100.0%
Class 400	448,300	672,500	0	1,120,800
	40.0%	60.0%	0.0%	100.0%
Total Planning & Engineering	10,288,000	16,566,700	0	26,854,700

FY 2009 Test Year Allocated Information Science & Technology Costs (bExcluding Class 500)

Ref: OMtwo-4b

	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Information Science & Technology				
Class 100 - CBIS	404,400	405,900	404,700	1,215,000
Class 100 - All Other	1,446,400	925,400	0	2,371,800
Total Class 100	1,850,800	1,331,300	404,700	3,586,800
	51.6%	37.1%	11.3%	100.0%
Class 200	1,362,800	1,115,000	0	2,477,800
	55.0%	45.0%	0.0%	100.0%
Class 300	115,400	94,400	0	209,800
	55.0%	45.0%	0.0%	100.0%
Class 400	130,800	107,000	0	237,800
	55.0%	45.0%	0.0%	100.0%
Total Information Science & Technology	3,459,800	2,647,700	404,700	6,512,200

FY 2009 Test Year Allocated Water Revenue Bureau Costs (bExcluding Class 500)

Ref: OMtwo-4c

	Water	Wastewater	Stormwater	Total
	$	$	$	$
	Test Year O&M Prorated on FY 2008 Budget Distribution			
Water Revenue Bureau				
Meter Reading	913,600	913,700	0	1,827,300
All Other	6,151,700	6,171,000	6,152,600	18,475,300
Total Water Revenue Bureau	7,065,300	7,084,700	6,152,600	20,302,600

	Consumption Percent W&S of W&S and Water Only [(6) / (4)] % Cust-20	Percent W&S of W&S and W Only No. of Bills FY 2009 Test Year % Cust-23
General Service	98.13%	99.63%
Senior Citizens	99.88%	99.89%
Housing Authority	100.00%	100.00%
"N" Charities	99.99%	99.42%
"6 Cent" Charities	99.52%	99.16%
Unmetered	0.00%	NA
Leased Properties (821) (a)		
Municipal (820)	98.42%	97.00%

(a) Included with General Service for this update.

DATA FOR OTHER FILES

	Current Year	1st Prior Year	2nd Prior Year	Water Percent Increase	Water Months Effective	Water Total Service Revenue	Sewer Percent Increase	Sewer Months Effective	Sewer Total Service Revenue
	Wrev-6	Wrev-6	Wrev-6	Rreq-23	Rreq-23	Rreq-23	Rreq-24	Rreq-24	Rreq-24
2006	85.39	9.00	2.50						
2007	85.88	9.00	2.50						
2008	85.50	9.00	2.50	0.00%	12	173,041	0.00%	12	299,070
2009	85.50	9.00	2.50	9.60%	12	189,218	4.56%	12	313,868
2010	85.50	9.00	2.50	9.60%	12	205,130	4.48%	12	326,229
2011	85.50	9.00	2.50	9.60%	12	222,250	4.40%	12	338,524
2012	85.50	9.00	2.50	9.60%	12	240,770	4.30%	12	348,380
2013	85.50	9.00	2.50	17.60%	12	279,956	10.01%	12	381,037
2014	85.50	9.00	2.50	4.90%	12	290,351	4.03%	12	394,196
2015	85.50	9.00	2.50	7.80%	12	309,423	8.67%	12	425,963

		2008	2009	2010	2011	2012	2013	2014	2015	TY 2009	
Transfer From (To) Rate Stabilization Fund		44,250,000	36,955,000	33,530,000	25,870,000	19,835,000	(135,000)	(75,000)	(65,000)	36,955,000	Rreq-23
Aqua PA Projected Water Sales	1,000 gal.	1,569,500	1,569,500	1,569,500	1,569,500	1,569,500	1,569,500	1,569,500	1,569,500	1,569,500	Wrev-9
Chemical Costs											
NEWPCP		1,135,400	1,343,500	1,464,400	1,596,200	1,739,900	1,896,500	2,067,200	2,253,200	1,343,500	OMone-12
SWWPCP		301,900	357,200	389,300	424,300	462,500	504,100	549,500	599,000	357,200	OMone-12
SEWPCP		374,200	442,800	482,700	526,100	573,400	625,000	681,200	742,500	442,800	OMone-12

DATA FROM OTHER FILES

From SCOS	2008	2009	2010	2011	2012	2013	2014	2015	TY 2009	
Water Treatment Plant Sludge	7,236,282	7,628,854	7,879,256	8,214,499	8,517,793	9,253,744	9,620,816	10,356,901	7,628,854	Retcos-1

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