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1 INTRODUCTION

1.1 Summary and Purpose of the Report

Econsult Solutions, Inc. and Milligan & Company, LLC are pleased to present the City of Philadelphia – Economic Opportunity Plan Employment Composition Analysis for Fiscal Year (FY) 2016. This analysis is presented as a companion report to the City of Philadelphia FY 2016 Annual Disparity Study and the Economic Opportunity Plan (EOP) Analysis Fiscal Years 2009-2016. The Disparity Study and EOP Analysis focus on the participation of Minority-Owned Business Enterprises (MBE), Women-Owned Business Enterprises (WBE) and Disabled-Owned Business Enterprises (DSBE), known collectively as M/W/DSBE firms, in City of Philadelphia contracting opportunities. The basis of this companion employment report is the measurement of achievement toward minority and female inclusion on EOP projects in the Skilled and Laborer construction workforce. FY 2015 was the first time employment data was analyzed and presented in conjunction with the annual analysis of EOP projects.

The information presented in this report provides analysis and discussion on the construction labor force of 518 active EOP projects over a 12-month period from July 1, 2015 through June 30, 2016. The labor force analyzed for this report includes both journeyperson and apprentice level workers.

1.2 Legislative Context

Historically, the EOP employment requirement is based on several pieces of legislation. Mayoral Executive Order 14-08, signed by Mayor Michael A. Nutter on October 1, 2008, established an Economic Opportunity Cabinet (EOC) and the Office of Economic Opportunity (OEO) to oversee inclusion of M/W/DSBE firms in city contracts, set citywide goals, and monitor achievement toward M/W/DBSE goals. The OEO was created within the City's Commerce Department to implement the goals and objectives of the EOC. Section 17-1603 (2) of The Philadelphia Code requires an EOP when a company is pursuing or enters into a development project or contract exceeding \$100,000 with the City of Philadelphia. Bill #150614 requires the analysis and establishment of participation goals based on race and ethnicity. Current workforce goals are based on the FY 2015 Disparity Study and have been in use since the publication of the report.

Importance of Report to the Overall Economic Inclusion Agenda

This analysis builds on the FY 2015 inaugural report assessing the achievement of the overall 32 percent minority employment goal and the 7 percent women employment goal for EOP

projects set in 2009. In addition, this report shows that the minority labor force is strong in some areas but increased inclusion, particularly in the skilled trades, is still needed.

1.3 Scope of Analysis

This report is limited to the employment composition of 518 EOP construction projects started between July 1, 2015 and June 30, 2016. The analysis includes construction labor hours for journeypersons, apprentices, and new hires across all trades as reported in the City's LCP Tracker system that monitors labor reporting and compliance on EOP projects. The LCP Tracker data was used to analyze the utilization of diverse labor on the EOP projects examined for this report. To determine the availability of the labor force, American Community Survey (ACS) Equal Employment Opportunity (EEO) Tabulation Census Data from 2006-2010 was analyzed for both the Philadelphia Metropolitan Statistical Area (MSA) and the City of Philadelphia. The 2006-2010 ACS is the most recent data available for this analysis. Both the utilization and availability analyses designate and aggregate workers in either the Skilled or the Laborer category. The Skilled designation includes 29 different trades, with power equipment operators, electricians, and carpenters representing the most skilled hours.

It is important to note that **this report does not distinguish between union and non-union workers**. The terminology "Laborer" is used in this report to indicate unskilled workers who are not part of a specific, skilled construction trade. It is not meant to define members of the Laborers' International Union or the Laborers' District Council. However, it is important to note that an overwhelming majority of employment hours performed for city projects are in fact completed by union members. US Census source data and subsequently the availability analysis does not specifically differentiate union and non-union employees; however, because census data is intended to be comprehensive, union members are included in the dataset.

1.4 Overview of Report Content

Section 2 of this report discusses the availability of both skilled and unskilled construction labor by race, ethnicity, and gender for both the 11-county Philadelphia MSA and for the City of Philadelphia.

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¹ In the utilization analysis, the Laborer category consists of all hours designated as Laborer hours in the City's LCP Tracker data. The Skilled category is an aggregate of all hours assigned to the 29 other trade categories listed in the City's LCP Tracker dataset. In the availability analysis, following the same methodology, the Laborer category consists of those workers in the construction and extraction industry designated as Laborer by the American Community Survey (ACS) 2006-2010 Equal Employment Opportunity (EEO) tabulation by residence. The Skilled category is an aggregate of all workers participating in the 33 other construction and extraction trades identified in the 2006-2010 ACS EEO tabulation by residence.

Section 3 explores the utilization of the labor force, as reported in LCP Tracker, in the 518 EOP projects analyzed for this report. Also included in Section 3 is the comparison of availability to utilization, which provides a disparity ratio for the current labor force in relation to their participation on city EOP contracts.

Section 4 provides observations regarding the results of the analysis and discussion on programmatic and policy actions for women and minority labor force inclusion.

2 **AVAILABILITY**

2.1 Data Sources and Methodological Approach

Availability at both the Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA, and the Philadelphia City levels was determined using American Community Survey (ACS) 2006-2010 Equal Employment Opportunity (EEO) Tabulation Data provided by the United States Census Bureau. The EEO Tabulation 2006-2010 is the most recent census data available tracking worker characteristics including sex, race, Hispanic origin, cross tabulated by citizenship, occupation, industry, age, educational attainment, earnings, and employment status. EEO tables are available in three geographic types: residence, worksite, and residence-to-worksite commuting flows. Both the FY15 and FY16 EOP employment availability analysis relies on 2006-2010 ACS source data to determine availability, as result, the availability figures in this report are identical to the availability analysis presented in last year's FY15 report.

This report does not distinguish between union and non-union workers.

To determine availability for this study, EEO construction and extraction occupation data at the Philadelphia MSA and City levels organized by race, gender, and Hispanic origin by residence geography was analyzed. Applying the same methodology used to evaluate the City's LCP Tracker data, EEO designated construction and extraction occupations were

grouped into two categories by total number of workers: Laborer and Skilled. It is important to re-emphasize that this report does not distinguish between union and non-union construction labor. The US Census data provided through the ACS 2006-2010 EEO Tabulation does not provide information related to union or non-union status. However, census data broadly accounts for all workers performing construction and extraction work in both the MSA and City; therefore, many of the individuals represented in the dataset are in fact union members. Because work on city projects is overwhelmingly performed by union members, the ACS dataset is not a perfect proxy for the available labor force and fails to fully capture the demographic differences between Philadelphia labor unions and the entire workforce. However, because the dataset is comprehensive, it is a defensible representation of the available MSA and city labor force.

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² United States Census Bureau. Equal Employment Opportunity (EEO) Tabulation. http://www.census.gov/people/eeotabulation/

³ Updated EEO Tabulation data, based on the 2014-2018 5 year ACS dataset, will be released in 2020-2021.

The Laborer and Skilled categories were then further analyzed to determine overall availability of African-American, Hispanic, Asian, Native-American/Pacific-Islander/American Indian and Alaska Native (AIAN), Two Race, and Female workers. ACS data includes a two-race designation and the City's LCP Tracker data does not include a two-race category. In this study, two race individuals were included as minority workers in the availability determination. In addition, workers categorized as "the balance of not Hispanic or Latino" were considered non-specified and eliminated from the availability calculations.

2.2 **How Availability Informed Current Goal Levels**

As stated in the "2010 Inclusion Works: Economic Strategic Plan," the City set an overall 32 percent goal for minority labor participation and workforce diversity on EOP projects. This goal was first recommended by the Mayor's Advisory Commission on Construction Industry Diversity (MACCID). The commission was appointed in March 2008 to review the construction industry in the City and the extent to which minority and women are utilized in the workforce. After a year of research, public hearings, and participation from the labor and business community, the Commission settled on a long-term goal to increase minority and female construction participation to 32 percent and 7 percent respectively, and an apprentice goal of 50 percent minority worker hours and 7 percent women worker hours.

The overall basis for the goal was a stated increase in local demand for Skilled Laborers due to upcoming retirement of Skilled tradespersons and increased construction activity. 4 Specifically the 32 percent goal is based upon an estimate of the male population that is prepared for (i.e. has obtained at least a high school degree or GED) and interested in (i.e. under the age of 35 and not in the labor force) the construction trades. The factors for "preparation" and "interest" were gathered from current data in the general population; the Commission assumed that these factors would not be changed by racial preferences. The female participation goal of 7 percent was based upon the U.S. Department of Labor's goal of 6.9 percent created in 1980. In essence, where background data was available, the labor goals were informed by the availability of "prepared and interested" workforce figures. Current goals are based on Bill #150614 which requires the analysis and setting of goals based on race and ethnic categories. Current workforce goals are based on the FY 2015 Disparity Study and have been in use since the publication of the report.

⁴ Inclusion Works, Economic Opportunity Strategic Plan, February 2010

Mayor's Advisory Commission on Construction Industry Diversity, March 2009

2.3 Availability by Race/Ethnicity/Gender and by Job Type

When considering availability, the geography of workers is taken into account, as they need to be able to access employment opportunities. Within the City, a higher percentage of total population is classified as a minority compared to the MSA. It is not clear which geography, city or MSA, provides the more appropriate dataset. A case can be made for both. In the Annual Disparity Study, the appropriate geography has been determined to be MSA based on the fact that two-thirds of the M/W/DSBE firms on OEO's directory are located within the MSA, half of which are in the City and half outside of the City located elsewhere in the MSA. When analyzing employment, considering availability at the MSA level has some legitimacy based on the geographic sprawl of available labor, particularly in the skilled trades. However, overall, employment is more localized than the stretch of a company's available business. In addition, the current city administration has established the increase of employment opportunities for city residents as a legislative priority. Thus, although this report examines both MSA and city data, the analysis tends to lean on city numbers as the more reasonable dataset.

The availability of minority Laborers is nearly double the availability of minority Skilled workers in the Philadelphia MSA. As a result, the disparity numbers for the MSA and the City differ vastly. Within the MSA, minority Laborers in the construction trades comprise 35.9 percent and Skilled workers in the trades total 19.5 percent. The availability of all minority workers totals 22.7 percent (see Table 2.3.A).

Table 2.3.A Trade/Contractor Availability in Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metro Area by Race/Ethnicity/Gender and Job Type

% Availability	Women	African- American	Hispanic	Asian	Native American/ Pacific Islander/ AIAN	Two Races	All Minority
Laborer	2.8%	16.2%	17.5%	1.4%	0.0%	0.7%	35.9%
Skilled	2.3%	9.2%	8.3%	1.1%	0.2%	0.7%	19.5%
All	2.4%	10.5%	10.1%	1.2%	0.2%	0.7%	22.7%

American Community Survey (2006-2010), Econsult Solutions (2015, 2016)

In the City of Philadelphia, the availability of minority Laborers in the construction trades comprises 59.0 percent and Skilled workers in the trades total 40.9 percent. The percent of women Laborers (4.7 percent) in the City is nearly double the percentage of Skilled women workers (2.8 percent). In all race and ethnicity categories, the percentage of Laborers exceeds

the percentage of Skilled workers, with the exception of Asian and Native American/Pacific Islander workers. The availability of all minority workers totals 45.0 percent and the availability of all women workers totals 3.3 percent (see Table 2.3.B).

Table 2.3.B Trade/Contractor Availability in Philadelphia City by Race/Ethnicity/Gender and Job Type

% Availability	Women	African- American	Hispanic	Asian	Native American/ Pacific Islander/ AIAN	Two Races	All Minority
Laborer	4.7%	35.1%	19.0%	3.1%	0.0%	1.9%	59.0%
Skilled	2.8%	24.0%	12.1%	3.2%	0.5%	0.7%	40.9%
All	3.3%	26.7%	13.8%	3.2%	0.4%	1.0%	45.0%

American Community Survey (2006-2010), Econsult Solutions (2015, 2016)

Goal levels should be influenced by factors such as availability and, more specifically, the availability of the Laborer and Skilled workforce by race and gender. Currently, the availability of minority workers in the construction trades is higher than the set participation goal, 45.0 percent versus 32 percent, suggesting that the goal could be higher. Additionally, the availability of minorities is much greater for the Laborer category than the Skilled category, 59.0 percent versus 40.9 percent respectively. This highlights that minorities tend to have higher availability for certain types of jobs and the reasons behind this phenomenon could use further review. Finally, the availability of female workers (3.3 percent) in the construction trades is well below the goal of 7 percent, implying that either the goal is set too high and/or more outreach may be necessary to reach the stated goals.

3 UTILIZATION

3.1 Data Sources and Methodological Approach

Worker participation on EOP projects, also known as utilization, was calculated using the City's LCP Tracker employment data. The data provided tracks the labor force characteristics of EOP projects started during the period from July 1, 2015 to June 30, 2016 and groups labor hours in multiple ways. First, labor hours are categorized as journeyperson, apprentice, or new hire. New hires are defined as workers with a hire date within 90 days of the start of the given project. It is unclear whether these new hires also possess the apprentice or journeyperson skill and experience level. Next, labor hours are further grouped by race, gender, and Hispanic origin. LCP Tracker allows contractors to label worker hours as White, African-American, Hispanic, Asian, Native American, Other, Not Specified, or Women. To calculate utilization, labor hours categorized as non-specified and other were removed and the remaining hours were grouped as either Laborer or Skilled. Of 518 total projects, 13 projects were composed of 100% non-specified hours, leaving 505 projects with data available for analysis. A total of 778,441 total specified hours were analyzed to determine utilization, a 7 percent increase from the 728,281 hours analyzed in 2015.

As noted earlier, LCP Tracker software does not allow individuals to be designated as two-race, as a result, two race individuals may be included in any of the other race and ethnicity groups. In addition, LCP Tracker data counts minority women in both the woman and specific minority category.

3.2 Utilization by Race/Ethnicity/Gender and by Job Type

The total utilization of minority trade labor in the City of Philadelphia EOP contracts total

31.3 percent, falling just below the participation goal of 32 percent. Utilization of minority Laborers in the construction trades has decreased between the 2015 report and this 2016 report from 58.6 to 51.0 percent. Utilization of minority Skilled workers totals also decreased from 18.9 percent in 2015 to 17.5 percent in 2016. The utilization of women workers in the construction trades totals 0.8 percent, significantly less than the total availability (3.3 percent) of women working in construction

Compared to FY15, overall minority utilization fell to 31.3 percent and female utilization decreased slightly to under 0.8 percent.

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⁶ All analysis throughout this report utilizes data from the 505 LCP Tracker projects with specified hours. The 13 projects consisting of 100% non-specified hours were omitted from consideration.

Non-specified hours are lacking racial, ethnic, and gender identifying characteristics.

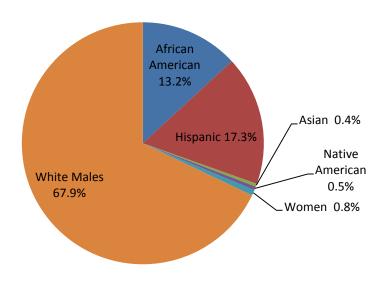
in the City of Philadelphia (see Table 3.2.A) and slightly below 2015 levels (See Table 3.2.B). Overall, minority utilization has decreased in all race and ethnic categories.

Table 3.2.A FY2016 Trade/Contractor Utilization by the City of Philadelphia by Race/Ethnicity/Gender and Job Type⁸

% Utilization	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	0.8%	18.9%	31.0%	0.7%	0.4%	51.0%
Skilled	0.7%	9.1%	7.6%	0.2%	0.6%	17.5%
All	0.8%	13.2%	17.3%	0.4%	0.5%	31.3%

Econsult Solutions (2015, 2016)

Figure 3.2.A All Trade/Contractor Utilization by the City of Philadelphia by Race/Ethnicity/Gender

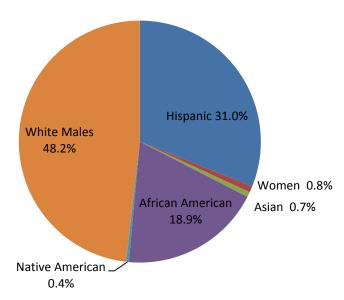


Econsult Solutions (2015, 2016)

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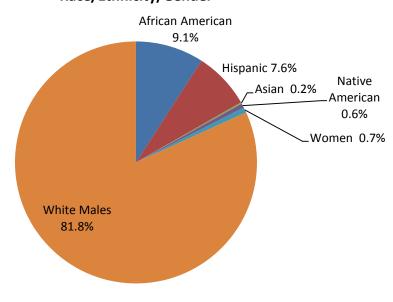
⁸ MSA utilization is not presented because utilization is only tracked within the City for the City of Philadelphia contracts. Both security guard and custodial hours were eliminated from the FY2016 utilization analysis because the nature of the occupation fundamentally differs from that of the other skilled trades considered.

Figure 3.2.B Laborer Trade/Contractor Utilization by the City of Philadelphia by Race/Ethnicity/Gender



Econsult Solutions (2015, 2016)

Figure 3.2.C Skilled Trade/Contractor Utilization by the City of Philadelphia by Race/Ethnicity/Gender



Econsult Solutions (2015, 2016)

Within the breakdown of categories by gender, race, and ethnicity, Laborer utilization outpaces Skilled utilization for all categories except Native American/Pacific Islander. This difference is particularly pronounced in the African American and Hispanic categories, the racial and ethnic categories with the largest total participation hours. The percentage of Hispanic Laborers (31.0 percent) is four times greater than the number of Hispanic workers in the Skilled trades (7.6 percent). African Americans are also twice as likely to be employed as a Laborer (18.9 percent) then as a Skilled worker (9.1 percent). Although utilization is not high, in 2015, the difference in percentages of employment of both Asian and Native American/Pacific Islander Laborers as compared to Skilled workers was 1.8 and 0.8 percentage points, respectively. A change in the 2016 data shows only a 0.5% difference between Asian Laborers as compared to their Skilled counterparts. The 2016 data indicates the percentage of Skilled Native American/Pacific Islander Laborers by 0.2%.

Table 3.2.B FY2015 Trade/Contractor Utilization by the City of Philadelphia by Race/Ethnicity/Gender and Job Type⁹

% Utilization	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	1.0%	19.7%	35.9%	1.9%	1.1%	58.6%
Skilled	0.7%	10.9%	7.7%	0.1%	0.3%	18.9%
All	0.8%	15.0%	20.7%	0.9%	0.6%	37.3%

Econsult Solutions (2015, 2016)

Table 3.2.B presents an updated analysis of FY2015 utilization. All security guards hours have been eliminated from this assessment because the nature of the occupation fundamentally differs from that of the other Skilled trades considered. Of 23,348 total specified security guard hours, 18,660 were performed by minorities and 15,845 were performed by women, thus the elimination of these hours results in reduced minority and female utilization. Taking this adjustment into account, the utilization of women workers between 2015 and 2016 decreased slightly. In 2015, women comprised 1.0 percent of Laborer and 0.7 percent of Skilled hours. In 2016, these percentages decreased to 0.8 percent for Laborers and remained at 0.7 percent in the Skilled category.

3.3 Utilization by Employee Type

The MAACID report set a 50 percent goal for the utilization of minority apprentices on EOP projects. Table 3.3 shows the breakdown of hours by Laborer (journeyperson and apprentice)

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⁹ Security guards have been removed from the utilization analysis because the nature of the occupation fundamentally differs from that of the other skilled trades considered; as a result, table 3.2.B differs from Table 3.2 presented in the FY2015 Employment Composition Analysis Report.

and by Skilled trades (journeyperson and apprentice), and includes utilization percentages across race, ethnicity, and gender. Each category also includes percentages for new hires.

Overall, although the percentage of minority apprentice hours (46.4 percent) fell short of the 50 percent goal, minority apprentice participation increased by 7.2 percentage points from 2015 to 2016. For Skilled workers, 35.5 percent of apprentice hours were performed by minorities and for Laborers, 100 percent of the hours were worked by minorities. It should be noted that Laborer apprentice hours on EOP projects included in the LCP Tracker dataset represented only 0.9 percent (2,880 hours) of 320,118 total specified Laborer hours.

Of all Laborer journeyperson hours, 50.8 percent were performed by minorities, (down from 58.3 percent in 2015), with 18.2 percent from African Americans, 31.5 percent from Hispanics, 0.7 percent from Asians, and 0.4 percent from Native Americans. Women journeypersons accounted for 0.8 percent of total Laborer hours.

Table 3.3 Percentage of Hours by Employee Type

Table 5.5 Percentage of Hours by Employee Type									
Laborer Hours	Afr Am	Hisp	Asian	Native	% Minority	% Women			
Journey	18.2%	31.5%	0.7%	0.4%	50.8%	0.8%			
Apprentice	100.0%	0.0%	0.0%	0.0%	100.0%	0.0%			
Total	19.0%	31.2%	0.7%	0.4%	51.2%	0.8%			
New Hire	30.8%	19.8%	1.2%	0.0%	51.8%	2.2%			
	•				•				
Skilled Hours	Afr Am	Hisp	Asian	Native	% Minority	% Women			
Journey	8.6%	7.5%	0.2%	0.6%	16.9%	0.7%			
Apprentice	24.2%	9.8%	1.5%	0.0%	35.5%	0.0%			
Total	9.1%	7.6%	0.2%	0.6%	17.4%	0.7%			
New Hire	10.9%	5.7%	0.2%	0.7%	17.5%	1.8%			
All Hours	Afr Am	Hisp	Asian	Native	% Minority	% Women			
Journey	12.6%	17.5%	0.4%	0.5%	31.0%	0.8%			
Apprentice	37.1%	8.1%	1.3%	0.0%	46.4%	0.0%			
Total	13.2%	17.3%	0.4%	0.5%	31.3%	0.8%			
New Hire	18.5%	11.1%	0.6%	0.4%	30.6%	2.0%			

Econsult Solutions (2015, 2016)

In determining participation rates for minorities and women in the labor force, it is also important to look at who is entering the trades. Analyzing the utilization of the percentage of apprentices and new hires potentially helps to inform future availability in both the Laborer and Skilled categories as well as across gender, race, and ethnicity. The 2015 report noted, for example, the percentage of African American Skilled apprentices was 23.9 percent compared to

the percentage of Skilled journeyperson hours of 10.5 percent, indicating the potential for increased African American Skilled journeyperson participation in the future. ¹⁰ In 2016, for all hours, minority journeyperson utilization fell by 6.2 percentage points while minority apprentice utilization increased by 7.3 percentage points. This trend of decreasing minority journeyperson hours and increasing minority apprentice hours can be observed in both the Laborer and Skilled categories as well.

Although future availability and potentially utilization of journeypersons is expected to increase as current apprentices complete their training and move to the level of a journeyperson, the actual dynamic between apprentice and journeyperson workers remains complex and unknown. Thus, there are several possible explanations for the decrease in minority journeyperson utilization and the increase in apprentice utilization. Minority apprentices may be experiencing barriers preventing advancement to the journeyperson level, or minority journeypersons may simply be exiting the construction trades through alternative employment or retirement. It is important to note that there is not enough evidence to prove that this observation is indicative of a long term trend. The relationship between minority apprentice and journeyperson participation should be monitored in the future; strategies to encourage increased minority participation and advancement may be needed.

Finally, regarding new hires, minorities and women accounted for 51.8 percent and 2.2 percent of new hires, respectively, in the Laborer category. Skilled minority and female new hires represented 17.5 percent and 1.8 percent of total Skilled hours, respectively. Overall, minority new hires in 2016 totaled 30.6 percent and women new hires totaled 2.0 percent of total hours, respectively. When assessing all employment hours, the utilization of minority new hires decreased by nearly 10 percentage points from 2015 to 2016. It should be noted that the data presented for the new hire category is limited. As discussed earlier, the data only indicates that a new hire was hired within 90 days. It does not indicate skill level or if persons hired are permanent or have temporarily relocated from outside the area to help meet current construction demand.

3.4 Utilization by Department¹¹

For the first time, this report tracks the utilization of minority and women workers in the Water, Aviation, Streets, and Public Property Departments. The utilization of all four departments follows the overall trend of significantly higher levels of minority Laborer utilization than Skilled

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¹⁰ The percentage of Skilled journeyperson hours was reduced to 10.5 percent to account for the elimination of security guard hours.

¹¹ Because utilization is only tracked for City of Philadelphia contracts, the departmental utilization data presented in this section is city based and does not include 11-County MSA utilization.

minority utilization. In fact, in the Public Property Department, minority Laborers were used at rate nearly four times greater than the usage of minority Skilled workers. This finding is particularly evident in the African American and Hispanic categories. Across all departments, the utilization of African American Laborers significantly outperforms the utilization of African American Skilled workers. Hispanic Laborers also accounted for substantially more employment hours than Hispanic Skilled workers in the Water, Streets, and Public Property Departments, with Hispanic Laborers performing seven times more hours than Hispanic Skilled workers in the Streets Department. Additional effort may be needed to encourage increased recruitment of Skilled African American and Hispanic workers.

Table 3.4.A Water Department - Trade/Contractor Utilization by Race/Ethnicity/Gender and Job Type

% Utilization	Women	African-American	Hispanic	Asian	Native American	All Minority
Laborer	0.4%	18.1%	36.3%	0.8%	0.4%	55.6%
Skilled	0.7%	9.8%	9.4%	0.3%	0.0%	19.5%
All	0.5%	14.0%	23.1%	0.6%	0.2%	37.9%

Econsult Solutions (2015, 2016)

Table 3.4.B Aviation Division- Trade/Contractor Utilization by Race/Ethnicity/Gender and Job Type

% Utilization	Women	African-American	Hispanic	Asian	Native American	All Minority
Laborer	0.5%	20.4%	10.7%	0.8%	0.1%	32.0%
Skilled	0.0%	9.2%	7.7%	0.0%	1.7%	18.7%
All	0.1%	12.2%	8.5%	0.3%	1.3%	22.3%

Econsult Solutions (2015, 2016)

Table 3.4.C Streets Department - Trade/Contractor Utilization by Race/Ethnicity/Gender and Job Type

% Utilization	Women	African-American	Hispanic	Asian	Native American	All Minority
Laborer	1.9%	18.3%	34.7%	0.0%	0.0%	53.0%
Skilled	3.0%	9.1%	4.9%	0.0%	0.3%	14.3%
All	2.6%	13.1%	17.6%	0.0%	0.2%	30.8%

Econsult Solutions (2015, 2016)

Table 3.4.D Public Property Department - Trade/Contractor Utilization by Race/Ethnicity/Gender and Job Type

% Utilization	Women	African-American	Hispanic	Asian	Native American	All Minority
Laborer	1.1%	27.0%	14.6%	0.7%	2.2%	44.6%
Skilled	0.5%	6.6%	4.1%	0.4%	0.0%	11.2%
All	0.6%	10.6%	6.2%	0.5%	0.4%	17.7%

Econsult Solutions (2015, 2016)

The Water Department accounted for 405,634 specified hours; over half of total employment hours analyzed, and reported the highest minority utilization rate of all departments at 37.9 percent. The Water department also has the highest total utilization of all minority Laborer (55.6 percent) and Skilled (19.5 percent) workers out of the four departments tracked (see Table 3.4A). The Streets Department reported the highest utilization of female Laborers (1.9 percent) and Skilled workers at 3.0 percent (See Table 3.4C), accounting for a total of 3,005 hours. Conversely, the total EOP hours used by Asian workers in the Streets Department is significantly lower than hours utilized by Asian workers in the other three departments, which represents less than one percent of total EOP hours for the department. The Pubic Property department reported the lowest number of total minority Skilled hours (5,926) of the four departments. Detailed department tables showing the count and distribution of hours by Laborer versus Skilled are included in the Appendix at the end of this report.

3.5 Utilization by EOP Size

Across the Philadelphia MSA and within the City of Philadelphia, there is a need for more minority and female trade workers and Skilled journeypersons specifically. The demand for construction jobs in the Philadelphia region is high at this time and will continue to increase for the next several years with multiple large projects occurring concurrently. While, overall, the achievement of the minority employment goal is high, many smaller EOP projects are not meeting the goal. In other words, a few EOP projects are carrying the weight of meeting the goal. In fact, 40 percent of all projects reported zero minority utilization.

When reading this report, one should keep in mind that all EOPs are not equal in size and that some fiscal years see very large, active EOP projects. If participation is not high in larger projects then it is difficult for small projects to make up the difference. However, the reverse is not true. If large projects are doing well in meeting goals, the small projects still need to do their part to help reach the overall goal. This factor should be considered in goal setting and monitoring.

Four contractors were responsible for the top five EOPs. Seravalli, Inc. participated in two of the top five EOP projects. Concerning EOP project achievement for the 518 projects examined, the top five EOPs carried nearly one-fifth, or 19 percent, of total minority hours worked. (See Figure 3.5 and Table 3.5). This trend of large projects dominating total minority hours is not as distinct in 2016 as it was in 2015, but is still worth noting. For these five projects, 62.6 percent of total minority hours were performed by Laborers and 37.4 percent of total minority hours were performed by Skilled workers.

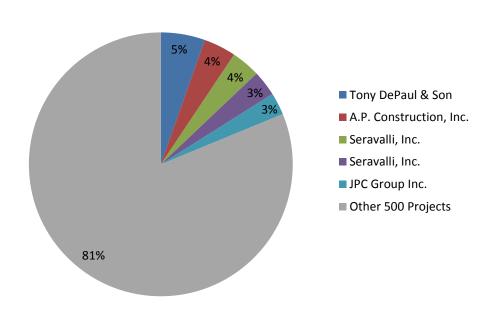


Figure 3.5 Top Five Projects by All Minority Hours

Econsult Solutions (2015, 2016)

Table 3.5 Top Five Projects by All Minority Hours

Project Description	Project	EOP Minority Hours	EOP Minority Hours/Total EOP Hours	EOP Minority Hours/Total Minority Hours
Realign Taxiway H/ Establish Taxiway EE	Tony DePaul & Son	13,233	38%	5%
Northern Liberties Phase II & IV	A.P. Construction, Inc.	9,621	32%	4%
Center City NE Quadrant	Seravalli, Inc.	8,684	47%	4%
2014 Citywide ADA Ramps Upgrade	Seravalli, Inc.	7,597	37%	3%
Belmont Raw Water Basin	JPC Group Inc.	6,655	34%	3%
Other 500 Projects	Other 500 Projects	198,109	30%	81%

Econsult Solutions (2015, 2016)

The Tony DePaul & Son Realign Taxiway H/Establish Taxiway EE project provided the most minority hours, with 13,233 minority hours, accounting for 37.7 percent of the 35,118 total specified hours. Of all specified hours, 23.0 percent (8,072 hours) were performed by African Americans, 14.6 percent (5,110 hours) by Hispanics, zero percent by Asians, 0.1 percent (51 hours) by Native American/Pacific Islanders, and 0.1 percent (32 hours) by women. Of all minority hours, 48.8 percent were performed by Laborers and 51.2 percent by Skilled workers.

The A.P. Construction Northern Liberties Phase II & IV EOP project had 30,370 total specified hours, 31.7 percent (9,621 hours) of which were attributed to minority workers. Of all specified hours, 13.4 percent (4,062 hours) were performed by African Americans, 18.2 percent (5,517 hours) by Hispanics, zero percent by Asians, 0.1 percent (42 hours) by Native American/Pacific Islanders, and 0 percent by women. Of all minority hours, 67.0 percent were performed by Laborers and 33.0 percent by Skilled workers.

The Seravalli-Center City NE Quadrant project had 18,660 total specified hours, 46.5 percent (8,684) of which were attributed to minority workers. Of the 18,660 total specified hours, 15.7 percent (2,936 hours) were performed by African Americans, 29.8 percent (5,562 hours) by Hispanics, zero percent by Asians, 1.0 percent (186 hours) by Native American/Pacific Islanders, and 0.1 percent (16 hours) by women. Of all minority hours, 59.2 percent were performed by Laborers and 40.8 percent by Skilled workers.

The Seravalli-2014 Citywide ADA ramps Upgrade project had 20,682 total specified hours, 36.7 percent (7,597 hours) of which were attributed to minority workers. Of all specified hours, 8.8 percent (1,828 hours) were performed by African Americans, 27.9 percent (5,769 hours) by Hispanics, zero percent by Asians, Native American/Pacific Islanders, and women. Of all minority hours, 83.0 percent were performed by Laborers and 17.0 percent by Skilled workers.

The Belmont Raw Water Basin project performed by JPC Group, Inc. had 19,603 total specified hours, 33.9 percent (6,665 hours) of which were attributed to minority workers. Of all specified hours, 27.0 percent (5,285 hours) were performed by African Americans, 7.0 percent (1,370 hours) by Hispanics, zero percent by Asians and Native American/Pacific Islanders, and 6.1 percent (1,194 hours) by women. This project represented 20 percent of all hours worked by women. Of all minority hours, 64.8 percent were performed by Laborers and 35.2 percent by Skilled workers.

3.6 Variance from Minority Goal

The City of Philadelphia set the minority construction trades goal at 32 percent. The figures and tables in this section illustrate the achievement of the minority goal by both projects and hours. Variances of achievement from -32 percentage points to greater than 20 percentage points

with zero percentage points equating to meeting the 32 percent EOP employment goal are displayed. The percentages at or above zero, by variance, show the projects that met or exceeded the 32 percent goal.

As shown in Figure 3.6.A, 30 percent of the EOP projects analyzed for this report met or exceeded the City's 32 percent minority employment goal. Projects falling below 32 percent minority utilization or zero percentage points from the goal did not meet the 32 percent minority goal. Out of all EOP projects, 67 percent have not achieved the 32 percent goal, with 40 percent recording zero minority hours. Fifty-eight percent of the EOP projects have not achieved the goal and are more than 10 percentage points below meeting the goal.

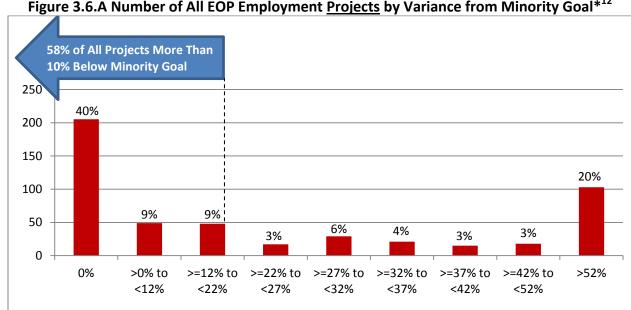


Figure 3.6.A Number of All EOP Employment Projects by Variance from Minority Goal*12

Table 3.6.A Number of EOP Employment Projects by Variance from Minority Goal

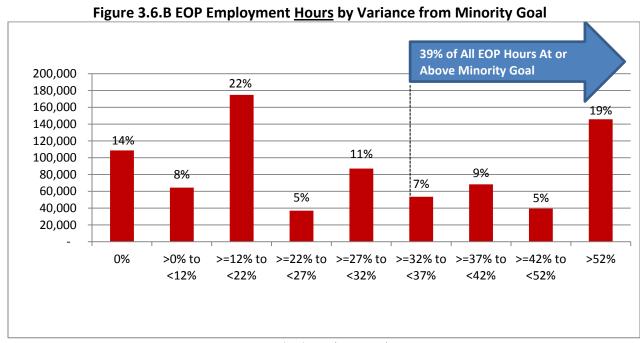
		>=12% to	>=22% to	>=27% to	>=32% to	>=37% to	>=42% to				
0%	>0% to <12%	<22%	<27%	<32%	<37%	<42%	<52%	>52%			
	Between -32	Between -20	Between -10	Between -5	Between 0	Between 5	Between 10	Greater than			
-32	and -20	and -10	and -5	and 0	and 5	and 10	and 20	20			
percentage	percentage	percentage	percentage	percentage	percentage	percentage	percentage	percentage			
points	points	points	points	points	points	points	points	points			
205	49	48	17	29	21	15	18	103			
40%	9%	9%	3%	6%	4%	3%	3%	20%			

Econsult Solutions (2015, 2016)

^{*}Percentages may not add to 100 percent due to rounding Econsult Solutions (2015, 2016

 $^{^{12}}$ The variance ranges selected show the distribution of projects that were 5 percentage points above and 5 percentage points below the 32 percent goal, or, more specifically, those projects that just missed the goal. Recognizing the distribution of projects that are very close to achieving the stated goal helps to inform policy recommendations. The variance ranges then move outward to display those projects missing the goal by an increasingly large margin until arriving at the projects well above the goal (>52%) or well below the goal (0%).

By employment hours, as shown in Figure 3.6.B, 39 percent of the EOP projects analyzed for this report met or exceeded the City's 32 percent minority employment goal. Nineteen percent of all EOPs by employment hours exceeded the 32 percent goal by more than 20 percentage points. Projects falling below zero percentage points did not meet the 32 percent minority goal. Of all EOP project hours, 61 percent have not achieved the 32 percent goal. In fact, 14 percent of all project hours can be attributed to projects with zero minority participation.



Econsult Solutions (2015, 2016)

Table 3.6.B EOP Em	ployment	Hours by	Variance from	Minority (₃oal
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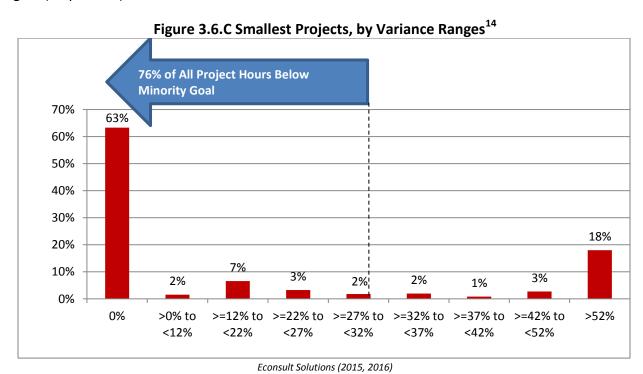
			<u> </u>				•	
	>0% to	>=12% to	>=22% to	>=27% to	>=32% to	>=37% to	>=42% to	
0%	<12%	<22%	<27%	<32%	<37%	<42%	<52%	>52%
	Between -	Between -	Between -10	Between -5	Between 0	Between 5	Between	Greater
-32	32 and -20	20 and -10	and -5	and 0	and 5	and 10	10 and 20	than 20
percentage	percentage	percentage	percentage	percentage	percentage	percentag	percentage	percentage
points	points	points	points	points	points	e points	points	points
108,479	64,424	174,554	37,053	87,042	53,493	68,251	39,456	145,689
14%	8%	22%	5%	11%	7%	9%	5%	19%

Econsult Solutions (2015, 2016)

Tables 3.6.C through 3.6.F further evaluate variance from the minority goal by project hours as presented in Figure 3.6.B, mirroring the variance by contract size analysis presented in

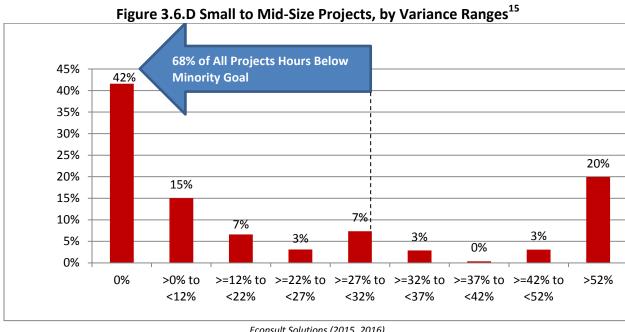
76 percent of small projects had zero minority participation.

the EOP report. The EOP Employment data was distributed into four project sizes: smallest, small to mid, mid to large, and largest by project hours. 13 As shown in the charts, the smaller the project, the larger the percentage of project hours with zero minority participation. In addition, relatively small projects have the greatest percentage of project hours at either zero percent minority participation or well above the minority goal at >52% minority participation. Conversely, the largest projects have the lowest percentage of total project hours with zero minority participation and the highest percentage of total project hours exceeding the minority goal (41 percent).

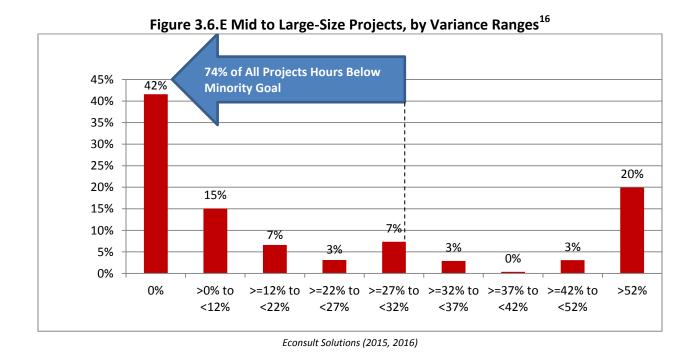


¹³ The 505 projects with specified hours were distributed into quartiles by project hours to categorize each project as smallest, small to mid, mid to large, and largest.

¹⁴ The smallest projects have less than 76 total specified project hours.

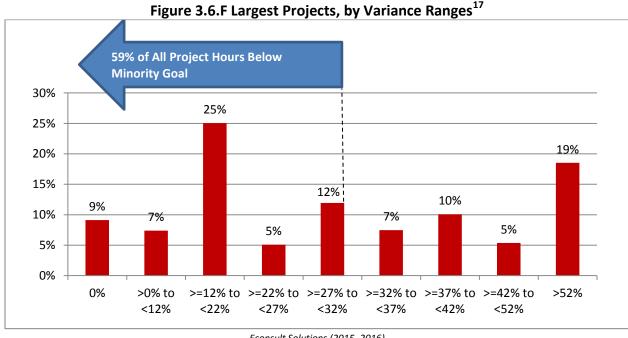


Econsult Solutions (2015, 2016)



 15 Small the mid-size projects range from 76 to less than 289 total specified project hours.

¹⁶ Mid to large-size projects range from 289 to less than 1233 total specified project hours.



Econsult Solutions (2015, 2016)

Overall, many of the EOPs with zero minority labor hours were relatively small projects. The differing shapes of Figures 3.6.A and 3.6.B illustrate the relationship between goal achievement by project and goal achievement by hours. When variance from the minority goal is analyzed by each project, the leftmost bar is the largest indicating a large number of projects with zero percent minority participation. However, these projects are relatively small, representing an average of 529 total specified hours. When the employment data is analyzed by hour, the rightmost bar is one of the largest, indicating that a relatively large percentage of total EOP projects by hours were more than 20 percentage points above the 32 percent goal. Overall, many small projects failed to meet the 32 percent goal and even had zero percent minority participation, while relatively large projects dominated the distribution of minority hours.

¹⁷ The largest projects have greater than or equal to 1233 total specified project hours.

4 DISPARITY: Ratio of Utilization to Availability

While the availability of minority Laborers and utilization of minority Laborers within the City of Philadelphia are relatively close (59.0 percent vs. 51.0 percent) as shown in Table 2.3.B and Table 3.2.A, the 17.5 percent utilization rate of minority Skilled workers is considerably lower than the availability of these workers at 40.9 percent. Although this report focuses on minority workers who are working in the City of Philadelphia, it should be noted that the overall minority construction trade participation on projects in the City of Philadelphia at 31.3 percent exceeds the regional construction labor pool of 22.7 percent in the Philadelphia MSA (Table 2.3.A).

The difference between the availability of minority workers compared to the utilization of minority workers determines the disparity between the participation of minority and non-minority workers on EOP projects. This disparity ratio is simply the utilization rate divided by the availability rate. A disparity ratio that is greater than 1.0 represents "over-utilization," whereas a disparity ratio less than 1.0 represents "under-utilization." Therefore, a disparity ratio of 1.0 indicates parity in the labor pool between minority and non-minority workers. A ratio of less than 1.0 reveals that there are more minority workers available in the labor pool than are working on EOP projects. The disparity ratio can and will fluctuate year to year based on the availability of workers compared to their participation on projects. It is also important to note that the City competes with other project owners for diverse workers, particularly in trades where there is a relative scarcity in minority and female workers.

Over-Utilization

No Disparity

Under-Utilization

Econsult Solutions (2016)

Figure 4.0 Ratio of Utilization to Availability: Disparity Ratio

4.1 Disparity at the MSA level

Table 4.1.A shows the disparity ratios related to the MSA construction trades labor force and their participation on EOP projects. Since the availability of minority trade workers in the MSA is lower than the utilization on EOP contracts, the disparity ratio for all minority workers exceeds 1.0. In other words, the disparity ratio shows that combined utilization of both minority Laborers and Skilled workers across the MSA is exceeding availability with an overall disparity ratio of 1.38. However, when examining the Laborer and Skilled categories closely, the disparity ratio of minority Laborers is 1.42 while the disparity ratio of minority Skilled workers is .90, indicating the overall high utilization of minority workers is dominated by minority Laborers. The disparity ratios of minority workers in both the Laborer and Skilled categories fell from 2015 levels. The utilization of women across both the Laborer and Skilled categories is well below the availability in the MSA, as the disparity ratio of 0.31 indicates.

Table 4.1.A FY2016 Trade/Contractor Disparity in Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metro Area by Race/Ethnicity/Gender and Job Type

DE 1015 Wick of the deferminency of the 100 Type						
Utilization/ Availability	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	0.30	1.16	1.78	0.50	10.00	1.42
Skilled	0.30	0.99	0.92	0.18	2.89	0.90
All	0.31	1.25	1.72	0.34	2.92	1.38

Econsult Solutions (2015, 2016)

Table 4.1.B FY2015 Trade/Contractor Disparity in Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metro Area by Race/Ethnicity/Gender and Job Type¹⁸

	DE-IVID Wetro Area by Nace/Ethnicity/Gender and Job Type					
Utilization/ Availability	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	0.35	1.21	2.05	1.42	29.88	1.63
Skilled	0.28	1.19	0.93	0.08	1.37	0.97
All	0.33	1.42	2.06	0.80	3.90	1.64

Econsult Solutions (2015, 2016)

ECONSULT SOLUTIONS, INC. MILLIGAN & COMPANY, LLC

¹⁸ Security guard hours were eliminated from the utilization analysis, as a result, the disparity figures in Table 4.1.B differ from the figures in Table 3.4.A in the FY2015 Employment Composition Analysis Report.

4.2 Disparity at the City level

In comparison, Table 4.2.A shows the disparity ratios related to the construction trades labor force in the City of Philadelphia and participation on EOP projects. The availability of minority trade workers in Philadelphia is much higher (45.0 percent) than the availability in the MSA (22.7 percent). Since the availability of minority employees is higher in the City, the disparity ratios in the City are significantly lower than the disparity ratios in the MSA.

In the City, the Laborer category for all minorities reached a disparity ratio of 0.86 while the

Compared to FY15, the overall minority disparity ratio fell to 0.70 and the female disparity ratio decreased to 0.23.

Skilled category is much lower at a ratio of 0.43. The disparity ratios indicate that Laborers by race and ethnicity have a much higher utilization rate than minority Skilled workers. However, although the overall minority disparity rate for Laborers is 0.86, the Laborer disparity ratios by each race other than Hispanic are significantly lower. Specifically, the

Hispanic Laborer disparity ratio is 1.64, meaning that while 19.0 percent of the available labor force at the City level consists of Hispanic Laborers, 31.0 percent of all Laborer hours are performed by Hispanics. African American and Asian Laborer disparity ratios show under-utilization at ratios of 0.54 and 0.22 respectively.

The minority Skilled worker disparity ratio of 0.43 indicates that there are fewer minority Skilled workers within Philadelphia participating on EOP projects than are available for work. In the City, all disparity ratios within each race and ethnicity category for Skilled workers are below 1.0, except for Native Americans. The ratio for women Skilled workers (0.25) falls below 1.0, yet displays less disparity than the women Laborer category (0.18). In addition, the minority and disparity ratios have decreased in both the Laborer and Skilled categories from 2015 levels. Overall, in the City, minorities and women in the construction trades are under-utilized but the ratios vary between the Laborer and Skilled categories by race and ethnicity.

Table 4.2.A FY2016 Trade/Contractor Disparity in Philadelphia City by Race/Ethnicity/Gender and Job Type

Utilization/ Availability	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	0.18	0.54	1.64	0.22	N/A	0.86
Skilled	0.25	0.38	0.63	0.06	1.23	0.43
All	0.23	0.49	1.26	0.13	1.39	0.70

Econsult Solutions (2015, 2016)

Table 4.2.B FY2015 Trade/Contractor Disparity in Philadelphia City by Race/Ethnicity/Gender and Job Type¹⁹

Utilization/ Availability	Women	African- American	Hispanic	Asian	Native American	All Minority
Laborer	0.21	0.56	1.89	0.62	N/A	0.99
Skilled	0.24	0.45	0.63	0.03	0.58	0.46
All	0.25	0.56	1.50	0.30	1.85	0.83

Econsult Solutions (2015, 2016)

ECONSULT SOLUTIONS, INC. MILLIGAN & COMPANY, LLC

¹⁹ Security guard hours were eliminated from the utilization analysis, as a result, the disparity figures in Table 4.1.B differ from the figures in Table 3.4.B in the FY2015 Employment Composition Analysis Report.

5 FINDINGS AND RECOMMENDATIONS

5.1 Implications for Policy and Program Actions

Goals based upon labor force availability are justifiable for this type of data analysis. As this is only the second year of this report, the City continues to analyze this data and its implications for employment goal setting and monitoring. This helps to inform which areas should be explored further. Disparity in the number of hours worked by minorities compared to number of hours worked by non-minorities, particularly in the Skilled trades, remains, suggesting a need for an increased number of minority Skilled workers employed on projects with EOPs.

A majority of EOP Employment projects failed to meet the 32 percent goal. It is important to acknowledge that project teams, particularly for smaller projects, are often assembled through informal connections and previous working relationships, whereas larger projects often require some type of formal outreach to gather an appropriate team. Any effective strategy of addressing the relatively low minority participation of smaller and mid-sized projects must recognize both of these realities, using methods to ensure that minorities and women are not systematically excluded from employment opportunities. Additionally, given current minority availability of 45.0 and utilization of 31.3 percent, the City should revisit the 32 percent goal and consider setting a goal that more closely aligns with the current utilization and availability of minority workers.

Monitoring the utilization of new hires, journeypersons, and apprentices will help the City better understand the impact of new hires and apprentices on future utilization and availability. Before effective policies encouraging increased female and minority participation can be pursued, additional data must be collected and analyzed, particularly to determine whether the relatively large number of new hires is translating into overall increased participation. This analysis will help to inform future policy recommendations and prioritization.

5.2 For Further Exploration

Increased minority goal and different goals for Skilled vs. Laborer

Recall in Section 3.2 that the analysis showed minority utilization (31.3 percent) fell just short of the 32 percent goal. In Table 2.3.B, the availability of all minorities in the City in construction

trades was shown to be 45.0 percent. By looking at availability versus utilization, the City can set a goal based on historical utilization, sound methodology, and analysis.

The City may want to consider monitoring the minority goal more closely to reconcile both the disparity in the utilization of minority Skilled workers and the large number of EOPs that are having difficulty in meeting the 32 percent minority employment goal. Additional exploration is needed on how availability and utilization influence each other and the possibility that the 32 percent minority goal is too low. The overall participation rate is a combination of Laborer and Skilled hours. Drilling down a little deeper into the data shows Laborer availability of 59.0 percent and Laborer utilization of 51.0 percent (see Tables 2.3.B and 3.2.A) and Skilled worker availability of 40.9 percent and Skilled utilization at 17.5 percent. Based upon availability of both Laborers and Skilled workers plus the actual total minority utilization of 31.3 percent, as outlined in the FY2015 report, a revised total minority goal of 40 percent appears achievable.

Table 5.2.A EOP Recommended EOP Employment Goal for Minorities by Employment Type

	Utilization	Availability	Recommended Goal
Laborer	51%	59%	60%
Skilled	18%	40%	30%
All	31%	45%	40%

Continue setting goals for subcategories for individual race/ethnicity

Just as the overall minority goal could be reevaluated, the City set separate goals for Laborer and Skilled hours on EOP projects based on the FY2015 report. Sections 2 and 3 discussed the differences between not only the availability and utilization of laborers versus Skilled workers but also the differences between race, ethnicity, and gender with the Laborer and Skilled categories. Considering the possibility of setting and achieving a higher overall minority goal as discussed above, it makes sense also to consider exploring goal setting for individual categories. Based on the differences analyzed in availability and utilization for Laborer and Skilled, different goals can possibly be set for each EOP depending on the split of the labor hours required for the project. For instance, based upon the analysis of current availability and historic utilization, the following goals, based upon an overall goal of 40 percent, appear reasonable for consideration:

Table 5.2.B EOP Recommended EOP Employment Goal for Minorities by Race/Ethnicity and by Employment Type

Race/Ethnicity	Laborer Hours	Skilled Hours	All Hours
African American	30%	18%	22%
Hispanic	27%	10%	15%
Asian	3%	2%	3%
Total Hours by Subcategory	60%	30%	
Total Hours			40%

Any change to setting goals based on race and ethnicity needs to be strategic. Goals would potentially have to be set for each EOP individually by considering the worker skill level and the hours required to complete the project. When looking at the percentage of Laborer versus Skilled hours, the Skilled work would need to be understood for each trade required on the project. The minority availability is likely to be different for each trade; therefore, the minority hours would be different for each EOP. If OEO chooses to pursue this methodology for future goal setting, goals can be set on the differences between Laborer and Skilled hours. For instance, if the project requires more Skilled worker hours, a higher goal can be set for minority Skilled participation so that the overall project goal is achieved. Additionally, the City would need to evaluate how to effectively track and monitor goals set at this level.

OEO can explore how to work with both contractors and the trades to move more minority workers into the Skilled category. OEO has had success with mentor-protégé type programs that bring prime contractors and M/W/DSBE subcontractors together. Through the accomplishments of these programs, an increasing number of M/W/DSBE contractors have been able to grow and are moving into the prime contract role as evidenced in the FY 2015 Annual Disparity Study. OEO may want to consider a similar approach to helping contractors identify minority workers who can moved into Skilled trades. In considering the overall goal, it is likely that the City needs to conduct more outreach and capacity building in order to increase the availability and to grow the utilization of racial and ethnic minority for Skilled hours.

Continue setting a goal for minority apprentice participation

In accordance with the overall minority goal, setting an additional goal to encourage the use of minority apprentices promotes both current and future minority apprentice utilization, while supporting increased availability at the journeyperson level in the future. As outlined in the

MAACID report, of all apprentice hours, the City currently aims for 50 percent participation by minority apprentices. Recall from Table 3.3, in FY2016, of all apprentice hours, 46.4 percent were performed by minorities, while in FY2015, of all apprentice hours, 39.2 percent were performed by minorities. Thus, setting a goal to achieve 50 percent apprentice utilization for all minority hours is justifiable and achievable.

However, in order to achieve this goal, the distribution of minority apprentice hours by Skilled and Laborer must be taken into account. Specifically, in FY2016, 63 percent of all minority apprentice hours were performed by workers in the Skilled trades. Because the majority of minority apprentice hours were performed by Skilled workers, in order to achieve an overall 50 percent minority apprentice participation goal, Skilled minority apprentice utilization must be at or near 50 percent. Achieving a high level of Skilled minority apprentice participation will be disadvantaged by the fact that minority hours are twice as likely to be performed by Laborers than Skilled workers, further evidence of the need to reconcile the disparity in the utilization of minority Skilled workers.

Although a goal to encourage minority apprentice participation is justified, as acknowledged previously in the report, the actual dynamic between apprentice and journeyperson workers remains complex and unknown. Between FY2015 and FY2016, a trend of decreasing minority journeyperson hours and increasing minority apprentice hours can be observed in both the Laborer and Skilled categories. The relationship between minority apprentice and journeyperson participation should be monitored in the future and additional strategies to encourage increased minority participation and advancement may be needed.

Table 5.2.C EOP Recommended EOP Employment Goal for Minority Apprentices

Minority Apprentice Subcategory	Percentage of Hours
Minority Apprentice Laborer	50%
Minority Apprentice Skilled	50%
All Minority Apprentice Hours	50%

Consider decreasing goals for women workers

Based upon current availability and utilization, the achievement of a 7 percent goal for women workers in the construction industry appears unlikely. As discussed in Sections 2 and 3, the availability of women in the trades is 0.7 percent, much lower than the current 7 percent goal. Additionally, the overall utilization of women was also only at 0.8 percent.

Table 5.2.D EOP Recommended EOP Employment Goal for Women by Employment Type

Women Subcategory	Percentage of Hours
Women Laborer	5%
Women Skilled	5%
All Women Hours	5%

Based upon both availability and utilization of 0.8 percent, the 5.0 percent goal for all women would be considered a "stretch" goal, a participation rate to be strived toward. Further examination would be beneficial to determine why the utilization of women in Laborer hours in much lower than availability and how this affects the achievement of the current 7 percent goal. A strategy of investment and outreach should be considered to increase female availability and utilization.

In addition, the City has set a goal to encourage the utilization of female apprentices and support increased availability at the journeyperson level in the future. Of all female labor hours, the City currently aims for 5 percent participation by female apprentices. In FY2016, zero labor hours were performed by female apprentices and in FY2015 only 2.6 percent of apprentice hours were performed by women. A 5 percent female apprentice participation goal is too high; however, it is difficult to determine a reasonable goal due to low utilization of both female apprentices and women overall. Strategies to promote and encourage the availability, utilization, and advancement of female workers at both the Skilled and Laborer level are needed.

Examine the employment participation rate on smaller EOP projects

As discussed in Section 3.6, over two-thirds (67 percent) of all EOPs did not meet the 32 percent minority employment goal. Exploration should be done as to why there are so many small and mid-sized EOP projects that had no minority employment participation. Additional efforts to encourage contractors to diversify their core employment group may also be beneficial. The City should explore how smaller projects can increase their capacity for hiring minorities.

Refine employment data

Finally, it is worth exploring how the data collected for this report can be refined. OEO can improve the overall analysis by exploring all available data, addressing the issue of the categorization of non-specified workers (NS), and attempting to limit the number of projects that have NS hours by encouraging contractor to accurately report hours. The current data set of EOPs analyzed for this report shows a significant amount of NS hours for some EOPs while other EOP projects do not have any NS hours recorded. In addition, little is known about new hires, more complete information about this category of worker would improve the data available and the overall analysis.

Rebuilding Community Infrastructure (Rebuild)

Launched in 2017 by the City of Philadelphia, the Rebuild program is a \$500 million, seven-year initiative to revitalize the city's parks, recreation centers, playgrounds, and libraries in the neighborhoods most in need of investment. The current Rebuild program workforce participation goal of 40 percent aligns with the recommendations in this report. As Rebuild is trying to find its way in terms of figuring out how to set goals and at what level, the FY2015 and FY2016 analysis of EOP employment utilization and employee availability can be very instructive and should therefore be taken into consideration. The Rebuild program presents a unique opportunity for the City to encourage increased participation of minorities and women in the Skilled category to help achieve the stated goal of 40 percent and to accomplish the economic opportunity objective of promoting diversity and creating jobs. It will be essential that the City closely monitor this goal to ensure it is achieved successfully throughout the seven years of the program.

List of Abbreviations

ACS American Community Survey

AIAN American Indian and Alaska Native

DSBE(s) Disabled Business Enterprise(s)

EEO Equal Employment Opportunity

EOC Economic Opportunity Cabinet

EOP Economic Opportunity Plans

FY Fiscal Year

M/W/DSBE(s) Collective name for Minority, Women, and Disabled Business Enterprise(s)

MACCID Mayor's Advisory Commission on Construction Industry Diversity

MBE(s) Minority Business Enterprise(s)

MSA Philadelphia Metropolitan Statistical Area

NS Non-specified workers (defined as workers not identified as White, African-

American, Hispanic, Asian, Native American, or Other in LCP Tracker)

OEO Office of Economic Opportunity

WBE(s) Women Business Enterprise(s)

APPENDIX

Table A.1 Count and Distribution of Hours, Laborer vs. Skilled

	Total	Total - NS	African American	Hispanic	Asian	Native	All Minority	All Female	% Minority of Total-NS	% Female of Total-NS
All Hours	829,607	778,441	102,392	134,566	3,162	3,778	243,897	5,888	31.3%	0.8%
% of Total - NS		100.0%	13.2%	17.3%	0.4%	0.5%	31.3%	0.8%		
% of Total		93.8%								
Laborer Hours	330,891	321,528	60,718	99,821	2,215	1,173	163,927	2,660	51.0%	0.8%
% of Total - NS		100.0%	18.9%	31.0%	0.7%	0.4%	51.0%	0.8%		
% of Total		97.2%								
Skilled Hours	498,717	456,912	41,674	34,745	947	2,605	79,970	3,228	17.5%	0.7%
% of Total - NS		100.0%	9.1%	7.6%	0.2%	0.6%	17.5%	0.7%		
% of Total		91.6%								

Table A.2 Water Department - Count and Distribution of Hours, Laborer versus Skilled

	Total	Total -NS	African- American	Hispanic	Asian	Native American	All Minority	All Female	% Minority of Total-NS	% Female of Total-NS
Laborer Hours	207,402	207,009	37,532	75,089	1,687	842	115,149	842	55.6%	0.4%
% of Total – NS	NA	100.0%	18.1%	36.3%	0.8%	0.4%	55.6%	0.4%	NA	NA
Skilled Hours	201,808	198,625	19,378	18,608	646	42	38,673	1,369	19.5%	0.7%
% of Total – NS	NA	100.0%	9.8%	9.4%	0.3%	0.0%	19.5%	0.7%	NA	NA
All Hours	409,211	405,634	56,910	93,697	2,332	884	153,822	2,211	37.9%	0.5%
% of Total – NS	NA	100.0%	14.0%	23.1%	0.6%	0.2%	37.9%	0.5%	NA	NA

Table A.3 Aviation Division - Count and Distribution of Hours, Laborer versus Skilled

	Total	Total - NS	African- American	Hispanic	Asian	Native American	All Minority	All Female	% Minority of Total- NS	% Female of Total- NS
Laborer Hours	52,559	51,573	10,515	5,504	424	51	16,494	239	32.0%	0.5%
% of Total – NS	NA	100.0%	20.4%	10.7%	0.8%	0.1%	32.0%	0.5%	NA	NA
Skilled Hours	150,306	137,841	12,648	10,647	59	2,378	25,732	31	18.7%	0.0%
% of Total – NS	NA	100.0%	9.2%	7.7%	0.0%	1.7%	18.7%	0.0%	NA	NA
All Hours	202,866	189,415	23,163	16,151	483	2,429	42,226	270	22.3%	0.1%
% of Total – NS	NA	100.0%	12.2%	8.5%	0.3%	1.3%	22.3%	0.1%	NA	NA

Table A.4 Streets Department - Count and Distribution of Hours, Laborer versus Skilled

	Total	Total -NS	African- American	Hispanic	Asian	Native American	All Minority	All Female	% Minority of Total- NS	% Female of Total- NS
Laborer Hours	56,983	50,016	9,175	17,340	8	0	26,524	972	53.0%	1.9%
% of Total – NS	NA	100.0%	18.3%	34.7%	0.0%	0.0%	53.0%	1.9%	NA	NA
Skilled Hours	83,754	67,393	6,157	3,289	8	186	9,639	2,033	14.3%	3.0%
% of Total – NS	NA	100.0%	9.1%	4.9%	0.0%	0.3%	14.3%	3.0%	NA	NA
All Hours	140,737	117,409	15,332	20,629	16	186	36,163	3,005	30.8%	2.6%
% of Total – NS	NA	100.0%	13.1%	17.6%	0.0%	0.2%	30.8%	2.6%	NA	NA

Table A.5 Public Property Department - Count and Distribution of Hours, Laborer versus Skilled

	Total	Total -NS	African- American	Hispanic	Asian	Native American	All Minority	All Female	% Minority of Total- NS	% Female of Total- NS
Laborer Hours	13,946	12,930	3,496	1,889	96	280	5,761	145	44.6%	1.1%
% of Total – NS	NA	100.0%	27.0%	14.6%	0.7%	2.2%	44.6%	1.1%	NA	NA
Skilled Hours	62,848	53,054	3,491	2,201	235	0	5,926	258	11.2%	0.5%
% of Total – NS	NA	100.0%	6.6%	4.1%	0.4%	0.0%	11.2%	0.5%	NA	NA
All Hours	76,794	65,984	6,987	4,089	331	280	11,687	403	17.7%	0.6%
% of Total – NS	NA	100.0%	10.6%	6.2%	0.5%	0.4%	17.7%	0.6%	NA	NA

Table A.6 Count and Distribution of Hours by Skilled Trade Type: Top 10 Trades by Hours

Skilled Hours	Total	Total - NS	% Journey of Total-NS	% Apprentice of Total-NS	% New Hire of Total-NS	African American	Hispanic	Asian	Native	All Minority	All Female
POWER EQUIPMENT OPERATOR	144,795	142,369	98.9%	1.1%	22.1%	16,905	18,382	564	212	36,063	634
CARPENTER	86,129	81,991	98.2%	1.8%	52.0%	4,062	427	0	0	4,489	1,230
ELECTRICIAN	62,942	44,790	96.0%	4.0%	24.9%	1,839	223	0	795	2,856	16
TRUCK DRIVER	55,671	54,531	100.0%	0.0%	16.0%	7,345	7,831	0	1,598	16,773	29
CEMENT MASON	30,133	29,360	99.3%	0.7%	28.2%	3,792	1,242	0	0	5,034	251
STEAM FITTER	25,140	25,112	93.3%	6.7%	56.0%	935	419	0	0	1,354	0
LINE CONSTRUCTION	17,712	4,663	80.2%	19.8%	15.1%	122	616	0	0	738	938
IRONWORKER	17,071	17,028	95.9%	4.1%	60.3%	1,859	1,421	90	0	3,369	98
ROOFER	13,771	13,771	90.1%	9.9%	50.6%	1,449	3,321	235	0	5,004	0
PLUMBER	11,863	11,863	77.8%	22.2%	21.4%	1,556	28	0	0	1,584	0
Top 10 Total	465,226	425,479				39,863	33,907	889	2,605	77,263	3,195
% of Total-NS		100.0%				9.4%	8.0%	0.2%	0.6%	18.2%	0.8%

Table A.7 Count and Distribution of Hours by Skilled Trade Type

Skilled Hours	Total	Total - NS	Total Journey - NS	% Journey of Total- NS	Total Apprentice - NS	% Apprentice of Total- NS	Total New Hire - NS	% New Hire of Total- NS	African American	Hispan ic	Asian	Native American	All Minority	All Female	% Minority of Total- NS	% Female of Total- NS	% of Total
POWER EQUIPMENT OPERATOR	144,795	142,369	140,790	98.9%	1,580	1.1%	31,465	22.1%	16,905	18,382	564	212	36,063	634	25.3%	0.4%	31.2%
CARPENTER	86,129	81,991	80,505	98.2%	1,486	1.8%	42,674	52.0%	4,062	427	0	0	4,489	1,230	5.5%	1.5%	17.9%
ELECTRICIAN	62,942	44,790	43,001	96.0%	1,789	4.0%	11,153	24.9%	1,839	223	0	795	2,856	16	6.4%	0.0%	9.8%
TRUCK DRIVER	55,671	54,531	54,531	100.0%	0	0.0%	8,717	16.0%	7,345	7,831	0	1,598	16,773	29	30.8%	0.1%	11.9%
CEMENT MASON	30,133	29,360	29,155	99.3%	206	0.7%	8,267	28.2%	3,792	1,242	0	0	5,034	251	17.1%	0.9%	6.4%
STEAM FITTER	25,140	25,112	23,418	93.3%	1,695	6.7%	14,055	56.0%	935	419	0	0	1,354	0	5.4%	0.0%	5.5%
LINE CONSTRUCTION	17,712	4,663	3,739	80.2%	925	19.8%	705	15.1%	122	616	0	0	738	938	15.8%	20.1%	1.0%
IRONWORKER	17,071	17,028	16,323	95.9%	705	4.1%	10,272	60.3%	1,859	1,421	90	0	3,369	98	19.8%	0.6%	3.7%
ROOFER	13,771	13,771	12,408	90.1%	1,364	9.9%	6,964	50.6%	1,449	3,321	235	0	5,004	0	36.3%	0.0%	3.0%
PLUMBER	11,863	11,863	9,232	77.8%	2,631	22.2%	2,544	21.4%	1,556	28	0	0	1,584	0	13.4%	0.0%	2.6%
MILLWRIGHT	6,839	5,369	4,615	85.9%	755	14.1%	2,491	46.4%	0	0	0	0	0	0	0.0%	0.0%	1.2%
POINTER, CAULKER & CLEANER	4,804	4,804	4,361	90.8%	444	9.2%	475	9.9%	659	13	0	0	672	0	14.0%	0.0%	1.1%
SHEET METAL WORKER	4,567	4,567	4,436	97.1%	131	2.9%	296	6.5%	108	364	59	0	530	0	11.6%	0.0%	1.0%
PILEDRIVERMAN	4,375	4,375	4,303	98.3%	73	1.7%	620	14.2%	0	56	0	0	56	33	1.3%	0.8%	1.0%
TILE FINISHER	2,271	2,271	2,271	100.0%	0	0.0%	240	10.6%	0	0	0	0	0	0	0.0%	0.0%	0.5%
BRICKLAYER	2,071	2,071	2,030	98.0%	41	2.0%	796	38.4%	508	0	0	0	508	0	24.5%	0.0%	0.5%
GLAZIER	2,048	2,048	1,831	89.4%	217	10.6%	94	4.6%	328	289	0	0	617	0	30.1%	0.0%	0.4%
TILE SETTER	1,506	1,506	1,506	100.0%	0	0.0%	40	2.7%	0	0	0	0	0	0	0.0%	0.0%	0.3%
TECHNICIAN	1,097	689	689	100.0%	0	0.0%	72	10.5%	0	0	0	0	0	0	0.0%	0.0%	0.2%
PAINTER	1,093	1,093	1,067	97.6%	26	2.4%	189	17.3%	0	16	0	0	16	0	1.5%	0.0%	0.2%
DRY WALL FINISHER	824	805	805	100.0%	0	0.0%	629	78.1%	176	0	0	0	176	0	21.9%	0.0%	0.2%

Skilled Hours	Total	Total - NS	Total Journey - NS	% Journey of Total- NS	Total Apprentice - NS	% Apprentice of Total- NS	Total New Hire - NS	% New Hire of Total- NS	African American	Hispan ic	Asian	Native American	All Minority	All Female	% Minority of Total- NS	% Female of Total- NS	% of Total
SPRINKLER FITTER	475	475	475	100.0%	0	0.0%	21	4.4%	0	0	0	0	0	0	0.0%	0.0%	0.1%
STONE MASON	403	403	403	100.0%	0	0.0%	0	0.0%	0	0	0	0	0	0	0.0%	0.0%	0.1%
ASBESTOS WORKER	391	367	367	100.0%	0	0.0%	8	2.2%	0	0	0	0	0	0	0.0%	0.0%	0.1%
PLASTERER	364	244	244	100.0%	0	0.0%	244	100.0 %	0	100	0	0	100	0	41.0%	0.0%	0.1%
APPRENTICE	178	170	170	100.0%	0	0.0%	34	19.8%	34	0	0	0	34	0	19.8%	0.0%	0.0%
SOFT FLOOR LAYER (RESILIENT FLOOR)	160	160	160	100.0%	0	0.0%	0	0.0%	0	0	0	0	0	0	0.0%	0.0%	0.0%
TERRAZZO MECHANIC	18	18	18	100.0%	0	0.0%	0	0.0%	0	0	0	0	0	0	0.0%	0.0%	0.0%
LINEMAN	9	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0	0.0%	0.0%	0.0%
Total	498,717	456,912	442,849		14,064		143,061		41,674	34,745	947	2,605	79,970	3,228	17.5%	0.7%	100.0%
% of Total - NS		100.0%		96.9%		3.1%		31.3%	9.1%	7.6%	0.2%	0.6%	17.5%	0.7%			

Table A.8 Count and Distribution of Hours by Employee Type

All Hours	Total	Total - NS	African American	Hispanic	Asian	Native	All Minority	All Female	% Minority of Total-NS	% Female of Total-NS	% of Total
Journey	807,682	761,498	96,112	133,193	2,945	3,778	236,028	5,888	31.0%	0.8%	97.8%
Apprentice	21,925	16,943	6,280	1,373	217	0	7,869	0	46.4%	0.0%	2.2%
Total	829,607	778,441	102,392	134,566	3,162	3,778	243,897	5,888	31.3%	0.8%	100.0%
% of Total - NS		100.0%	13.2%	17.3%	0.4%	0.5%	31.3%	0.8%			
New Hire	254,260	232,438	43,069	25,759	1,340	981	86,801	4,571	37.3%	2.0%	29.9%
Laborer Hours	Total	Total - NS	African American	Hispanic	Asian	Native	All Minority	All Female	% Minority of Total-NS	% Female of Total-NS	% of Total
Journey	328,011	317,239	57,839	99,821	2,215	1,173	161,047	2,660	50.8%	0.8%	99.1%
Apprentice	2,880	2,880	2,880	0	0	0	2,880	0	100.0%	0.0%	0.9%
Total	330,891	320,118	60,718	99,821	2,215	1,173	163,927	2,660	51.2%	0.8%	100.0%
% of Total - NS		100.0%	19.0%	31.2%	0.7%	0.4%	51.2%	0.8%			
New Hire	92,408	88,912	27,382	17,591	1,105	0	46,078	1,959	51.8%	2.2%	27.8%
Skilled Hours	Total	Total - NS	African American	Hispanic	Asian	Native	All Minority	All Female	% Minority of Total-NS	% Female of Total-NS	% of Total
Journey	479,671	444,259	38,273	33,372	731	2,605	74,981	3,228	16.9%	0.7%	96.9%
Apprentice	19,046	14,064	3,401	1,373	217	0	4,990	0	35.5%	0.0%	3.1%
Total	498,716	458,322	41,674	34,745	947	2,605	79,970	3,228	17.4%	0.7%	100.0%
% of Total - NS		100.0%	9.1%	7.6%	0.2%	0.6%	17.4%	0.7%			
New Hire	161,852	143,526	15,686	8,168	235	981	25,070	2,612	17.5%	1.8%	31.3%

Table A.9 Summary of Project Performance vs. Goal by Project

	Met Minority Goal	All Projects (only those with specified hours)	% Met Minority Goals	Met Female Goals	All Projects	% Met Female Goals
All Hours	157	505	31.1%	13	505	2.6%
Laborer Hours	166	288	57.6%	6	288	2.1%
Skilled Hours	79	440	18.0%	12	440	2.7%

Table A.10 Count and Distribution of Hours by Project

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
2014 Citywide ADA Ramps Upgrade	Seravalli, Inc.	20,682	20,682	1,828	5,769	0	0	0	7,597	0	36.7%	1	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Cocco Contracting Corp.	3,590	3,590	798	101	0	0	0	898	14	25.0%	0	0.4%	0	0
2014 Citywide ADA Ramps Upgrade	Gessler Construction Co. Inc.	644	644	97	88	0	0	0	185	0	28.7%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Zone Striping Inc.	537	537	0	138	0	0	0	138	0	25.7%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Protection Services, Inc.	334	334	0	40	0	0	0	40	0	12.1%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Aviman Management, LLC	456	432	0	0	0	0	0	0	0	0.0%	0	0.0%	0	24
2015 Milling 4th,5th,6th Highway Dist	Tony DePaul & Son	4,325	4,180	170	1,176	0	0	0	1,346	138	32.2%	1	3.3%	0	145
2015 Milling 4th,5th,6th Highway Dist	Traffic & Safety Signs, Inc.	20	20	0	6	0	0	0	6	0	30.8%	0	0.0%	0	0
2016 Citywide Tack Coat	James J. Anderson Construction Co, Inc.	93	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	93
2016 Citywide Tack Coat	SJA Construction, Inc.	92	92	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
2016 Stadium Area & Anti-Skid Paving & ADA Curb Ramps Upgrade (pal)	James J. Anderson Construction Co, Inc.	2,835	1,567	396	927	0	0	66	1,323	0	84.4%	1	0.0%	0	1,203
2016 Stadium Area & Anti-Skid Paving & ADA Curb Ramps Upgrade (pal)	Zone Striping Inc.	631	631	0	317	0	0	0	317	0	50.3%	1	0.0%	0	0
3807/Tyson Ave	Seravalli, Inc.	573	573	90	252	0	0	0	342	0	59.7%	1	0.0%	0	0
3807/Tyson Ave	Carr & Duff, Inc.	62	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	62
41st Street Bridge	Loftus Construction, Inc.	17,812	17,812	2,879	0	0	0	0	2,879	1,830	16.2%	0	10.3%	1	0
41st Street Bridge	LB Construction Enterprises, Inc.	1,072	1,072	267	253	0	0	0	519	0	48.4%	1	0.0%	0	0
41st Street Bridge	BillyBoy Contracting LLC	140	140	140	0	0	0	0	140	0	100.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
41st Street Bridge	Alliance Environemntal Systems	32	32	0	24	8	0	0	32	0	100.0%	1	0.0%	0	0
41st Street Bridge	Protection Services, Inc.	19	19	19	0	0	0	0	19	0	100.0%	1	0.0%	0	0
41st Street Bridge	DeSilvio & Co., Inc.	32	32	0	12	0	0	0	12	8	37.5%	1	25.0%	1	0
41st Street Bridge	ABC Construction Co., Inc.	901	901	8	0	0	0	0	8	0	0.9%	0	0.0%	0	0
41st Street Bridge	Carusone Construction Inc.	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
41st Street Bridge	Ram-T Corporations	7	7	0	7	0	0	0	7	0	100.0%	1	0.0%	0	0
41st Street Bridge	Atlantic Concrete Cutting, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Bridg-It Fabrications, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Carr & Duff, Inc.	56	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	56
41st Street Bridge	L.W. Clearing Company	75	75	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Precision Drilling, Inc.	695	695	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Weber Steel Service & Associates, LLC	274	274	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4605 Market St	D.A. Nolt Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4610 Market St	D.A. Nolt Inc.	4,678	4,678	243	817	235	0	0	1,295	0	27.7%	0	0.0%	0	0
4615 Market St	Delaware Valley Crane Rental, Inc.	394	394	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4620 Market St	Eagle I Electric, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4625 Market St	Graboyes Commercial Window Co.	1,059	1,059	217	0	0	0	0	217	217	20.5%	0	20.5%	1	0
4630 Market St	Graboyes Commercial Window Co.	927	927	328	225	0	0	0	553	0	59.7%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
4635 Market St	Masonary Preservation Group, Inc.	1,537	1,537	467	0	0	0	0	467	0	30.4%	0	0.0%	0	0
4640 Market St	Masonary Preservation Group, Inc.	1,073	1,073	1,073	0	0	0	0	1,073	0	100.0%	1	0.0%	0	0
4645 Market St	Masonary Preservation Group, Inc.	3,798	3,798	589	0	0	0	0	589	0	15.5%	0	0.0%	0	0
4650 Market St	Masonary Preservation Group, Inc.	444	444	30	0	0	0	0	30	0	6.8%	0	0.0%	0	0
4655 Market St	Tierra Construction Services, LLC	159	159	159	0	0	0	0	159	0	100.0%	1	0.0%	0	0
4660 Market St	Tierra Construction Services, LLC	174	174	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4665 Market St	Donato Spaventa & Sons, Inc.	66	66	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4670 Market St	Donato Spaventa & Sons, Inc.	66	66	66	0	0	0	0	66	0	100.0%	1	0.0%	0	0
A.C. Schultes, Inc.	C. Abbonizio Contractors	3,005	3,005	330	435	0	0	0	765	297	25.5%	0	9.9%	1	0
A.C. Schultes, Inc.	Thesing Power Sweeping, Inc.	98	97	89	0	0	0	0	89	0	92.1%	1	0.0%	0	2
A.C. Schultes, Inc.	Ram-T Corporations	36	36	0	36	0	0	0	36	0	100.0%	1	0.0%	0	0
A.C. Schultes, Inc.	QW Trucking LLC	640	19	19	0	0	0	0	19	19	100.0%	1	100.0%	1	621
A.C. Schultes, Inc.	A.C. Schultes, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
A.C. Schultes, Inc.	Abbonizio Transfer	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Access Control System (ACS) Upgrade Phase 7	E.J. Electric, Inc.	1,508	1,508	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Access Control System Upgrade Phase 11	Armour & Sons Electric, Inc.	689	689	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Access Control System Upgrade Phase 6	Armour & Sons Electric, Inc.	4,145	4,145	736	0	0	0	0	736	0	17.8%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Access Control System Upgrase Phase 5	E.J. Electric, Inc.	1,898	1,898	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Miniscalco Construction, LLC	2,622	2,622	238	0	0	0	0	238	0	9.1%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Criniti Construction	309	309	102	0	0	0	0	102	0	32.9%	1	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	DeSilvio & Co., Inc.	159	159	0	64	0	0	0	64	20	40.3%	1	12.3%	1	0
Ammonia System Improvements @ Baxter WTP	Hamada Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	J.Mann-R. Finley, Inc.	104	104	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Sioutis Coating Enterprise, Inc.	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Annual Service Contract	Carusone Construction Inc.	1,026	1,026	0	325	0	0	0	325	0	31.7%	0	0.0%	0	0
Annual Service Contract	Mena Construction, Inc.	88	88	0	88	0	0	0	88	0	100.0%	1	0.0%	0	0
Barry Playground Mechanical	Pannulla Construction Co., Inc.	3,597	2,805	0	778	0	208	0	986	0	35.2%	1	0.0%	0	792
Barry Playground Mechanical	Sable Construction	336	336	128	0	0	0	0	128	0	38.1%	1	0.0%	0	0
Barry Playground Mechanical	C.W.Cook Geothermal	361	361	112	0	0	0	0	112	96	31.0%	0	26.5%	1	0
Barry Playground Mechanical	Allstates Mechanical, LTD	255	255	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Bradley- Sciocchetti, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Dominic Garafolo Mechanical, Inc.	255	255	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Mulhern Electric Co., Inc.	817	729	0	0	0	0	0	0	0	0.0%	0	0.0%	0	88
Barry Playground Mechanical	Precision Air Designs, Inc.	205	205	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Winderco, Inc.	160	160	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Buckley & Company, Inc.	7,188	7,188	1,347	0	0	0	0	1,347	53	18.7%	0	0.7%	0	0
Baxter Trail	Bustleton Services, Inc.	1,848	1,848	38	862	0	0	0	900	0	48.7%	1	0.0%	0	0

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Baxter Trail	Cocco Contracting Corp.	127	127	45	0	0	0	0	45	0	35.0%	1	0.0%	0	0
Baxter Trail	Thomas Lindstrom & Co., Inc.	130	130	11	0	0	0	0	11	0	8.5%	0	0.0%	0	0
Baxter Trail	Traffic & Safety Signs, Inc.	12	12	0	4	0	0	0	4	0	33.3%	1	0.0%	0	0
Baxter Trail	L&R Construction Co., Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Meco Construction, Inc.	1,083	1,019	0	0	0	0	0	0	0	0.0%	0	0.0%	0	64
Baxter Trail	Meco Trucking, Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Zone Striping Inc.	10	10	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	JPC Group Inc.	19,603	19,603	5,285	1,370	0	0	0	6,655	1,194	33.9%	1	6.1%	0	0
Belmont Raw Water Basin	Atlantic Lining Co. Inc.	1,889	1,889	0	6	1,687	0	0	1,693	0	89.6%	1	0.0%	0	0
Belmont Raw Water Basin	Ashgroups, Inc.	776	776	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	Mega Construction Company	339	339	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	Quincy Contractors Inc.	304	304	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Stables	Pannulla Construction Co., Inc.	174	142	0	0	0	40	0	40	0	28.2%	0	0.0%	0	32
Ben Franklin Parkway Streetscape	Tony DePaul & Son	2,819	2,819	555	150	0	0	0	705	0	25.0%	0	0.0%	0	0
Benson Park	Brightline Construction	661	661	82	4	0	0	0	86	0	12.9%	0	0.0%	0	0
Benson Park	General Masonry & Restoration, Inc.	56	56	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Cecil B. Moore Branch Library	Union Roofing Contractors, Inc.	668	668	42	0	0	0	0	42	0	6.3%	0	0.0%	0	0
Center City NE Quadrant	Seravalli, Inc.	18,684	18,660	2,936	5,562	0	186	0	8,684	16	46.5%	1	0.1%	0	24
Center City NE Quadrant	Carr & Duff, Inc.	13,191	549	122	427	0	0	0	549	938	100.0%	1	170.9%	1	12,642
Center City NE Quadrant	Protection	400	400	14	23	0	0	0	37	0	9.1%	0	0.0%	0	0

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	Services, Inc.														
Center City NE Quadrant	Aviman Management, LLC	1,434	1,426	16	0	0	0	0	16	0	1.1%	0	0.0%	0	8
Center City NE Quadrant	Guidemark Inc.	311	311	0	6	0	0	0	6	0	1.9%	0	0.0%	0	0
Center City NE Quadrant	ABC Construction Co., Inc.	646	646	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Center City NE Quadrant	Concrete Cutting Systems	32	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	16
Center City NE Quadrant	Serco, Inc.	167	167	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Center City NE Quadrant	Structured Cable Solutions, Inc.	2,502	2,502	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
City Hall - Rm. 115	Milestone Construction Management, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
City Hall - Rm. 120	Milestone Construction Management, Inc.	22	22	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Electrical Requirements	Pannulla Construction Co., Inc.	44	44	0	8	0	0	0	8	0	18.2%	0	0.0%	0	0
Citywide Electrical Requirements	Mulhern Electric Co., Inc.	1,082	367	0	0	0	0	0	0	16	0.0%	0	4.4%	0	715
Citywide Library, Health Services	General Asphalt Paving Co. of Phila	192	192	16	4	0	0	0	20	0	10.4%	0	0.0%	0	0
Citywide Library, Health Services	Arline Construction Services	1,200	1,200	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Requirement Site Improvements	Nickles Contracting, Inc.	481	481	98	0	0	0	0	98	0	20.3%	0	0.0%	0	0
Citywide Requirement Site Improvements	Joe Fisher & Sons Roofing	248	248	0	80	0	0	0	80	0	32.3%	1	0.0%	0	0
Citywide Requirement Site Improvements	Donato Spaventa & Sons, Inc.	11	11	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Concrete Repairs @ Queen Lane	C & T Associates Inc.	1,394	1,394	0	386	0	0	0	386	0	27.7%	0	0.0%	0	0
Concrete Repairs @ Queen Lane	Gouldey Welding & Fabrications,	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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	Inc.														
Concrete Repairs @ Queen Lane	Tri-State Painting & Wallcovering Inc.	632	632	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Deicing Apron Pkg. 1	Delta/BJDS	50	50	0	32	0	0	0	32	0	64.0%	1	0.0%	0	0
Demolition of 8425 and 8400 Executive Avenue	Northstar Contracting Group, Inc.	9,487	9,487	1,802	1,348	424	0	0	3,574	184	37.7%	1	1.9%	0	0
Demolition of the Damaaged Garage @ 49th St Sewer Maintenance	A.P. Construction, Inc.	24	24	8	16	0	0	0	24	0	100.0%	1	0.0%	0	0
East Park Canoe House (Electrical)	Central Salvage Co., Inc.	16	16	16	0	0	0	0	16	0	100.0%	1	0.0%	0	0
East Park Canoe House (Electrical)	B&B Lighting Protection	47	47	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Electrical)	Coles Mill Construction Co., Inc.	9,219	4,151	0	0	0	0	0	0	0	0.0%	0	0.0%	0	5,068
East Park Canoe House (Electrical)	Mulhern Electric Co., Inc.	2,068	1,287	0	0	0	0	0	0	0	0.0%	0	0.0%	0	781
East Park Canoe House (Electrical)	Murphy Quigley Company, Inc.	2,307	2,307	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Electrical)	PBA Construction, Inc.	140	140	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Plumbing)	Dolan Mechanical, Inc.	1,375	1,375	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	JPC Group Inc.	6,429	6,429	744	21	564	0	0	1,328	0	20.7%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Natgun Corporation Subsidiary of DN Tanks	2,106	2,078	412	435	0	0	28	847	76	40.8%	1	3.7%	0	0
East Park Reservoir @ 33rd & Diamond	LB Construction Enterprises, Inc.	1,381	1,381	173	544	0	0	0	717	0	51.9%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	D.J. Keating Company	1,578	1,578	613	0	0	0	0	613	141	38.8%	1	8.9%	1	0
East Park Reservoir @ 33rd & Diamond	Marona Construction Company	1,919	1,919	606	0	0	0	0	606	0	31.6%	0	0.0%	0	0
East Park Reservoir @ 33rd &	Tierra	160	160	160	0	0	0	0	160	0	100.0%	1	0.0%	0	0

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Diamond	Construction Services, LLC														
East Park Reservoir @ 33rd & Diamond	B. Pietrini & Sons	435	435	81	28	0	0	0	109	0	25.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Tristate Erosion Control, Inc.	234	162	0	56	0	0	72	56	0	34.6%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Maxim Crane	142	142	54	0	0	0	0	54	0	37.8%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Eagle I Electric, Inc.	206	206	8	0	0	0	0	8	0	3.9%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Northeast Fence & Iron Works, Inc.	32	32	0	8	0	0	0	8	0	25.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Nucero Electrical Construction Co., Inc.	245	245	5	0	0	0	0	5	0	1.8%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	AmeriDrill, Inc.	9	9	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Bustleton Services, Inc.	726	726	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Reilly Sweeping Inc.	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Schuykill River Wall	Bustleton Services, Inc.	129	129	0	94	0	0	0	94	0	72.5%	1	0.0%	0	0
East Schuykill River Wall	Loftus Construction, Inc.	342	342	7	0	0	0	0	7	47	1.9%	0	13.8%	1	0
East Schuykill River Wall	General Masonry & Restoration, Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical Substation Upgrade at Northeast Airport	Clearwater Concrete & Masonry, Inc.	8	8	8	0	0	0	0	8	0	100.0%	1	0.0%	0	0
Electrical Substation Upgrade at Northeast Airport	J.Mann-R. Finley, Inc.	139	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	99
Electrical Substation Upgrade at Northeast Airport	Philips Brothers Electrical Contractors Inc.	873	873	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	McCarthy Masonry	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	Minahan Construction, Inc.	24	24	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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Electrical System Upgrades @ Torresdale Raw WPS	Philips Brothers Electrical Contractors Inc.	223	223	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Chesco Coring & Cutting, Inc.	19	19	9	0	0	0	0	9	0	48.6%	1	0.0%	0	0
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Quinco Contracting & Maintenance, Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Smith Construction Inc.	104	104	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Generators(G1,G2,FLV3)Rehabilitation and Electrical Upgrades	Philips Brothers Electrical Contractors Inc.	773	773	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	A.P. Construction, Inc.	26,049	26,049	1,134	841	0	1,556	0	3,531	0	13.6%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	BillyBoy Contracting LLC	3,298	3,298	3,298	0	0	0	0	3,298	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	L Cruz Development, LLC	2,448	2,448	376	2,072	0	0	0	2,448	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Meccon Industries, Inc.	11,220	11,220	935	319	0	0	0	1,254	0	11.2%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Athena Contracting Inc.	1,242	1,242	548	0	0	0	0	548	0	44.1%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Ram-T West Corporation	453	453	0	453	0	0	0	453	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cocco Contracting Corp.	2,831	2,831	0	265	0	0	0	265	0	9.3%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Ram-T Corporations	201	201	0	201	0	0	0	201	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	DeSilvio & Co., Inc.	126	126	0	45	0	0	0	45	31	35.7%	1	24.6%	1	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Allstate Power Vac	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	AmeriDrill, Inc.	2,294	2,294	0	0	0	0	0	0	23	0.0%	0	1.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Carr & Duff, Inc.	3,501	58	0	0	0	0	0	0	0	0.0%	0	0.0%	0	3,444
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cruz Contractors LLC	4,625	4,625	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extended Runway 27L (27C) & Associated Taxiways Pkg. 2	Palman Electric, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Field Lighting and CCTV Installation at Fox Chase Recreation Center	Gressler Construction Co., Inc.	179	179	24	29	0	0	0	53	0	29.6%	0	0.0%	0	0
Field Lighting and CCTV Installation at Fox Chase Recreation Center	Carr & Duff, Inc.	2,135	72	0	0	0	0	0	0	0	0.0%	0	0.0%	0	2,063
Filter to Waste Automation @ Belmont WTP	Delta/BJDS	270	270	0	223	0	0	0	223	0	82.6%	1	0.0%	0	0
Filter to Waste Automation @ Belmont WTP	C & H Industrial Services Inc.	1,837	1,681	0	0	0	0	0	0	0	0.0%	0	0.0%	0	156
Fire Alarm and Egress Lighting at Firehouses	Hyde Electric Corporation	1,000	1,000	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Firehouse 1,33,47,71,and 72 Renovations	Union Roofing Contractors, Inc.	128	128	0	8	0	0	0	8	0	6.3%	0	0.0%	0	0
Firehouses# 19,36,37, & 50	Carr & Duff, Inc.	8	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	8
Firehouses# 19,36,37, & 55	Carr & Duff, Inc.	8	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	8
Frankford & Haverford Libraries	Allstates Mechanical, LTD	69	69	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Frankford & Haverford Libraries	Butler Balancing Co., Inc.	47	47	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Frankford & Haverford Libraries	Palman Electric, Inc.	43	43	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	A.P. Construction, Inc.	1,754	1,754	441	88	0	0	0	529	0	30.2%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Bustleton Services, Inc.	318	318	0	207	0	0	0	207	0	65.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Sable Construction	200	200	104	0	0	0	0	104	0	52.0%	1	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Athena Contracting Inc.	516	516	8	0	0	0	0	8	0	1.6%	0	0.0%	0	0
Green Infrastructure @ 29th St	Donato Spaventa & Sons, Inc.	1,533	1,533	1,191	129	0	0	0	1,320	0	86.1%	1	0.0%	0	0
Green Infrastructure @ 29th St	Roberson Construction, INC.	81	81	81	0	0	0	0	81	0	100.0%	1	0.0%	0	0
Green Infrastructure @ 29th St	Nico Landscaping	20	20	0	20	0	0	0	20	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Clearview Community Park	Seravalli, Inc.	861	861	16	207	0	0	0	223	0	25.9%	0	0.0%	0	0
Green Infrastructure @ Frankford Ave	Seravalli, Inc.	11,366	11,349	794	2,817	0	0	0	3,611	0	31.8%	0	0.0%	0	17
Green Infrastructure @ Frankford Ave	Serco, Inc.	344	344	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Green Infrastructure @ Medary St	Philip Pio Construction, Inc.	1,764	1,764	8	465	0	0	0	473	0	26.8%	0	0.0%	0	0
Green Infrastructure @ Ontario St	Petrongolo Contractors Inc.	2,337	2,337	995	405	0	0	0	1,400	0	59.9%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Donato Spaventa & Sons, Inc.	3,114	3,114	927	339	0	0	0	1,266	0	40.6%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Roberson Construction, INC.	94	94	94	0	0	0	0	94	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Townscapes, Inc.	75	75	0	50	0	0	0	50	0	66.7%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Carr & Duff, Inc.	84	28	0	28	0	0	0	28	0	100.0%	1	0.0%	0	56
Green Infrastructure @ Seybert St	Nova Crete, Inc.	378	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	378
Green Infrastructure @ W. Colonial St	Petrongolo Contractors Inc.	1,229	1,229	0	829	0	0	0	829	0	67.4%	1	0.0%	0	0
Green Stormwater Infrastructure	Townscapes, Inc.	76	76	0	24	0	0	0	24	0	31.6%	0	0.0%	0	0
Health Center #5 Roof Replacement	McMullen Roofing, Inc.	1,770	1,770	0	924	0	0	0	924	0	52.2%	1	0.0%	0	0
Horticultural Center	Murphy Quigley Company, Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	C.A.D. Electric, Inc.	876	876	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Clearwater Concrete &	21	0	0	0	0	0	13	0	0	0.0%	0	0.0%	0	9

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Masonry, Inc.														
HVAC Rehabilitation @ Queen Lane	Criniti Construction	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Devine Brothers, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	GM ELECTRIC INC.	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	H.T. Lyons, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Hamada Inc.	12	12	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	J.Mann-R. Finley, Inc.	160	160	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Synergy	64	64	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Inn Yard Park	Petrongolo Contractors Inc.	72	72	0	40	0	0	0	40	0	55.6%	1	0.0%	0	0
Install Runway 9R Replacement Localizer	Ground Penetration & Restoration, Inc.	1,214	1,214	0	24	0	0	0	24	0	2.0%	0	0.0%	0	0
Install Runway 9R Replacement Localizer	Palman Electric, Inc.	1,041	1,041	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Kensington & Tacony Trail	Tristate Erosion Control, Inc.	10	5	0	5	0	0	5	5	0	100.0%	1	0.0%	0	0
Kensington & Tacony Trail	JPC Group Inc.	382	382	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Krewstown Equestrian Center Renovations @GCON	Pannulla Construction Co., Inc.	188	116	0	40	0	32	0	72	0	62.1%	1	0.0%	0	72
Mechanical Room 9 Air Handling Unit Replacement	Dolan Mechanical, Inc.	3,207	3,207	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement	Dynamic Balancing Co. Inc.	36	36	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement	Marlyn Sheet Metal, Inc.	736	736	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement - Electrical	Palman Electric, Inc.	724	724	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Milling and Prep in 1-2-3 Hwy Districts	James J. Anderson Construction Co, Inc.	11,930	5,223	1,190	3,805	0	0	367	4,995	10	95.6%	1	0.2%	0	6,340

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Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Buttonwood Company Inc.	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Central Salvage Co., Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Katzianer Construction Co. Inc.	288	288	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Kimo Tile & Marble LLC	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Phoenix Contractors Inc.	116	116	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Municipal Service Building Roof Replacement	Ramos & Associates Inc.	112	112	32	0	0	0	0	32	0	28.6%	0	0.0%	0	0
Municipal Service Building Roof Replacement	Shleig Electric Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Center for Law Enforcement	Winzinger, Inc.	3,747	3,747	511	16	0	0	0	527	0	14.1%	0	0.0%	0	0
New Center for Law Enforcement	Eagle I Electric, Inc.	169	169	0	8	0	0	0	8	0	4.7%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	Athena Contracting Inc.	689	689	144	0	0	0	0	144	0	20.9%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	Eagle I Electric, Inc.	195	195	16	0	0	0	0	16	0	8.2%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	A.P. Construction, Inc.	1,051	1,051	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	New Ferric Chloride Store Tank @ Baxter WTP	40	40	0	8	0	0	0	8	0	20.0%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	Philips Brothers Electrical Contractors Inc.	27	27	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	Stone Hill Contracting Co. Inc.	238	238	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Electrical)	Ground Penetration & Restoration, Inc.	1,246	1,246	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Electrical)	Palman Electric, Inc.	2,132	2,132	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
New Gravity Thickner Facilities @ NEWPCP (General)	Thomas P. Carney, Inc.	21,303	21,303	4,300	0	0	0	0	4,300	0	20.2%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	L & R Construction Co., Inc.	2,591	2,591	205	43	62	0	0	310	0	11.9%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	Iron Lady Enterprises, Inc.	388	345	159	73	0	0	0	232	0	67.2%	1	0.0%	0	43
New Gravity Thickner Facilities @ NEWPCP (General)	Crawford Caulking Co.	368	368	40	0	0	0	0	40	0	10.9%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	ABC Construction Co., Inc.	1,473	1,473	0	11	0	0	0	11	306	0.7%	0	20.8%	1	0
New Gravity Thickner Facilities @ NEWPCP (General)	Mulhern Electric Co., Inc.	134	70	0	0	0	0	0	0	0	0.0%	0	0.0%	0	64
New Gravity Thickner Facilities @ NEWPCP (General)	Rickborn Industrial Services & Erectors Inc.	960	960	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Plumbing)	Surety Mechanical Services, Inc.	2,351	2,351	570	0	0	0	0	570	0	24.2%	0	0.0%	0	0
New Secondary Conduit @ NEWPCP	Mena Construction, Inc.	3,262	3,262	0	3,262	0	0	0	3,262	0	100.0%	1	0.0%	0	0
New Secondary Conduit @ NEWPCP	Carusone Construction Inc.	10,810	10,810	564	1,258	0	0	0	1,822	0	16.9%	0	0.0%	0	0
New Secondary Conduit @ NEWPCP	L & R Construction Co., Inc.	2,466	2,466	127	22	20	0	0	169	0	6.8%	0	0.0%	0	0
New Secondary Conduit @ NEWPCP	C & H Industrial Services Inc.	1,708	1,531	0	0	0	0	0	0	0	0.0%	0	0.0%	0	177
North Delaware Avenue Expansion	Buckley & Company, Inc.	8,394	7,629	1,079	0	0	0	765	1,079	0	14.1%	0	0.0%	0	0
North Delaware Avenue Expansion	All Seasons Landscaping Co, Inc.	1,004	1,004	612	152	0	0	0	764	0	76.1%	1	0.0%	0	0
North Delaware Avenue Expansion	Roma Concrete	1,213	1,084	128	0	0	0	129	128	0	11.8%	0	0.0%	0	0
North Delaware Avenue Expansion	Northeast Fence & Iron Works, Inc.	886	886	0	89	0	0	0	89	0	10.1%	0	0.0%	0	0
North Delaware Avenue Expansion	L&R Construction Co., Inc.	59	59	0	6	0	0	0	6	0	10.2%	0	0.0%	0	0

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North Delaware Avenue Expansion	Nucero Electrical Construction Co., Inc.	603	603	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	A.P. Construction, Inc.	30,370	30,370	4,062	5,517	0	42	0	9,621	0	31.7%	0	0.0%	0	0
Northern Liberties Phase II & IV	Cocco Contracting Corp.	2,497	2,497	458	364	0	0	0	822	34	32.9%	1	1.4%	0	0
Northern Liberties Phase II & IV	Bayshore Rebar, Inc.	2,167	2,167	338	0	0	0	0	338	0	15.6%	0	0.0%	0	0
Northern Liberties Phase II & IV	Apex Services, Inc.	417	417	0	152	0	0	0	152	0	36.4%	1	0.0%	0	0
Northern Liberties Phase II & IV	U.S. Construction Group	80	80	16	32	0	0	0	48	0	60.0%	1	0.0%	0	0
Northern Liberties Phase II & IV	E.H. Ironwroks Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	Extech Coring & Sawing	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	L Cruz Development, LLC	592	592	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	Nucero Electrical Construction Co., Inc.	335	335	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call General Construction Requirements	Greenwich Glass LLC	184	184	0	64	0	0	0	64	0	34.8%	1	0.0%	0	0
On Call General Construction Requirements	Blasz Construction LLC	132	132	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call General Construction Requirements	George Young Mechanical, LLC	1,137	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	1,137
On Call General Construction Requirements	Hunter Roberts Construction Group	1,984	1,984	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call General Construction Requirements	Roma Steel Erection Inc.	672	672	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call Mechanical	Surety Mechanical Services, Inc.	4,510	4,510	588	0	0	0	0	588	0	13.0%	0	0.0%	0	0
On Call Mechanical	Thomas Company	849	849	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide	General Asphalt	776	776	95	2	0	0	0	97	0	12.4%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Paving Co. of Phila														
On-Call All Clients City-Wide G-Con	Brightline Construction	359	359	0	68	0	0	0	68	0	18.8%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Palman Electric, Inc.	71	71	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Russ Kelly & Associates	397	206	0	0	0	0	0	0	0	0.0%	0	0.0%	0	191
On-Call All Clients City-Wide G-Con	Schleig Electric Inc.	53	53	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call City Wide Parks & Recreation Facilities	General Asphalt Paving Co. of Phila	1,686	1,686	136	0	0	0	0	136	0	8.1%	0	0.0%	0	0
On-Call City Wide Parks & Recreation Facilities	Palman Electric, Inc.	3,931	3,931	40	0	0	0	0	40	0	1.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	Brightline Construction	2,724	2,700	485	365	0	0	0	850	24	31.5%	0	0.9%	0	24
On-Call Fire, Police, Prisons, Public Properties City Wide	Shleig Electric Inc.	313	313	104	0	0	0	0	104	0	33.1%	1	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	General Asphalt Paving Co. of Phila	136	136	8	0	0	0	0	8	0	5.9%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	B&B Lighting Protection	64	64	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	General Masonry & Restoration, Inc.	44	44	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	ISC, Inc.	54	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	54
Panati Playground	All Seasons Landscaping Co, Inc.	16	16	8	0	0	0	0	8	0	50.0%	1	0.0%	0	0
Panati Playground	Rockport Construction Co., Inc.	15	15	0	5	0	0	0	5	0	33.3%	1	0.0%	0	0
Passenger Loading Bridges Replacement (Electrical)	Mulhern Electric Co., Inc.	4,088	184	0	0	0	0	0	0	0	0.0%	0	0.0%	0	3,904
Passenger Loading Bridges Replacement (General)	CNS Construction Corp	1,077	1,077	72	0	0	0	0	72	0	6.7%	0	0.0%	0	0
Passenger Loading Bridges	Sautter Crane	166	166	19	21	0	27	0	66	0	39.8%	1	0.0%	0	0

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Replacement (General)	Rental Inc.														
Passenger Loading Bridges Replacement (General)	PBA Construction, Inc.	103	103	36	0	0	0	0	36	0	34.5%	1	0.0%	0	0
Passenger Loading Bridges Replacement (General)	AERO Bridgeworks Inc.	222	222	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	D.J. Keating Company	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	Ellioitt-Lewis Corporation	918	918	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	JSL Kelly Pile Foundation Inc.	152	152	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	Zone Striping Inc.	68	68	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Pennsylvania Ave (SR2006)	Tony DePaul & Son	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Phila. School Cross/Zone Safety- Phase 11	Miller Bros. Div of Wamploe-Miller, Inc.	1,094	1,094	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Phila. School Cross/Zone Safety- Phase 6	Miller Bros. Div of Wamploe-Miller, Inc.	319	319	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Philadelphia Traffic Operations Center(Electrical)	Carr & Duff, Inc.	1,625	395	0	395	0	0	0	395	0	100.0%	1	0.0%	0	1,230
Philadelphia Traffic Operations Center(Electrical)	Seravalli, Inc.	94	94	0	41	0	0	0	41	0	43.9%	1	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Nucero Electrical Construction Co., Inc.	4,438	4,438	899	0	0	0	0	899	0	20.2%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Venture Two Contracting, Inc.	764	764	764	0	0	0	0	764	0	100.0%	1	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Jack Pears & Associates, LLC	569	569	516	16	0	0	0	532	0	93.5%	1	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Stone Hill Contracting Co. Inc.	1,601	1,444	116	0	0	0	0	116	0	8.0%	0	0.0%	0	157
Plant Water System Rehab @ NEWPCP	Five Star, Inc.	766	766	0	12	0	0	0	12	0	1.6%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Devine Brothers, Inc.	626	626	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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Plant Water System Rehab @ NEWPCP	J.G. Nascon, Inc.	377	377	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Union Roofing Contractors, Inc.	72	72	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police HQ and 22nd Police District	Allstates Mechanical, LTD	108	108	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police HQ and 22nd Police District	Butler Balancing Co., Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Roof Replacements (Plumb)	Dolan Mechanical, Inc.	239	239	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Roof Replacements (Plumb)	Edward J. Meloney Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Nico Landscaping	246	246	87	153	0	0	0	240	0	97.6%	1	0.0%	0	0
Police Training Access Drive	Bencardino Excavating, Inc.	1,277	1,277	0	74	0	0	0	74	0	5.8%	0	0.0%	0	0
Police Training Access Drive	Colonial Tree & Lanscaping, Inc.	175	175	0	72	0	0	0	72	0	41.1%	1	0.0%	0	0
Police Training Access Drive	Traffic & Safety Signs, Inc.	91	91	1	51	0	0	0	53	3	57.7%	1	3.3%	0	0
Police Training Access Drive	Carr & Duff, Inc.	464	31	0	6	0	0	0	6	0	19.4%	0	0.0%	0	433
Police Training Access Drive	Roma Concrete	116	100	0	0	0	0	16	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Wurz Sign System LLC	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Eagle I Electric, Inc.	159	159	16	0	0	0	0	16	0	10.1%	0	0.0%	0	0
Police Training Center	PBA Construction, Inc.	26	26	6	0	0	0	0	6	0	23.1%	0	0.0%	0	0
Police Training Center	Blasz Construction LLC	176	176	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Creative Surfaces, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Devine Brothers, Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Dolan Mechanical, Inc.	37	37	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Thomas Company	13	13	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Process Air Valve System (ELEC)	Mulhern Electric Co., Inc.	10	10	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Process Air Valve System (MECH)	Five Star, Inc.	20	20	0	4	0	0	0	4	0	20.0%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Tony DePaul & Son	35,807	35,118	8,072	5,110	0	51	0	13,233	32	37.7%	1	0.1%	0	689
Realign Taxiway H/ Establish Taxiway EE	DELTA LINE CONSTRUCTION CO	22,668	18,530	3,492	225	0	795	0	4,512	0	24.3%	0	0.0%	0	4,138
Realign Taxiway H/ Establish Taxiway EE	L Cruz Development, LLC	1,888	1,888	448	1,440	0	0	0	1,888	0	100.0%	1	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Zone Striping Inc.	498	498	67	44	0	0	0	111	0	22.2%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Cocco Contracting Corp.	128	128	40	0	0	0	0	40	0	31.3%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Mattiola Services, LLC	104	104	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	WILKINSON INC	984	984	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ 10th St	Nello Construction	4,184	4,184	208	2,988	0	0	0	3,196	0	76.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ 31st	Carusone Construction Inc.	7,919	7,919	126	1,408	0	0	0	1,534	0	19.4%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ 31st	Mena Construction, Inc.	830	830	0	830	0	0	0	830	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Nello Construction	708	708	32	664	0	0	0	696	0	98.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Philip Pio Construction, Inc.	1,216	1,216	104	248	0	0	0	352	0	28.9%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Gessler Construction Co. Inc.	28	28	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Nello Construction	928	928	0	680	0	0	0	680	0	73.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Gessler Construction Co. Inc.	68	68	20	12	0	0	0	32	0	47.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Aviman Management, LLC	297	297	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Amber St	Carusone Construction Inc.	7,080	7,080	2,539	1,306	0	0	0	3,845	0	54.3%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Reconstruction of Sewers & Relays @ Amber St	Mena Construction, Inc.	1,266	1,266	690	72	0	0	0	762	0	60.2%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Nello Construction	7,640	7,640	656	5,304	0	0	0	5,960	0	78.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Gessler Construction Co. Inc.	90	82	8	10	0	0	0	18	0	22.0%	0	0.0%	0	8
Reconstruction of Sewers & Relays @ Beaumont St	Aviman Management, LLC	569	569	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Ramos & Associates Inc.	69	69	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Benezet	Miniscalco Construction, LLC	7,629	7,629	660	0	0	0	0	660	0	8.6%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Berks St	Petrongolo Contractors Inc.	7,301	7,301	244	4,504	0	78	0	4,826	0	66.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Philip Pio Construction, Inc.	8,759	8,759	184	1,719	0	0	0	1,903	0	21.7%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Ramos & Associates Inc.	2,045	2,045	599	0	0	0	0	599	54	29.3%	0	2.6%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Gessler Construction Co. Inc.	178	178	8	8	0	0	0	16	0	9.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	JPC Group Inc.	8,521	8,521	2,084	3,807	0	0	0	5,891	24	69.1%	1	0.3%	0	0
Reconstruction of Sewers & Relays @ Clearview	Vera-CCS, LLC	533	533	6	404	0	0	0	410	0	76.9%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	SJA Construction, Inc.	266	266	16	107	0	0	0	123	0	46.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Conestoga	Petrongolo Contractors Inc.	5,734	5,734	154	2,980	0	286	0	3,419	0	59.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Corlies St	Carusone Construction Inc.	1,400	1,400	40	525	0	0	0	565	0	40.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Corlies St	Mena Construction, Inc.	64	64	0	64	0	0	0	64	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Dauphin St	Petrongolo Contractors Inc.	6,080	6,080	3,001	1,529	0	0	0	4,529	0	74.5%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Franklin St	Nello Construction	3,178	3,178	35	2,749	0	0	0	2,784	0	87.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @	Petrongolo	286	286	0	150	0	0	0	150	0	52.4%	1	0.0%	0	0

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Haverford Ave	Contractors Inc.														
Reconstruction of Sewers & Relays @ Haverford Ave	Aviman Management, LLC	429	429	42	0	0	0	0	42	0	9.8%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Vera-CCS, LLC	5,912	5,912	1,839	3,740	0	0	0	5,579	0	94.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Petrongolo Contractors Inc.	9,410	9,410	2,089	2,959	0	0	0	5,048	0	53.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Aviman Management, LLC	168	168	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Napfle Ave	Petrongolo Contractors Inc.	7,004	7,004	2,855	1,447	0	0	0	4,302	0	61.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Napfle Ave	Gessler Construction Co. Inc.	87	87	4	15	0	0	0	19	0	21.8%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Norris St	Carusone Construction Inc.	6,781	6,781	3,047	166	0	0	0	3,213	0	47.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Norris St	Mena Construction, Inc.	1,450	1,450	883	13	0	0	0	896	0	61.8%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Pacific St	Carusone Construction Inc.	5,984	5,984	64	1,040	0	0	0	1,104	0	18.5%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Pacific St	Mena Construction, Inc.	366	366	0	317	0	0	0	317	0	86.5%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Race St	JPC Group Inc.	1,247	1,247	127	638	0	0	0	765	38	61.3%	1	3.0%	0	0
Reconstruction of Sewers & Relays @ Race St	Vera-CCS, LLC	529	529	142	290	0	0	0	432	0	81.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Carusone Construction Inc.	1,332	1,332	137	420	0	0	0	557	0	41.8%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Philip Pio Construction, Inc.	832	832	64	200	0	0	0	264	0	31.7%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Mena Construction, Inc.	125	125	43	82	0	0	0	125	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Nello Construction	1,536	1,536	2	1,468	0	0	0	1,470	0	95.7%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Aviman Management, LLC	225	225	32	0	0	0	0	32	0	14.2%	0	0.0%	0	0

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Reconstruction of Sewers & Relays @ S. Millick	Gessler Construction Co. Inc.	85	85	12	12	0	0	0	23	0	27.2%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Carusone Construction Inc.	9,052	9,052	276	2,513	0	0	0	2,789	0	30.8%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Mena Construction, Inc.	267	267	0	206	0	0	0	206	0	77.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Philip Pio Construction, Inc.	1,815	1,815	104	307	0	0	0	411	0	22.6%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Gessler Construction Co. Inc.	48	48	3	10	0	0	0	13	0	27.1%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	E.J. Electric, Inc.	25	25	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Carusone Construction Inc.	7,186	7,186	320	1,121	0	0	0	1,441	0	20.1%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Mena Construction, Inc.	276	276	0	43	0	0	0	43	0	15.6%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Ellsworth St	Nello Construction	984	984	11	718	0	0	0	729	0	74.1%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Carusone Construction Inc.	4,813	4,813	324	674	0	0	0	998	0	20.7%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Mena Construction, Inc.	300	300	0	284	0	0	0	284	0	94.5%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Melon St	Carusone Construction Inc.	288	288	32	182	0	0	0	214	0	74.3%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Melon St	Mena Construction, Inc.	85	85	0	85	0	0	0	85	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ 27th St	Carusone Construction Inc.	17	17	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ 54th St	Gessler Construction Co. Inc.	15	15	0	3	0	0	0	3	0	20.0%	0	0.0%	0	0
Relay of Water Mains @ 54th St	Philip Pio Construction, Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Boston St	Carusone Construction Inc.	191	191	31	32	0	0	0	63	0	32.8%	1	0.0%	0	0
Relay of Water Mains @ Calvert St	Petrongolo Contractors Inc.	120	120	40	40	0	0	0	80	0	66.7%	1	0.0%	0	0
Relay of Water Mains @ Collins	Nello	740	740	0	536	0	0	0	536	0	72.4%	1	0.0%	0	0

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	Construction														
Relay of Water Mains @ Collins	Aviman Management, LLC	164	164	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Conlyn St	Carusone Construction Inc.	2,274	2,274	16	8	0	0	0	24	0	1.1%	0	0.0%	0	0
Relay of Water Mains @ Conlyn St	Mena Construction, Inc.	117	117	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Conrad	Nello Construction	2,568	2,568	8	1,940	0	0	0	1,948	0	75.9%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Nello Construction	6,558	6,558	256	5,653	0	0	0	5,909	0	90.1%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Aviman Management, LLC	552	552	48	0	0	0	0	48	0	8.7%	0	0.0%	0	0
Relay of Water Mains @ Coral St	Ramos & Associates Inc.	91	91	42	0	0	0	0	42	8	45.9%	1	8.8%	1	0
Relay of Water Mains @ Coral St	Gessler Construction Co. Inc.	103	103	16	12	0	0	0	28	0	27.2%	0	0.0%	0	0
Relay of Water Mains @ Duval St	Mena Construction, Inc.	1,067	1,067	0	1,028	0	0	0	1,028	0	96.4%	1	0.0%	0	0
Relay of Water Mains @ Duval St	Carusone Construction Inc.	1,376	1,376	0	401	0	0	0	401	0	29.2%	0	0.0%	0	0
Relay of Water Mains @ Fanshawe ST	Philip Pio Construction, Inc.	1,230	1,230	122	261	0	0	0	382	0	31.1%	0	0.0%	0	0
Relay of Water Mains @ Ford Rd	Seravalli, Inc.	11,576	11,521	894	2,261	0	0	0	3,155	0	27.4%	0	0.0%	0	55
Relay of Water Mains @ Ford Rd	Robert Ganter Contractors Inc.	60	60	34	9	0	0	0	43	0	71.4%	1	0.0%	0	0
Relay of Water Mains @ Ford Rd	L & R Construction Co., Inc.	193	193	24	0	0	0	0	24	0	12.4%	0	0.0%	0	0
Relay of Water Mains @ Ford Rd	Carr & Duff, Inc.	169	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	169
Relay of Water Mains @ Ford Rd	Serco, Inc.	714	714	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lakeside Ave	Brightline Construction	2,993	2,993	3	98	0	0	0	101	0	3.4%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	A.P. Construction, Inc.	6,756	6,756	1,253	2,413	0	0	0	3,666	0	54.3%	1	0.0%	0	0

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Relay of Water Mains @ Lehigh Ave	Vera-CCS, LLC	1,435	1,435	347	1,088	0	0	0	1,435	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Sable Construction	628	628	628	0	0	0	0	628	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Gessler Construction Co. Inc.	115	115	0	13	0	0	0	13	0	11.3%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Athena Contracting Inc.	797	797	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Aviman Management, LLC	176	176	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Petrongolo Contractors Inc.	352	352	136	104	0	0	0	240	0	68.2%	1	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Gessler Construction Co. Inc.	100	100	8	20	0	0	0	28	0	28.0%	0	0.0%	0	0
Relay of Water Mains @ Pierce St	Petrongolo Contractors Inc.	5,616	5,616	177	2,149	0	0	0	2,326	0	41.4%	1	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Petrongolo Contractors Inc.	2,716	2,716	72	614	0	478	0	1,164	0	42.9%	1	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Gessler Construction Co. Inc.	12	12	0	2	0	0	0	2	0	16.7%	0	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Aviman Management, LLC	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Vera-CCS, LLC	2,052	2,052	426	1,447	0	0	0	1,873	0	91.3%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	A.P. Construction, Inc.	3,242	3,242	687	713	0	0	0	1,400	0	43.2%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Sable Construction	254	254	254	0	0	0	0	254	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Gessler Construction Co. Inc.	210	210	8	40	0	0	0	48	0	22.9%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Cocco Contracting Corp.	44	44	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ West Hunting Park	JPC Group Inc.	1,884	1,884	5	311	0	0	0	316	0	16.8%	0	0.0%	0	0
Replacement fo Multi-User Flight Info	E.J. Electric, Inc.	370	370	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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Display System															
Replacement of 15KV & 2.4KV Switchgear and b/u Generator @ East Oak Lane Fresh WPS	Mulhern Electric Co., Inc.	2,289	1,107	0	4	0	0	0	4	0	0.4%	0	0.0%	0	1,182
Replacement of 480V Outdoor Switchgear Aeration Tanks @ NEWPCP	Philips Brothers Electrical Contractors Inc.	447	447	0	18	0	0	0	18	0	4.0%	0	0.0%	0	0
Replacement of 480V Outdoor Switchgear Aeration Tanks @ NEWPCP	Holder Inc. t/a Donavan Electric	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Under Drains & Media @ Belmont WTP	Ross-Araco Co	264	264	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Under Drains & Media @ Belmont WTP	Venture Two Contracting, Inc.	226	226	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Sable Construction	180	180	172	0	0	0	0	172	0	95.6%	1	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	A.P. Construction, Inc.	1,968	1,968	8	0	0	0	0	8	0	0.4%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Ross-Araco Co	5,230	5,230	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Venture Two Contracting, Inc.	853	853	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Screw Pumps @ SWWPCP	Quad Construction Company	2,166	2,166	396	0	0	0	0	396	0	18.3%	0	0.0%	0	0
Replacement of Influent Screw Pumps @ SWWPCP	Philips Brothers Electrical Contractors Inc.	208	208	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Five Star, Inc.	1,503	1,503	0	80	0	0	0	80	0	5.3%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Clearwater Concrete & Masonry, Inc.	54	4	4	0	0	0	17	4	0	100.0%	1	0.0%	0	34
Replacement of Influent Valves & Actuators @ Queen Lane	Concrete Injection Specialist, Inc.	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	J.Mann-R. Finley, Inc.	341	341	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Mulhern Electric Co., Inc.	628	305	0	0	0	0	0	0	0	0.0%	0	0.0%	0	323

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Requirements Contract	Associated Specialty Contracting Inc.	1,048	1,048	176	46	96	0	0	318	0	30.3%	0	0.0%	0	0
Security Camera Group 13	Hyde Electric Corporation	38	38	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Security Camera Group 8	Hyde Electric Corporation	546	546	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Southwest Plant Chanel Aeration System	Spectraserv Inc.	441	441	16	384	0	0	0	400	0	90.7%	1	0.0%	0	0
Stephen Girard House	Kurtz Construction Co.	728	728	260	0	0	0	0	260	0	35.7%	1	0.0%	0	0
Stokely Playground	Gessler Construction Co. Inc.	234	234	40	0	0	0	0	40	0	17.1%	0	0.0%	0	0
Storm Drain Outfall @ NEWPCP	Carusone Construction Inc.	162	162	0	130	0	0	0	130	0	80.2%	1	0.0%	0	0
Storm Drain Outfall @ NEWPCP	Mena Construction, Inc.	39	39	0	39	0	0	0	39	0	100.0%	1	0.0%	0	0
Structural Work at Engine 3,69,71,101	Murphy Quigley Company, Inc.	107	107	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,76	Hyde Electric Corporation	164	164	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,81	Hyde Electric Corporation	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,86	Kaser Mechanical, LLC	154	154	85	0	0	0	0	85	0	55.4%	1	0.0%	0	0
Structural Work at Engine 3,69,71,91	Murphy Quigley Company, Inc.	177	177	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,96	Murphy Quigley Company, Inc.	1,169	1,169	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Susquehanna Ave	Petrongolo Contractors Inc.	951	951	40	385	0	0	0	425	0	44.7%	1	0.0%	0	0
Terminal A-East Roof Replacement	D.A. Nolt Inc.	7,520	7,520	890	1,963	0	0	0	2,853	0	37.9%	1	0.0%	0	0
Terminal A-East Roof Replacement	HF3 Inc.	346	346	148	198	0	0	0	346	0	100.0%	1	0.0%	0	0
Terminal A-East Roof Replacement	Gaudelli Bros. Inc.	393	393	0	0	59	0	0	59	0	15.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Armour & Sons Electric, Inc.	65	65	16	0	0	0	0	16	0	24.6%	0	0.0%	0	0
Terminal A-East Roof Replacement	Accurate	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Insulation LLC														
Terminal A-East Roof Replacement	C & H Mechanical Inc.	816	816	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Carr & Duff, Inc.	24	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	24
Terminal A-East Roof Replacement	Lighting Prevention Systems	138	138	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Oliver Fire Protection & Security	14	14	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Skylight Doctors LLC	873	873	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	TAB Systems Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal Complex Storm Water Improvements - General	A.P. Construction, Inc.	508	508	28	39	0	0	0	67	0	13.2%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Edward J. Meloney Inc.	712	712	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	J.Mann-R. Finley, Inc.	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Marlyn Sheet Metal, Inc.	1,189	1,189	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Midatlantic Construction & Design dba Midatlantic Insulation	126	126	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	American Sitework	40	40	0	8	0	0	0	8	0	20.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Clearwater Concrete & Masonry, Inc.	17	0	0	0	0	0	17	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Five Star, Inc.	3,826	3,826	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	J.Mann-R. Finley, Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Oliver Fire Protection & Security	445	445	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations	Torrado	1,559	1,559	40	1,427	0	0	0	1,467	0	94.1%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Phase 2 General	Construction														
Terminals D,E,F Restroom Rnovations Phase 2 General	PBA Construction, Inc.	746	746	244	0	0	0	0	244	0	32.7%	1	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Hamada Inc.	258	258	124	0	0	0	0	124	0	48.2%	1	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Pioneer Contracting, Inc.	79	79	0	13	0	0	0	13	0	16.5%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Thomas Company	173	173	4	0	0	0	0	4	0	2.3%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Airport Construction Services LLC	9,945	9,945	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Buttonwood Company Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Creative Surfaces, Inc.	128	128	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	D.J. Keating Company	245	245	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	E.J. Electric, Inc.	4,309	4,309	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Roman Mosaic & Tile Company	3,763	3,763	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Set-Rite Co	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	TRACORP	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Trenchless Sewer Lining @ 10th St	Petrongolo Contractors Inc.	156	156	0	36	0	0	0	36	0	23.1%	0	0.0%	0	0
West Philadelphia Library	Jack Pears & Associates, LLC	308	308	300	0	0	0	0	300	0	97.4%	1	0.0%	0	0
West Philadelphia Library	Surety Mechanical Services, Inc.	909	909	58	0	0	0	0	58	0	6.4%	0	0.0%	0	0
West Philadelphia Library	J.Mann-R. Finley, Inc.	152	152	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
West Philadelphia Library	Mulhern Electric Co., Inc.	522	56	0	0	0	0	0	0	0	0.0%	0	0.0%	0	466
Willow Grove Ave, Bridge	Loftus Construction, Inc.	6,804	6,804	1,003	0	0	0	0	1,003	0	14.7%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Willow Grove Ave, Bridge	Carusone Construction Inc.	363	363	8	73	0	0	0	81	0	22.2%	0	0.0%	0	0
Willow Grove Ave, Bridge	L&R Construction Co., Inc.	452	452	56	0	8	0	0	64	0	14.2%	0	0.0%	0	0
Willow Grove Ave, Bridge	All Seasons Landscaping Co, Inc.	40	40	16	16	0	0	0	32	0	80.0%	1	0.0%	0	0
Willow Grove Ave, Bridge	Roma Concrete	192	184	24	0	0	0	8	24	0	13.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	General Asphalt Paving Co. of Phila	302	302	0	16	0	0	0	16	0	5.3%	0	0.0%	0	0
Willow Grove Ave, Bridge	Jupiter PCC Inc.	290	290	0	16	0	0	0	16	0	5.5%	0	0.0%	0	0
Willow Grove Ave, Bridge	Carl M. Weber Steel Services, Inc.	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
Willow Grove Ave, Bridge	Zone Striping Inc.	47	47	0	7	0	0	0	7	0	14.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	ABC Construction Co., Inc.	276	276	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Charlestown Paving & Exc, Inc.	82	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	82
Willow Grove Ave, Bridge	Established Traffic Control	9	9	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	L.W. Clearing Company	1	1	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Nucero Electrical Construction Co., Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Solid Wall LLC	212	212	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Wister Playground	Brightline Construction	1,702	1,702	227	24	0	0	0	251	0	14.7%	0	0.0%	0	0
Wister Playground	All Seasons Landscaping Co, Inc.	126	126	64	0	0	0	0	64	0	50.7%	1	0.0%	0	0
Wister Playground	Hyde Electric Corporation	928	928	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Table A.11 Count and Distribution of Hours by Laborer Hours

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
2014 Citywide ADA Ramps Upgrade	Aviman Management, LLC	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Cocco Contracting Corp.	489	489	360	0	0	0	0	360	0	73.7%	1	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Gessler Construction Co. Inc.	487	487	97	88	0	0	0	185	0	38.0%	1	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Protection Services, Inc.	334	334	0	40	0	0	0	40	0	12.1%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Seravalli, Inc.	12,132	12,132	926	5,377	0	0	0	6,303	0	52.0%	1	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Zone Striping Inc.	537	537	0	138	0	0	0	138	0	25.7%	0	0.0%	0	0
2015 Milling 4th,5th,6th Highway Dist	Tony DePaul & Son	2,871	2,726	170	716	0	0	0	886	138	32.5%	1	5.0%	0	145
2015 Milling 4th,5th,6th Highway Dist	Traffic & Safety Signs, Inc.	12	12	0	6	0	0	0	6	0	50.0%	1	0.0%	0	0
2016 Stadium Area & Anti- Skid Paving & ADA Curb Ramps Upgrade (pal)	James J. Anderson Construction Co, Inc.	2,173	1,450	396	927	0	0	66	1,323	0	91.2%	1	0.0%	0	658
2016 Stadium Area & Anti- Skid Paving & ADA Curb Ramps Upgrade (pal)	Zone Striping Inc.	631	631	0	317	0	0	0	317	0	50.3%	1	0.0%	0	0
3807/Tyson Ave	Seravalli, Inc.	255	255	0	173	0	0	0	173	0	67.8%	1	0.0%	0	0
41st Street Bridge	Alliance Environemntal Systems	32	32	0	24	8	0	0	32	0	100.0%	1	0.0%	0	0
41st Street Bridge	Atlantic Concrete Cutting, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Carusone Construction Inc.	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
41st Street Bridge	DeSilvio & Co., Inc.	12	12	0	12	0	0	0	12	0	100.0%	1	0.0%	0	0
41st Street Bridge	L.W. Clearing Company	28	28	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Loftus Construction, Inc.	4,438	4,438	2,278	0	0	0	0	2,278	774	51.3%	1	17.4%	1	0
41st Street Bridge	Precision Drilling,	216	216	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Inc.														
41st Street Bridge	Protection Services, Inc.	19	19	19	0	0	0	0	19	0	100.0%	1	0.0%	0	0
41st Street Bridge	Ram-T Corporations	7	7	0	7	0	0	0	7	0	100.0%	1	0.0%	0	0
41st Street Bridge	Weber Steel Service & Associates, LLC	78	78	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4605 Market St	D.A. Nolt Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4640 Market St	Masonary Preservation Group, Inc.	1,073	1,073	1,073	0	0	0	0	1,073	0	100.0%	1	0.0%	0	0
4660 Market St	Tierra Construction Services, LLC	174	174	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4670 Market St	Donato Spaventa & Sons, Inc.	66	66	66	0	0	0	0	66	0	100.0%	1	0.0%	0	0
A.C. Schultes, Inc.	C. Abbonizio Contractors	1,982	1,982	330	435	0	0	0	765	0	38.6%	1	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Criniti Construction	61	61	61	0	0	0	0	61	0	100.0%	1	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Miniscalco Construction, LLC	1,575	1,575	162	0	0	0	0	162	0	10.3%	0	0.0%	0	0
Annual Service Contract	Carusone Construction Inc.	560	560	0	325	0	0	0	325	0	58.0%	1	0.0%	0	0
Annual Service Contract	Mena Construction, Inc.	88	88	0	88	0	0	0	88	0	100.0%	1	0.0%	0	0
Barry Playground Mechanical	Allstates Mechanical, LTD	101	101	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	C.W.Cook Geothermal	293	293	112	0	0	0	0	112	96	38.3%	1	32.6%	1	0
Barry Playground Mechanical	Pannulla Construction Co., Inc.	3,047	2,255	0	778	0	208	0	986	0	43.7%	1	0.0%	0	792
Barry Playground Mechanical	Sable Construction	336	336	128	0	0	0	0	128	0	38.1%	1	0.0%	0	0
Baxter Trail	Buckley & Company, Inc.	2,091	2,091	953	0	0	0	0	953	45	45.6%	1	2.1%	0	0
Baxter Trail	Bustleton Services, Inc.	1,546	1,546	38	862	0	0	0	900	0	58.2%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Baxter Trail	Cocco Contracting Corp.	27	27	17	0	0	0	0	17	0	61.1%	1	0.0%	0	0
Baxter Trail	Meco Construction, Inc.	378	362	0	0	0	0	0	0	0	0.0%	0	0.0%	0	16
Baxter Trail	Traffic & Safety Signs, Inc.	12	12	0	4	0	0	0	4	0	33.3%	1	0.0%	0	0
Baxter Trail	Zone Striping Inc.	10	10	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	Atlantic Lining Co. Inc.	1,889	1,889	0	6	1,687	0	0	1,693	0	89.6%	1	0.0%	0	0
Belmont Raw Water Basin	JPC Group Inc.	7,393	7,393	3,144	1,167	0	0	0	4,310	923	58.3%	1	12.5%	1	0
Belmont Stables	Pannulla Construction Co., Inc.	104	72	0	0	0	40	0	40	0	55.6%	1	0.0%	0	32
Ben Franklin Parkway Streetscape	Tony DePaul & Son	1,523	1,523	555	25	0	0	0	580	0	38.1%	1	0.0%	0	0
Benson Park	Brightline Construction	352	352	82	4	0	0	0	86	0	24.3%	0	0.0%	0	0
Benson Park	General Masonry & Restoration, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Center City NE Quadrant	Aviman Management, LLC	367	367	8	0	0	0	0	8	0	2.2%	0	0.0%	0	0
Center City NE Quadrant	Carr & Duff, Inc.	736	207	0	207	0	0	0	207	0	100.0%	1	0.0%	0	530
Center City NE Quadrant	Concrete Cutting Systems	32	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	16
Center City NE Quadrant	Guidemark Inc.	311	311	0	6	0	0	0	6	0	1.9%	0	0.0%	0	0
Center City NE Quadrant	Protection Services, Inc.	400	400	14	23	0	0	0	37	0	9.1%	0	0.0%	0	0
Center City NE Quadrant	Seravalli, Inc.	8,855	8,831	865	4,275	0	0	0	5,140	16	58.2%	1	0.2%	0	24
City Hall - Rm. 120	Milestone Construction Management, Inc.	22	22	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Electrical Requirements	Pannulla Construction Co., Inc.	8	8	0	8	0	0	0	8	0	100.0%	1	0.0%	0	0
Citywide Requirement Site Improvements	Nickles Contracting, Inc.	98	98	98	0	0	0	0	98	0	100.0%	1	0.0%	0	0
Concrete Repairs @ Queen Lane	C & T Associates Inc.	1,362	1,362	0	386	0	0	0	386	0	28.3%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Deicing Apron Pkg. 1	Delta/BJDS	50	50	0	32	0	0	0	32	0	64.0%	1	0.0%	0	0
Demolition of 8425 and 8400 Executive Avenue	Northstar Contracting Group, Inc.	6,301	6,301	1,181	1,348	424	0	0	2,953	184	46.9%	1	2.9%	0	0
Demolition of the Damaaged Garage @ 49th St Sewer Maintenance	A.P. Construction, Inc.	8	8	8	0	0	0	0	8	0	100.0%	1	0.0%	0	0
East Park Canoe House (Electrical)	Central Salvage Co., Inc.	16	16	16	0	0	0	0	16	0	100.0%	1	0.0%	0	0
East Park Canoe House (Electrical)	Murphy Quigley Company, Inc.	179	179	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	AmeriDrill, Inc.	5	5	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	B. Pietrini & Sons	208	208	55	28	0	0	0	83	0	39.9%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Bustleton Services, Inc.	308	308	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	D.J. Keating Company	344	344	317	0	0	0	0	317	0	92.3%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	JPC Group Inc.	1,221	1,221	190	21	0	0	0	211	0	17.3%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Marona Construction Company	1,919	1,919	606	0	0	0	0	606	0	31.6%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Natgun Corporation Subsidiary of DN Tanks	750	750	149	125	0	0	0	273	76	36.4%	1	10.1%	1	0
East Park Reservoir @ 33rd & Diamond	Northeast Fence & Iron Works, Inc.	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
East Schuykill River Wall	General Masonry & Restoration, Inc.	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Schuykill River Wall	Loftus Construction, Inc.	98	98	7	0	0	0	0	7	22	6.7%	0	22.6%	1	0
Electrical Substation Upgrade at Northeast Airport	J.Mann-R. Finley, Inc.	40	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	40
Electrical System Upgrades @ Torresdale Raw WPS	McCarthy Masonry	12	12	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	Minahan Construction, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Access to South Filter Bldg Basement @	Chesco Coring & Cutting, Inc.	19	19	9	0	0	0	0	9	0	48.6%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Belmont WTP															
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Smith Construction Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	A.P. Construction, Inc.	10,082	10,082	1,005	16	0	0	0	1,021	0	10.1%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	AmeriDrill, Inc.	1,821	1,821	0	0	0	0	0	0	23	0.0%	0	1.2%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Athena Contracting Inc.	694	694	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cocco Contracting Corp.	876	876	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cruz Contractors LLC	2,404	2,404	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	DeSilvio & Co., Inc.	45	45	0	45	0	0	0	45	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	L Cruz Development, LLC	536	536	0	536	0	0	0	536	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Ram-T Corporations	201	201	0	201	0	0	0	201	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Ram-T West Corporation	453	453	0	453	0	0	0	453	0	100.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Field Lighting and CCTV Installation at Fox Chase Recreation Center	Gressler Construction Co., Inc.	140	140	24	21	0	0	0	45	0	32.1%	1	0.0%	0	0
Filter to Waste Automation @ Belmont WTP	Delta/BJDS	254	254	0	223	0	0	0	223	0	87.8%	1	0.0%	0	0
Fire Alarm and Egress Lighting at Firehouses	Hyde Electric Corporation	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Frankford & Haverford Libraries	Allstates Mechanical, LTD	2	2	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	A.P. Construction, Inc.	394	394	250	88	0	0	0	338	0	85.8%	1	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Athena Contracting Inc.	508	508	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Sable Construction	200	200	104	0	0	0	0	104	0	52.0%	1	0.0%	0	0
Green Infrastructure @ 29th St	Donato Spaventa & Sons, Inc.	964	964	964	0	0	0	0	964	0	100.0%	1	0.0%	0	0
Green Infrastructure @ 29th St	Roberson Construction, INC.	18	18	18	0	0	0	0	18	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Clearview Community Park	Seravalli, Inc.	409	409	16	175	0	0	0	191	0	46.6%	1	0.0%	0	0
Green Infrastructure @ Frankford Ave	Seravalli, Inc.	6,052	6,035	326	2,180	0	0	0	2,506	0	41.5%	1	0.0%	0	17
Green Infrastructure @ Medary St	Philip Pio Construction, Inc.	1,136	1,136	8	465	0	0	0	473	0	41.6%	1	0.0%	0	0
Green Infrastructure @ Ontario St	Petrongolo Contractors Inc.	1,400	1,400	995	405	0	0	0	1,400	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Carr & Duff, Inc.	56	28	0	28	0	0	0	28	0	100.0%	1	0.0%	0	28
Green Infrastructure @ Seybert St	Donato Spaventa & Sons, Inc.	1,624	1,624	927	0	0	0	0	927	0	57.1%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Nova Crete, Inc.	72	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	72
Green Infrastructure @ Seybert St	Roberson Construction, INC.	16	16	16	0	0	0	0	16	0	100.0%	1	0.0%	0	0
Green Infrastructure @ W. Colonial St	Petrongolo Contractors Inc.	1,229	1,229	0	829	0	0	0	829	0	67.4%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Horticultural Center	Murphy Quigley Company, Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Clearwater Concrete & Masonry, Inc.	9	0	0	0	0	0	9	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Criniti Construction	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Inn Yard Park	Petrongolo Contractors Inc.	40	40	0	40	0	0	0	40	0	100.0%	1	0.0%	0	0
Install Runway 9R Replacement Localizer	Ground Penetration & Restoration, Inc.	376	376	0	24	0	0	0	24	0	6.4%	0	0.0%	0	0
Kensington & Tacony Trail	JPC Group Inc.	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Kensington & Tacony Trail	Tristate Erosion Control, Inc.	10	5	0	5	0	0	5	5	0	100.0%	1	0.0%	0	0
Krewstown Equestrian Center Renovations @GCON	Pannulla Construction Co., Inc.	168	96	0	40	0	32	0	72	0	75.0%	1	0.0%	0	72
Milling and Prep in 1-2-3 Hwy Districts	James J. Anderson Construction Co, Inc.	9,911	5,223	1,190	3,805	0	0	367	4,995	0	95.6%	1	0.0%	0	4,321
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Central Salvage Co., Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Municipal Service Building Roof Replacement	Ramos & Associates Inc.	72	72	32	0	0	0	0	32	0	44.4%	1	0.0%	0	0
New Center for Law Enforcement	Winzinger, Inc.	1,034	1,034	456	16	0	0	0	472	0	45.6%	1	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	A.P. Construction, Inc.	409	409	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	Athena Contracting Inc.	545	545	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	New Ferric Chloride Store Tank @ Baxter WTP	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	Stone Hill Contracting Co. Inc.	232	232	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Electrical)	Ground Penetration & Restoration, Inc.	530	530	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP	ABC Construction Co., Inc.	594	594	0	11	0	0	0	11	306	1.8%	0	51.6%	1	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
(General)															
New Gravity Thickner Facilities @ NEWPCP (General)	Thomas P. Carney, Inc.	8,580	8,580	3,646	0	0	0	0	3,646	0	42.5%	1	0.0%	0	0
New Secondary Conduit @ NEWPCP	Carusone Construction Inc.	1,854	1,854	564	1,250	0	0	0	1,814	0	97.8%	1	0.0%	0	0
New Secondary Conduit @ NEWPCP	Mena Construction, Inc.	3,262	3,262	0	3,262	0	0	0	3,262	0	100.0%	1	0.0%	0	0
North Delaware Avenue Expansion	All Seasons Landscaping Co, Inc.	828	828	612	80	0	0	0	692	0	83.6%	1	0.0%	0	0
North Delaware Avenue Expansion	Buckley & Company, Inc.	3,135	2,370	130	0	0	0	765	130	0	5.5%	0	0.0%	0	0
North Delaware Avenue Expansion	Northeast Fence & Iron Works, Inc.	641	641	0	89	0	0	0	89	0	13.9%	0	0.0%	0	0
North Delaware Avenue Expansion	Roma Concrete	426	426	72	0	0	0	0	72	0	16.9%	0	0.0%	0	0
Northern Liberties Phase II & IV	A.P. Construction, Inc.	9,675	9,675	2,140	4,309	0	0	0	6,449	0	66.7%	1	0.0%	0	0
Northern Liberties Phase II & IV	Apex Services, Inc.	265	265	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	Cocco Contracting Corp.	664	664	243	0	0	0	0	243	0	36.5%	1	0.0%	0	0
Northern Liberties Phase II & IV	Extech Coring & Sawing	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	U.S. Construction Group	64	64	16	32	0	0	0	48	0	75.0%	1	0.0%	0	0
On-Call All Clients City-Wide	General Asphalt Paving Co. of Phila	33	33	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Brightline Construction	175	175	0	68	0	0	0	68	0	38.6%	1	0.0%	0	0
On-Call City Wide Parks & Recreation Facilities	General Asphalt Paving Co. of Phila	22	22	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	Brightline Construction	1,025	1,001	313	365	0	0	0	678	24	67.7%	1	2.4%	0	24
On-Call Fire, Police, Prisons, Public Properties City Wide	General Masonry & Restoration, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	ISC, Inc.	23	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	23

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Panati Playground	Rockport Construction Co., Inc.	5	5	0	5	0	0	0	5	0	100.0%	1	0.0%	0	0
Passenger Loading Bridges Replacement (General)	CNS Construction Corp	80	80	64	0	0	0	0	64	0	80.0%	1	0.0%	0	0
Passenger Loading Bridges Replacement (General)	Zone Striping Inc.	68	68	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Pennsylvania Ave (SR2006)	Tony DePaul & Son	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Phila. School Cross/Zone Safety-Phase 6	Miller Bros. Div of Wamploe-Miller, Inc.	319	319	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Philadelphia Traffic Operations Center(Electrical)	Seravalli, Inc.	58	58	0	41	0	0	0	41	0	70.7%	1	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Five Star, Inc.	26	26	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	J.G. Nascon, Inc.	377	377	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Jack Pears & Associates, LLC	569	569	516	16	0	0	0	532	0	93.5%	1	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Stone Hill Contracting Co. Inc.	429	300	116	0	0	0	0	116	0	38.7%	1	0.0%	0	129
Police Training Access Drive	Bencardino Excavating, Inc.	462	462	0	74	0	0	0	74	0	16.0%	0	0.0%	0	0
Police Training Access Drive	Carr & Duff, Inc.	71	6	0	6	0	0	0	6	0	100.0%	1	0.0%	0	65
Police Training Access Drive	Roma Concrete	27	19	0	0	0	0	8	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Traffic & Safety Signs, Inc.	73	73	1	51	0	0	0	53	3	71.9%	1	4.1%	0	0
Police Training Access Drive	Wurz Sign System LLC	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Blasz Construction LLC	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Cocco Contracting Corp.	40	40	32	0	0	0	0	32	0	80.0%	1	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	DELTA LINE CONSTRUCTION CO	8,546	8,259	3,235	0	0	0	0	3,235	0	39.2%	1	0.0%	0	288
Realign Taxiway H/ Establish Taxiway EE	Mattiola Services, LLC	104	104	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Tony DePaul & Son	15,285	14,635	4,727	1,674	0	51	0	6,452	32	44.1%	1	0.2%	0	651

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Realign Taxiway H/ Establish Taxiway EE	Zone Striping Inc.	498	498	67	44	0	0	0	111	0	22.2%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ 10th St	Nello Construction	2,584	2,584	0	2,236	0	0	0	2,236	0	86.5%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ 31st	Carusone Construction Inc.	4,247	4,247	126	1,055	0	0	0	1,181	0	27.8%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ 31st	Mena Construction, Inc.	830	830	0	830	0	0	0	830	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Gessler Construction Co. Inc.	14	14	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Nello Construction	268	268	0	256	0	0	0	256	0	95.5%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Philip Pio Construction, Inc.	832	832	104	248	0	0	0	352	0	42.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Aviman Management, LLC	82	82	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Gessler Construction Co. Inc.	48	48	12	12	0	0	0	24	0	50.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Nello Construction	620	620	0	372	0	0	0	372	0	60.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Amber St	Carusone Construction Inc.	4,714	4,714	2,539	560	0	0	0	3,098	0	65.7%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Amber St	Mena Construction, Inc.	762	762	690	72	0	0	0	762	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Aviman Management, LLC	146	146	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Gessler Construction Co. Inc.	47	47	8	5	0	0	0	13	0	27.7%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Nello Construction	4,520	4,520	0	4,088	0	0	0	4,088	0	90.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Ramos & Associates Inc.	35	35	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Benezet	Miniscalco Construction, LLC	5,742	5,742	354	0	0	0	0	354	0	6.2%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Berks St	Petrongolo Contractors Inc.	5,043	5,043	64	4,504	0	78	0	4,646	0	92.1%	1	0.0%	0	0
Reconstruction of Sewers &	Gessler	124	124	8	8	0	0	0	16	0	12.9%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relays @ Carlisle	Construction Co.														
Reconstruction of Sewers & Relays @ Carlisle	Philip Pio Construction, Inc.	5,698	5,698	184	1,719	0	0	0	1,903	0	33.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Ramos & Associates Inc.	921	921	503	0	0	0	0	503	0	54.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	JPC Group Inc.	5,359	5,359	1,072	2,516	0	0	0	3,588	0	67.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	SJA Construction, Inc.	202	202	16	107	0	0	0	123	0	60.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	Vera-CCS, LLC	286	286	0	280	0	0	0	280	0	97.9%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Conestoga	Petrongolo Contractors Inc.	4,524	4,524	154	2,980	0	286	0	3,419	0	75.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Corlies St	Carusone Construction Inc.	565	565	40	525	0	0	0	565	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Corlies St	Mena Construction, Inc.	64	64	0	64	0	0	0	64	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Dauphin St	Petrongolo Contractors Inc.	3,575	3,575	2,046	1,529	0	0	0	3,575	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Franklin St	Nello Construction	1,825	1,825	0	1,431	0	0	0	1,431	0	78.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Haverford Ave	Aviman Management, LLC	121	121	17	0	0	0	0	17	0	14.1%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Haverford Ave	Petrongolo Contractors Inc.	286	286	0	150	0	0	0	150	0	52.4%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Aviman Management, LLC	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Petrongolo Contractors Inc.	6,229	6,229	1,732	2,959	0	0	0	4,691	0	75.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Vera-CCS, LLC	4,005	4,005	932	2,860	0	0	0	3,792	0	94.7%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Napfle Ave	Gessler Construction Co. Inc.	53	53	0	15	0	0	0	15	0	28.3%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Napfle Ave	Petrongolo Contractors Inc.	4,342	4,342	2,855	1,447	0	0	0	4,302	0	99.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Norris St	Carusone Construction Inc.	4,838	4,838	3,047	158	0	0	0	3,205	0	66.2%	1	0.0%	0	0
Reconstruction of Sewers &	Mena Construction,	896	896	883	13	0	0	0	896	0	100.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relays @ Norris St	Inc.														
Reconstruction of Sewers & Relays @ Pacific St	Carusone Construction Inc.	4,532	4,532	64	1,020	0	0	0	1,084	0	23.9%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Pacific St	Mena Construction, Inc.	317	317	0	317	0	0	0	317	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Race St	JPC Group Inc.	743	743	25	534	0	0	0	558	0	75.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Race St	Vera-CCS, LLC	335	335	93	242	0	0	0	335	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Carusone Construction Inc.	1,053	1,053	137	385	0	0	0	522	0	49.5%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Mena Construction, Inc.	125	125	43	82	0	0	0	125	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Philip Pio Construction, Inc.	552	552	64	200	0	0	0	264	0	47.8%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Aviman Management, LLC	89	89	16	0	0	0	0	16	0	18.1%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Gessler Construction Co. Inc.	66	66	12	12	0	0	0	23	0	35.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Nello Construction	988	988	0	922	0	0	0	922	0	93.3%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Carusone Construction Inc.	6,689	6,689	276	2,452	0	0	0	2,728	0	40.8%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Mena Construction, Inc.	206	206	0	206	0	0	0	206	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Gessler Construction Co. Inc.	27	27	3	10	0	0	0	13	0	48.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Philip Pio Construction, Inc.	1,203	1,203	104	307	0	0	0	411	0	34.1%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Carusone Construction Inc.	3,966	3,966	320	560	0	0	0	880	0	22.2%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Mena Construction, Inc.	43	43	0	43	0	0	0	43	0	100.0%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Ellsworth St	Nello Construction	582	582	0	327	0	0	0	327	0	56.2%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Carusone Construction Inc.	3,007	3,007	324	622	0	0	0	946	0	31.4%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Mena Construction, Inc.	284	284	0	284	0	0	0	284	0	100.0%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Melon St	Carusone Construction Inc.	214	214	32	182	0	0	0	214	0	100.0%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Melon St	Mena Construction, Inc.	85	85	0	85	0	0	0	85	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ 54th St	Gessler Construction Co. Inc.	9	9	0	3	0	0	0	3	0	33.3%	1	0.0%	0	0
Relay of Water Mains @ 54th St	Philip Pio Construction, Inc.	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Boston St	Carusone Construction Inc.	95	95	31	32	0	0	0	63	0	66.1%	1	0.0%	0	0
Relay of Water Mains @ Calvert St	Petrongolo Contractors Inc.	80	80	40	40	0	0	0	80	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Collins	Aviman Management, LLC	67	67	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Collins	Nello Construction	424	424	0	220	0	0	0	220	0	51.9%	1	0.0%	0	0
Relay of Water Mains @ Conlyn St	Carusone Construction Inc.	1,811	1,811	16	8	0	0	0	24	0	1.3%	0	0.0%	0	0
Relay of Water Mains @ Conrad	Nello Construction	1,376	1,376	0	764	0	0	0	764	0	55.5%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Aviman Management, LLC	157	157	24	0	0	0	0	24	0	15.3%	0	0.0%	0	0
Relay of Water Mains @ Coral St	Gessler Construction Co. Inc.	77	77	16	12	0	0	0	28	0	36.4%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Nello Construction	3,829	3,829	0	3,188	0	0	0	3,188	0	83.3%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Ramos & Associates Inc.	45	45	34	0	0	0	0	34	0	74.4%	1	0.0%	0	0
Relay of Water Mains @ Duval St	Carusone Construction Inc.	507	507	0	401	0	0	0	401	0	79.1%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relay of Water Mains @ Duval St	Mena Construction, Inc.	1,028	1,028	0	1,028	0	0	0	1,028	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Fanshawe ST	Philip Pio Construction, Inc.	811	811	122	261	0	0	0	382	0	47.1%	1	0.0%	0	0
Relay of Water Mains @ Ford Rd	Seravalli, Inc.	5,695	5,640	297	1,994	0	0	0	2,291	0	40.6%	1	0.0%	0	55
Relay of Water Mains @ Lakeside Ave	Brightline Construction	1,592	1,592	3	98	0	0	0	101	0	6.3%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	A.P. Construction, Inc.	2,771	2,771	99	2,412	0	0	0	2,511	0	90.6%	1	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Athena Contracting Inc.	797	797	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Aviman Management, LLC	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Gessler Construction Co. Inc.	73	73	0	13	0	0	0	13	0	17.8%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Sable Construction	628	628	628	0	0	0	0	628	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Vera-CCS, LLC	824	824	154	670	0	0	0	824	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Gessler Construction Co. Inc.	64	64	0	20	0	0	0	20	0	31.3%	0	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Petrongolo Contractors Inc.	208	208	104	104	0	0	0	208	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Pierce St	Petrongolo Contractors Inc.	3,361	3,361	40	2,149	0	0	0	2,189	0	65.1%	1	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Aviman Management, LLC	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Gessler Construction Co. Inc.	8	8	0	2	0	0	0	2	0	25.0%	0	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Petrongolo Contractors Inc.	1,356	1,356	0	614	0	478	0	1,092	0	80.6%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	A.P. Construction, Inc.	1,739	1,739	294	713	0	0	0	1,007	0	57.9%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Cocco Contracting Corp.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @	Gessler	142	142	8	40	0	0	0	48	0	33.8%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Stenton Ave	Construction Co.														
Relay of Water Mains @ Stenton Ave	Sable Construction	254	254	254	0	0	0	0	254	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Vera-CCS, LLC	1,197	1,197	11	1,067	0	0	0	1,077	0	90.0%	1	0.0%	0	0
Relay of Water Mains @ West Hunting Park	JPC Group Inc.	1,408	1,408	0	308	0	0	0	308	0	21.9%	0	0.0%	0	0
Replacement of Filter Under Drains & Media @ Belmont WTP	Ross-Araco Co	264	264	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Under Drains & Media @ Belmont WTP	Venture Two Contracting, Inc.	226	226	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	A.P. Construction, Inc.	1,952	1,952	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Ross-Araco Co	5,230	5,230	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Sable Construction	180	180	172	0	0	0	0	172	0	95.6%	1	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	Venture Two Contracting, Inc.	853	853	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Screw Pumps @ SWWPCP	Quad Construction Company	1,802	1,802	391	0	0	0	0	391	0	21.7%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Clearwater Concrete & Masonry, Inc.	13	0	0	0	0	0	13	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Concrete Injection Specialist, Inc.	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Five Star, Inc.	205	205	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Requirements Contract	Associated Specialty Contracting Inc.	174	174	0	46	96	0	0	142	0	81.6%	1	0.0%	0	0
Security Camera Group 13	Hyde Electric Corporation	38	38	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Southwest Plant Chanel Aeration System	Spectraserv Inc.	352	352	12	299	0	0	0	311	0	88.4%	1	0.0%	0	0
Stokely Playground	Gessler	148	148	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Construction Co.														
Storm Drain Outfall @ NEWPCP	Carusone Construction Inc.	130	130	0	130	0	0	0	130	0	100.0%	1	0.0%	0	0
Storm Drain Outfall @ NEWPCP	Mena Construction, Inc.	39	39	0	39	0	0	0	39	0	100.0%	1	0.0%	0	0
Structural Work at Engine 3,69,71,101	Murphy Quigley Company, Inc.	107	107	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,81	Hyde Electric Corporation	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Susquehanna Ave	Petrongolo Contractors Inc.	678	678	0	385	0	0	0	385	0	56.8%	1	0.0%	0	0
Terminal A-East Roof Replacement	C & H Mechanical Inc.	797	797	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	D.A. Nolt Inc.	925	925	16	8	0	0	0	24	0	2.6%	0	0.0%	0	0
Terminal A-East Roof Replacement	Gaudelli Bros. Inc.	9	9	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	HF3 Inc.	246	246	148	98	0	0	0	246	0	100.0%	1	0.0%	0	0
Terminal Complex Storm Water Improvements - General	A.P. Construction, Inc.	272	272	0	21	0	0	0	21	0	7.6%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	American Sitework	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Clearwater Concrete & Masonry, Inc.	8	0	0	0	0	0	8	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Five Star, Inc.	476	476	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	D.J. Keating Company	197	197	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Torrado Construction	1,092	1,092	40	996	0	0	0	1,036	0	94.9%	1	0.0%	0	0
Trenchless Sewer Lining @ 10th St	Petrongolo Contractors Inc.	116	116	0	36	0	0	0	36	0	31.0%	0	0.0%	0	0
West Philadelphia Library	Jack Pears & Associates, LLC	308	308	300	0	0	0	0	300	0	97.4%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Willow Grove Ave, Bridge	All Seasons Landscaping Co, Inc.	40	40	16	16	0	0	0	32	0	80.0%	1	0.0%	0	0
Willow Grove Ave, Bridge	Carusone Construction Inc.	188	188	8	73	0	0	0	81	0	42.9%	1	0.0%	0	0
Willow Grove Ave, Bridge	Charlestown Paving & Exc, Inc.	56	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	56
Willow Grove Ave, Bridge	Established Traffic Control	9	9	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	General Asphalt Paving Co. of Phila	210	210	0	16	0	0	0	16	0	7.6%	0	0.0%	0	0
Willow Grove Ave, Bridge	Loftus Construction, Inc.	1,112	1,112	1,003	0	0	0	0	1,003	0	90.2%	1	0.0%	0	0
Willow Grove Ave, Bridge	Roma Concrete	54	54	8	0	0	0	0	8	0	14.8%	0	0.0%	0	0
Willow Grove Ave, Bridge	Solid Wall LLC	106	106	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Zone Striping Inc.	47	47	0	7	0	0	0	7	0	14.0%	0	0.0%	0	0
Wister Playground	Brightline Construction	784	784	76	24	0	0	0	100	0	12.8%	0	0.0%	0	0
Wister Playground	Hyde Electric Corporation	428	428	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Table A.12 Count and Distribution of Hours by Skilled Hours

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
2014 Citywide ADA Ramps Upgrade	Aviman Management, LLC	312	288	0	0	0	0	0	0	0	0.0%	0	0.0%	0	24
2014 Citywide ADA Ramps Upgrade	Cocco Contracting Corp.	3,102	3,102	438	101	0	0	0	538	14	17.3%	0	0.4%	0	0
2014 Citywide ADA Ramps Upgrade	Gessler Construction Co. Inc.	158	158	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
2014 Citywide ADA Ramps Upgrade	Seravalli, Inc.	8,550	8,550	903	392	0	0	0	1,294	0	15.1%	0	0.0%	0	0
2015 Milling 4th,5th,6th Highway Dist	Tony DePaul & Son	1,455	1,455	0	460	0	0	0	460	0	31.6%	0	0.0%	0	0
2015 Milling 4th,5th,6th Highway Dist	Traffic & Safety Signs, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
2016 Citywide Tack Coat	James J. Anderson Construction Co, Inc.	93	0	0	0	0	0	0	0	0	0.0%		0.0%		93
2016 Citywide Tack Coat	SJA Construction, Inc.	92	92	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
2016 Stadium Area & Anti-Skid Paving & ADA Curb Ramps Upgrade (pal)	James J. Anderson Construction Co, Inc.	662	117	0	0	0	0	0	0	0	0.0%	0	0.0%	0	545
3807/Tyson Ave	Carr & Duff, Inc.	62	0	0	0	0	0	0	0	0	0.0%	0	0.0%		62
3807/Tyson Ave	Seravalli, Inc.	318	318	90	80	0	0	0	170	0	53.3%	1	0.0%	0	0
41st Street Bridge	ABC Construction Co., Inc.	901	901	8	0	0	0	0	8	0	0.9%	0	0.0%	0	0
41st Street Bridge	BillyBoy Contracting LLC	140	140	140	0	0	0	0	140	0	100.0%	1	0.0%	0	0
41st Street Bridge	Bridg-It Fabrications, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Carr & Duff, Inc.	56	0	0	0	0	0	0	0	0	0.0%		0.0%		56
41st Street Bridge	DeSilvio & Co., Inc.	20	20	0	0	0	0	0	0	8	0.0%	0	40.0%	1	0
41st Street Bridge	L.W. Clearing Company	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
41st Street Bridge	LB Construction Enterprises, Inc.	1,072	1,072	267	253	0	0	0	519	0	48.4%	1	0.0%	0	0
41st Street Bridge	Loftus Construction, Inc.	13,374	13,374	601	0	0	0	0	601	1,056	4.5%	0	7.9%	1	0
41st Street Bridge	Precision Drilling, Inc.	479	479	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
41st Street Bridge	Weber Steel Service & Associates, LLC	196	196	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4610 Market St	D.A. Nolt Inc.	4,678	4,678	243	817	235	0	0	1,295	0	27.7%	0	0.0%	0	0
4615 Market St	Delaware Valley Crane Rental, Inc.	394	394	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4620 Market St	Eagle I Electric, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
4625 Market St	Graboyes Commercial Window Co.	1,059	1,059	217	0	0	0	0	217	217	20.5%	0	20.5%	1	0
4630 Market St	Graboyes Commercial Window Co.	927	927	328	225	0	0	0	553	0	59.7%	1	0.0%	0	0
4635 Market St	Masonary Preservation Group, Inc.	1,537	1,537	467	0	0	0	0	467	0	30.4%	0	0.0%	0	0
4645 Market St	Masonary Preservation Group, Inc.	3,798	3,798	589	0	0	0	0	589	0	15.5%	0	0.0%	0	0
4650 Market St	Masonary Preservation Group, Inc.	444	444	30	0	0	0	0	30	0	6.8%	0	0.0%	0	0
4655 Market St	Tierra Construction Services, LLC	159	159	159	0	0	0	0	159	0	100.0%	1	0.0%	0	0
4665 Market St	Donato Spaventa & Sons, Inc.	66	66	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
A.C. Schultes, Inc.	A.C. Schultes, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
A.C. Schultes, Inc.	Abbonizio Transfer	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
A.C. Schultes, Inc.	C. Abbonizio Contractors	1,023	1,023	0	0	0	0	0	0	297	0.0%	0	29.0%	1	0
A.C. Schultes, Inc.	QW Trucking LLC	640	19	19	0	0	0	0	19	19	100.0%	1	100.0%	1	621
A.C. Schultes, Inc.	Ram-T Corporations	36	36	0	36	0	0	0	36	0	100.0%	1	0.0%	0	0
A.C. Schultes, Inc.	Thesing Power Sweeping, Inc.	98	97	89	0	0	0	0	89	0	92.1%	1	0.0%	0	2
Access Control System (ACS) Upgrade Phase 7	E.J. Electric, Inc.	1,508	1,508	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Access Control System Upgrade Phase 11	Armour & Sons Electric, Inc.	689	689	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Access Control System Upgrade Phase 6	Armour & Sons Electric, Inc.	4,145	4,145	736	0	0	0	0	736	0	17.8%	0	0.0%	0	0
Access Control System Upgrase Phase 5	E.J. Electric, Inc.	1,898	1,898	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Criniti Construction	248	248	41	0	0	0	0	41	0	16.4%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	DeSilvio & Co., Inc.	159	159	0	64	0	0	0	64	20	40.3%	1	12.3%	1	0
Ammonia System Improvements @ Baxter WTP	Hamada Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	J.Mann-R. Finley, Inc.	104	104	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Miniscalco Construction, LLC	1,048	1,048	76	0	0	0	0	76	0	7.3%	0	0.0%	0	0
Ammonia System Improvements @ Baxter WTP	Sioutis Coating Enterprise, Inc.	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Annual Service Contract	Carusone Construction Inc.	466	466	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Allstates Mechanical, LTD	154	154	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Bradley- Sciocchetti, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	C.W.Cook Geothermal	69	69	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Dominic Garafolo Mechanical, Inc.	255	255	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Mulhern Electric Co., Inc.	817	729	0	0	0	0	0	0	0	0.0%	0	0.0%	0	88

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Barry Playground Mechanical	Pannulla Construction Co., Inc.	550	550	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Precision Air Designs, Inc.	205	205	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Barry Playground Mechanical	Winderco, Inc.	160	160	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Buckley & Company, Inc.	5,097	5,097	394	0	0	0	0	394	8	7.7%	0	0.2%	0	0
Baxter Trail	Bustleton Services, Inc.	302	302	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Cocco Contracting Corp.	100	100	28	0	0	0	0	28	0	28.0%	0	0.0%	0	0
Baxter Trail	L&R Construction Co., Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Meco Construction, Inc.	706	658	0	0	0	0	0	0	0	0.0%	0	0.0%	0	48
Baxter Trail	Meco Trucking, Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Baxter Trail	Thomas Lindstrom & Co., Inc.	130	130	11	0	0	0	0	11	0	8.5%	0	0.0%	0	0
Belmont Raw Water Basin	Ashgroups, Inc.	776	776	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	JPC Group Inc.	12,210	12,210	2,142	203	0	0	0	2,345	271	19.2%	0	2.2%	0	0
Belmont Raw Water Basin	Mega Construction Company	339	339	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Raw Water Basin	Quincy Contractors Inc.	304	304	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Belmont Stables	Pannulla Construction Co., Inc.	70	70	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Ben Franklin Parkway Streetscape	Tony DePaul & Son	1,297	1,297	0	125	0	0	0	125	0	9.7%	0	0.0%	0	0
Benson Park	Brightline Construction	309	309	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Benson Park	General Masonry & Restoration, Inc.	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Cecil B. Moore Branch Library	Union Roofing Contractors, Inc.	668	668	42	0	0	0	0	42	0	6.3%	0	0.0%	0	0
Center City NE Quadrant	ABC Construction Co., Inc.	646	646	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Center City NE Quadrant	Aviman Management, LLC	1,067	1,059	8	0	0	0	0	8	0	0.8%	0	0.0%	0	8
Center City NE Quadrant	Carr & Duff, Inc.	12,455	343	122	221	0	0	0	343	938	100.0%	1	273.9%	1	12,113
Center City NE Quadrant	Seravalli, Inc.	9,829	9,829	2,071	1,287	0	186	0	3,544	0	36.1%	1	0.0%	0	0
Center City NE Quadrant	Serco, Inc.	167	167	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Center City NE Quadrant	Structured Cable Solutions, Inc.	2,502	2,502	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
City Hall - Rm. 115	Milestone Construction Management, Inc.	30	30	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Electrical Requirements	Mulhern Electric Co., Inc.	1,082	367	0	0	0	0	0	0	16	0.0%	0	4.4%	0	715
Citywide Electrical Requirements	Pannulla Construction Co., Inc.	36	36	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Library, Health Services	Arline Construction Services	1,200	1,200	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Library, Health Services	General Asphalt Paving Co. of Phila	192	192	16	4	0	0	0	20	0	10.4%	0	0.0%	0	0
Citywide Requirement Site Improvements	Donato Spaventa & Sons, Inc.	11	11	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Citywide Requirement Site Improvements	Joe Fisher & Sons Roofing	248	248	0	80	0	0	0	80	0	32.3%	1	0.0%	0	0
Citywide Requirement Site Improvements	Nickles Contracting, Inc.	383	383	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Concrete Repairs @ Queen Lane	C & T Associates Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Concrete Repairs @ Queen Lane	Gouldey Welding & Fabrications, Inc.	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Concrete Repairs @ Queen Lane	Tri-State Painting & Wallcovering	632	632	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Inc.														
Demolition of 8425 and 8400 Executive Avenue	Northstar Contracting Group, Inc.	3,186	3,186	621	0	0	0	0	621	0	19.5%	0	0.0%	0	0
Demolition of the Damaaged Garage @ 49th St Sewer Maintenance	A.P. Construction, Inc.	16	16	0	16	0	0	0	16	0	100.0%	1	0.0%	0	0
East Park Canoe House (Electrical)	B&B Lighting Protection	47	47	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Electrical)	Coles Mill Construction Co., Inc.	9,219	4,151	0	0	0	0	0	0	0	0.0%	0	0.0%	0	5,068
East Park Canoe House (Electrical)	Mulhern Electric Co., Inc.	2,068	1,287	0	0	0	0	0	0	0	0.0%	0	0.0%	0	781
East Park Canoe House (Electrical)	Murphy Quigley Company, Inc.	2,128	2,128	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Electrical)	PBA Construction, Inc.	140	140	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Canoe House (Plumbing)	Dolan Mechanical, Inc.	1,375	1,375	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	AmeriDrill, Inc.	5	5	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	B. Pietrini & Sons	227	227	26	0	0	0	0	26	0	11.3%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Bustleton Services, Inc.	418	418	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	D.J. Keating Company	1,234	1,234	296	0	0	0	0	296	141	23.9%	0	11.4%	1	0
East Park Reservoir @ 33rd & Diamond	Eagle I Electric, Inc.	206	206	8	0	0	0	0	8	0	3.9%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	JPC Group Inc.	5,208	5,208	554	0	564	0	0	1,117	0	21.4%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	LB Construction Enterprises, Inc.	1,381	1,381	173	544	0	0	0	717	0	51.9%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Maxim Crane	142	142	54	0	0	0	0	54	0	37.8%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Natgun Corporation Subsidiary of DN Tanks	1,356	1,328	264	311	0	0	28	574	0	43.2%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
East Park Reservoir @ 33rd & Diamond	Northeast Fence & Iron Works, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Nucero Electrical Construction Co., Inc.	245	245	5	0	0	0	0	5	0	1.8%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Reilly Sweeping Inc.	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Tierra Construction Services, LLC	160	160	160	0	0	0	0	160	0	100.0%	1	0.0%	0	0
East Park Reservoir @ 33rd & Diamond	Tristate Erosion Control, Inc.	234	162	0	56	0	0	72	56	0	34.6%	1	0.0%	0	0
East Schuykill River Wall	Bustleton Services, Inc.	129	129	0	94	0	0	0	94	0	72.5%	1	0.0%	0	0
East Schuykill River Wall	General Masonry & Restoration, Inc.	72	72	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
East Schuykill River Wall	Loftus Construction, Inc.	244	244	0	0	0	0	0	0	25	0.0%	0	10.2%	1	0
Electrical Substation Upgrade at Northeast Airport	Clearwater Concrete & Masonry, Inc.	8	8	8	0	0	0	0	8	0	100.0%	1	0.0%	0	0
Electrical Substation Upgrade at Northeast Airport	J.Mann-R. Finley, Inc.	99	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	59
Electrical Substation Upgrade at Northeast Airport	Philips Brothers Electrical Contractors Inc.	873	873	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	McCarthy Masonry	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	Minahan Construction, Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Electrical System Upgrades @ Torresdale Raw WPS	Philips Brothers Electrical Contractors Inc.	223	223	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Quinco Contracting & Maintenance, Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency Access to South Filter Bldg Basement @ Belmont WTP	Smith Construction Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Emergency	Philips Brothers	773	773	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Generators(G1,G2,FLV3)Rehabilitation and Electrical Upgrades	Electrical Contractors Inc.														
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	A.P. Construction, Inc.	15,967	15,967	129	825	0	1,556	0	2,510	0	15.7%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Allstate Power Vac	7	7	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	AmeriDrill, Inc.	474	474	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Athena Contracting Inc.	548	548	548	0	0	0	0	548	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	BillyBoy Contracting LLC	3,298	3,298	3,298	0	0	0	0	3,298	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Carr & Duff, Inc.	3,501	58	0	0	0	0	0	0	0	0.0%	0	0.0%	0	3,444
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cocco Contracting Corp.	1,956	1,956	0	265	0	0	0	265	0	13.5%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Cruz Contractors LLC	2,221	2,221	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	DeSilvio & Co., Inc.	81	81	0	0	0	0	0	0	31	0.0%	0	38.3%	1	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	L Cruz Development, LLC	1,912	1,912	376	1,536	0	0	0	1,912	0	100.0%	1	0.0%	0	0
Extend Runway 27L & Associated Taxiways Pkg. 1(Site Preparation, Utilities & Fuel Line Relocation)	Meccon Industries, Inc.	11,220	11,220	935	319	0	0	0	1,254	0	11.2%	0	0.0%	0	0
Extended Runway 27L (27C) & Associated Taxiways Pkg. 2	Palman Electric, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Field Lighting and CCTV Installation at Fox Chase Recreation Center	Carr & Duff, Inc.	2,135	72	0	0	0	0	0	0	0	0.0%	0	0.0%	0	2,063
Field Lighting and CCTV Installation at	Gressler	39	39	0	8	0	0	0	8	0	20.5%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Fox Chase Recreation Center	Construction Co., Inc.														
Filter to Waste Automation @ Belmont WTP	C & H Industrial Services Inc.	1,837	1,681	0	0	0	0	0	0	0	0.0%	0	0.0%	0	156
Filter to Waste Automation @ Belmont WTP	Delta/BJDS	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Fire Alarm and Egress Lighting at Firehouses	Hyde Electric Corporation	856	856	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Firehouse 1,33,47,71,and 72 Renovations	Union Roofing Contractors, Inc.	128	128	0	8	0	0	0	8	0	6.3%	0	0.0%	0	0
Firehouses# 19,36,37, & 50	Carr & Duff, Inc.	8	0	0	0	0	0	0	0	0	0.0%	0	0.0%		8
Firehouses# 19,36,37, & 55	Carr & Duff, Inc.	8	0	0	0	0	0	0	0	0	0.0%	0	0.0%		8
Frankford & Haverford Libraries	Allstates Mechanical, LTD	67	67	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Frankford & Haverford Libraries	Butler Balancing Co., Inc.	47	47	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Frankford & Haverford Libraries	Palman Electric, Inc.	43	43	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	A.P. Construction, Inc.	1,360	1,360	191	0	0	0	0	191	0	14.0%	0	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Athena Contracting Inc.	8	8	8	0	0	0	0	8	0	100.0%	1	0.0%	0	0
Gorgas Run Stream Restoration & Summit Ave wingwall Rehab	Bustleton Services, Inc.	318	318	0	207	0	0	0	207	0	65.0%	1	0.0%	0	0
Green Infrastructure @ 29th St	Donato Spaventa & Sons, Inc.	569	569	227	129	0	0	0	356	0	62.5%	1	0.0%	0	0
Green Infrastructure @ 29th St	Nico Landscaping	20	20	0	20	0	0	0	20	0	100.0%	1	0.0%	0	0
Green Infrastructure @ 29th St	Roberson Construction, INC.	63	63	63	0	0	0	0	63	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Clearview Community Park	Seravalli, Inc.	452	452	0	32	0	0	0	32	0	7.1%	0	0.0%	0	0
Green Infrastructure @ Frankford Ave	Seravalli, Inc.	5,314	5,314	468	637	0	0	0	1,105	0	20.8%	0	0.0%	0	0
Green Infrastructure @ Frankford Ave	Serco, Inc.	344	344	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Green Infrastructure @ Medary St	Philip Pio Construction, Inc.	628	628	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Green Infrastructure @ Ontario St	Petrongolo Contractors Inc.	938	938	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Green Infrastructure @ Seybert St	Carr & Duff, Inc.	28	0	0	0	0	0	0	0	0	0.0%	0	0.0%		28
Green Infrastructure @ Seybert St	Donato Spaventa & Sons, Inc.	1,491	1,491	0	339	0	0	0	339	0	22.7%	0	0.0%	0	0
Green Infrastructure @ Seybert St	Nova Crete, Inc.	307	0	0	0	0	0	0	0	0	0.0%	0	0.0%		307
Green Infrastructure @ Seybert St	Roberson Construction, INC.	78	78	78	0	0	0	0	78	0	100.0%	1	0.0%	0	0
Green Infrastructure @ Seybert St	Townscapes, Inc.	75	75	0	50	0	0	0	50	0	66.7%	1	0.0%	0	0
Green Stormwater Infrastructure	Townscapes, Inc.	76	76	0	24	0	0	0	24	0	31.6%	0	0.0%	0	0
Health Center #5 Roof Replacement	McMullen Roofing, Inc.	1,770	1,770	0	924	0	0	0	924	0	52.2%	1	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	C.A.D. Electric, Inc.	876	876	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Clearwater Concrete & Masonry, Inc.	13	0	0	0	0	0	4	0	0	0.0%	0	0.0%		9
HVAC Rehabilitation @ Queen Lane	Criniti Construction	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Devine Brothers, Inc.	76	76	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	GM ELECTRIC INC.	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	H.T. Lyons, Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Hamada Inc.	12	12	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	J.Mann-R. Finley, Inc.	160	160	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
HVAC Rehabilitation @ Queen Lane	Synergy	64	64	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Inn Yard Park	Petrongolo Contractors Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Install Runway 9R Replacement Localizer	Ground Penetration & Restoration, Inc.	838	838	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Install Runway 9R Replacement Localizer	Palman Electric, Inc.	1,041	1,041	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Kensington & Tacony Trail	JPC Group Inc.	286	286	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Krewstown Equestrian Center Renovations @GCON	Pannulla Construction Co.,	20	20	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Inc.														
Mechanical Room 9 Air Handling Unit Replacement	Dolan Mechanical, Inc.	3,207	3,207	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement	Dynamic Balancing Co. Inc.	36	36	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement	Marlyn Sheet Metal, Inc.	736	736	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Mechanical Room 9 Air Handling Unit Replacement - Electrical	Palman Electric, Inc.	724	724	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Milling and Prep in 1-2-3 Hwy Districts	James J. Anderson Construction Co, Inc.	2,020	0	0	0	0	0	0	0	10	0.0%		0.0%		2,020
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Buttonwood Company Inc.	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Katzianer Construction Co. Inc.	288	288	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Kimo Tile & Marble LLC	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Multi-User Flight Information Display(MUFIDS) Upgrade Phase III	Phoenix Contractors Inc.	116	116	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Municipal Service Building Roof Replacement	Ramos & Associates Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Municipal Service Building Roof Replacement	Shleig Electric Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Center for Law Enforcement	Eagle I Electric, Inc.	169	169	0	8	0	0	0	8	0	4.7%	0	0.0%	0	0
New Center for Law Enforcement	Winzinger, Inc.	2,713	2,713	55	0	0	0	0	55	0	2.0%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	A.P. Construction, Inc.	642	642	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	Athena Contracting Inc.	144	144	144	0	0	0	0	144	0	100.0%	1	0.0%	0	0
New Chemical Dosing Lines @ Baxter WTP	Eagle I Electric, Inc.	195	195	16	0	0	0	0	16	0	8.2%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	New Ferric Chloride Store Tank @ Baxter	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	WTP														
New Ferric Chloride Store Tank @ Baxter WTP	Philips Brothers Electrical Contractors Inc.	27	27	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Ferric Chloride Store Tank @ Baxter WTP	Stone Hill Contracting Co. Inc.	6	6	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Electrical)	Ground Penetration & Restoration, Inc.	716	716	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Electrical)	Palman Electric, Inc.	2,132	2,132	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	ABC Construction Co., Inc.	879	879	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	Crawford Caulking Co.	368	368	40	0	0	0	0	40	0	10.9%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	Iron Lady Enterprises, Inc.	388	345	159	73	0	0	0	232	0	67.2%	1	0.0%	0	43
New Gravity Thickner Facilities @ NEWPCP (General)	L & R Construction Co., Inc.	2,591	2,591	205	43	62	0	0	310	0	11.9%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	Mulhern Electric Co., Inc.	134	70	0	0	0	0	0	0	0	0.0%	0	0.0%	0	64
New Gravity Thickner Facilities @ NEWPCP (General)	Rickborn Industrial Services & Erectors Inc.	960	960	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (General)	Thomas P. Carney, Inc.	12,723	12,723	654	0	0	0	0	654	0	5.1%	0	0.0%	0	0
New Gravity Thickner Facilities @ NEWPCP (Plumbing)	Surety Mechanical Services, Inc.	2,351	2,351	570	0	0	0	0	570	0	24.2%	0	0.0%	0	0
New Secondary Conduit @ NEWPCP	C & H Industrial Services Inc.	1,708	1,531	0	0	0	0	0	0	0	0.0%	0	0.0%	0	177
New Secondary Conduit @ NEWPCP	Carusone Construction Inc.	8,956	8,956	0	8	0	0	0	8	0	0.1%	0	0.0%	0	0
New Secondary Conduit @ NEWPCP	L & R Construction Co., Inc.	2,466	2,466	127	22	20	0	0	169	0	6.8%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
North Delaware Avenue Expansion	All Seasons Landscaping Co, Inc.	176	176	0	72	0	0	0	72	0	40.9%	1	0.0%	0	0
North Delaware Avenue Expansion	Buckley & Company, Inc.	5,259	5,259	950	0	0	0	0	950	0	18.1%	0	0.0%	0	0
North Delaware Avenue Expansion	L&R Construction Co., Inc.	59	59	0	6	0	0	0	6	0	10.2%	0	0.0%	0	0
North Delaware Avenue Expansion	Northeast Fence & Iron Works, Inc.	246	246	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
North Delaware Avenue Expansion	Nucero Electrical Construction Co., Inc.	603	603	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
North Delaware Avenue Expansion	Roma Concrete	787	658	56	0	0	0	129	56	0	8.5%	0	0.0%	0	0
Northern Liberties Phase II & IV	A.P. Construction, Inc.	20,695	20,695	1,923	1,208	0	42	0	3,172	0	15.3%	0	0.0%	0	0
Northern Liberties Phase II & IV	Apex Services, Inc.	152	152	0	152	0	0	0	152	0	100.0%	1	0.0%	0	0
Northern Liberties Phase II & IV	Bayshore Rebar, Inc.	2,167	2,167	338	0	0	0	0	338	0	15.6%	0	0.0%	0	0
Northern Liberties Phase II & IV	Cocco Contracting Corp.	1,833	1,833	216	364	0	0	0	579	34	31.6%	0	1.9%	0	0
Northern Liberties Phase II & IV	E.H. Ironwroks Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	L Cruz Development, LLC	592	592	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	Nucero Electrical Construction Co., Inc.	335	335	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Northern Liberties Phase II & IV	U.S. Construction Group	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide	General Asphalt Paving Co. of Phila	743	743	95	2	0	0	0	97	0	13.0%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Brightline Construction	184	184	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Palman Electric, Inc.	71	71	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call All Clients City-Wide G-Con	Russ Kelly & Associates	397	206	0	0	0	0	0	0	0	0.0%	0	0.0%	0	191

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
On-Call All Clients City-Wide G-Con	Schleig Electric Inc.	53	53	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call City Wide Parks & Recreation Facilities	General Asphalt Paving Co. of Phila	1,664	1,664	136	0	0	0	0	136	0	8.2%	0	0.0%	0	0
On-Call City Wide Parks & Recreation Facilities	Palman Electric, Inc.	3,931	3,931	40	0	0	0	0	40	0	1.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	B&B Lighting Protection	64	64	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	Brightline Construction	1,700	1,700	172	0	0	0	0	172	0	10.1%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	General Asphalt Paving Co. of Phila	136	136	8	0	0	0	0	8	0	5.9%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	General Masonry & Restoration, Inc.	36	36	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On-Call Fire, Police, Prisons, Public Properties City Wide	ISC, Inc.	31	0	0	0	0	0	0	0	0	0.0%	0	0.0%		31
On-Call Fire, Police, Prisons, Public Properties City Wide	Shleig Electric Inc.	313	313	104	0	0	0	0	104	0	33.1%	1	0.0%	0	0
On Call General Construction Requirements	Blasz Construction LLC	132	132	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call General Construction Requirements	George Young Mechanical, LLC	1,137	0	0	0	0	0	0	0	0	0.0%	0	0.0%		1,137
On Call General Construction Requirements	Greenwich Glass LLC	184	184	0	64	0	0	0	64	0	34.8%	1	0.0%	0	0
On Call General Construction Requirements	Hunter Roberts Construction Group	1,984	1,984	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call General Construction Requirements	Roma Steel Erection Inc.	672	672	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
On Call Mechanical	Surety Mechanical Services, Inc.	4,510	4,510	588	0	0	0	0	588	0	13.0%	0	0.0%	0	0
On Call Mechanical	Thomas Company	849	849	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Panati Playground	All Seasons Landscaping Co, Inc.	16	16	8	0	0	0	0	8	0	50.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Panati Playground	Rockport Construction Co., Inc.	10	10	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (Electrical)	Mulhern Electric Co., Inc.	4,088	184	0	0	0	0	0	0	0	0.0%	0	0.0%	0	3,904
Passenger Loading Bridges Replacement (General)	AERO Bridgeworks Inc.	222	222	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	CNS Construction Corp	997	997	8	0	0	0	0	8	0	0.8%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	D.J. Keating Company	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	Ellioitt-Lewis Corporation	918	918	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	JSL Kelly Pile Foundation Inc.	152	152	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Passenger Loading Bridges Replacement (General)	PBA Construction, Inc.	103	103	36	0	0	0	0	36	0	34.5%	1	0.0%	0	0
Passenger Loading Bridges Replacement (General)	Sautter Crane Rental Inc.	166	166	19	21	0	27	0	66	0	39.8%	1	0.0%	0	0
Pennsylvania Ave (SR2006)	Tony DePaul & Son	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Phila. School Cross/Zone Safety- Phase 11	Miller Bros. Div of Wamploe-Miller, Inc.	1,094	1,094	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Philadelphia Traffic Operations Center(Electrical)	Carr & Duff, Inc.	1,625	395	0	395	0	0	0	395	0	100.0%	1	0.0%	0	1,230
Philadelphia Traffic Operations Center(Electrical)	Seravalli, Inc.	36	36	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Devine Brothers, Inc.	626	626	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Five Star, Inc.	741	741	0	12	0	0	0	12	0	1.6%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Nucero Electrical Construction Co., Inc.	4,438	4,438	899	0	0	0	0	899	0	20.2%	0	0.0%	0	0
Plant Water System Rehab @ NEWPCP	Stone Hill Contracting Co. Inc.	1,172	1,144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	28
Plant Water System Rehab @ NEWPCP	Union Roofing Contractors, Inc.	72	72	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Plant Water System Rehab @ NEWPCP	Venture Two Contracting, Inc.	764	764	764	0	0	0	0	764	0	100.0%	1	0.0%	0	0
Police HQ and 22nd Police District	Allstates Mechanical, LTD	108	108	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police HQ and 22nd Police District	Butler Balancing Co., Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Roof Replacements (Plumb)	Dolan Mechanical, Inc.	239	239	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Roof Replacements (Plumb)	Edward J. Meloney Inc.	88	88	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Bencardino Excavating, Inc.	815	815	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Carr & Duff, Inc.	393	25	0	0	0	0	0	0	0	0.0%	0	0.0%	0	368
Police Training Access Drive	Colonial Tree & Lanscaping, Inc.	175	175	0	72	0	0	0	72	0	41.1%	1	0.0%	0	0
Police Training Access Drive	Nico Landscaping	246	246	87	153	0	0	0	240	0	97.6%	1	0.0%	0	0
Police Training Access Drive	Roma Concrete	89	81	0	0	0	0	8	0	0	0.0%	0	0.0%	0	0
Police Training Access Drive	Traffic & Safety Signs, Inc.	18	18	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Blasz Construction LLC	168	168	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Creative Surfaces, Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Devine Brothers, Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Dolan Mechanical, Inc.	37	37	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Police Training Center	Eagle I Electric, Inc.	159	159	16	0	0	0	0	16	0	10.1%	0	0.0%	0	0
Police Training Center	PBA Construction, Inc.	26	26	6	0	0	0	0	6	0	23.1%	0	0.0%	0	0
Police Training Center	Thomas Company	13	13	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Process Air Valve System (ELEC)	Mulhern Electric Co., Inc.	10	10	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Process Air Valve System (MECH)	Five Star, Inc.	20	20	0	4	0	0	0	4	0	20.0%	0	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Cocco Contracting Corp.	88	88	8	0	0	0	0	8	0	9.1%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Realign Taxiway H/ Establish Taxiway EE	DELTA LINE CONSTRUCTION CO	14,122	10,271	257	225	0	795	0	1,277	0	12.4%	0	0.0%	0	3,851
Realign Taxiway H/ Establish Taxiway EE	L Cruz Development, LLC	1,888	1,888	448	1,440	0	0	0	1,888	0	100.0%	1	0.0%	0	0
Realign Taxiway H/ Establish Taxiway EE	Tony DePaul & Son	20,522	20,483	3,345	3,436	0	0	0	6,781	0	33.1%	1	0.0%	0	39
Realign Taxiway H/ Establish Taxiway EE	WILKINSON INC	984	984	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ 10th St	Nello Construction	1,600	1,600	208	752	0	0	0	960	0	60.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ 31st	Carusone Construction Inc.	3,672	3,672	0	353	0	0	0	353	0	9.6%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Gessler Construction Co. Inc.	14	14	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Nello Construction	440	440	32	408	0	0	0	440	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Abbottsford Rd	Philip Pio Construction, Inc.	384	384	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Aviman Management, LLC	215	215	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Gessler Construction Co. Inc.	20	20	8	0	0	0	0	8	0	40.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Airdrie St	Nello Construction	308	308	0	308	0	0	0	308	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Amber St	Carusone Construction Inc.	2,366	2,366	0	747	0	0	0	747	0	31.6%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Amber St	Mena Construction, Inc.	505	505	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Aviman Management, LLC	423	423	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Beaumont St	Gessler Construction Co. Inc.	43	35	0	5	0	0	0	5	0	14.3%	0	0.0%	0	8
Reconstruction of Sewers & Relays @	Nello	3,120	3,120	656	1,216	0	0	0	1,872	0	60.0%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Beaumont St	Construction														
Reconstruction of Sewers & Relays @ Beaumont St	Ramos & Associates Inc.	34	34	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Benezet	Miniscalco Construction, LLC	1,887	1,887	306	0	0	0	0	306	0	16.2%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Berks St	Petrongolo Contractors Inc.	2,258	2,258	180	0	0	0	0	180	0	8.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Gessler Construction Co. Inc.	54	54	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Philip Pio Construction, Inc.	3,061	3,061	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Carlisle	Ramos & Associates Inc.	1,125	1,125	96	0	0	0	0	96	54	8.5%	0	4.8%	0	0
Reconstruction of Sewers & Relays @ Clearview	JPC Group Inc.	3,163	3,163	1,012	1,291	0	0	0	2,303	24	72.8%	1	0.8%	0	0
Reconstruction of Sewers & Relays @ Clearview	SJA Construction, Inc.	64	64	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Clearview	Vera-CCS, LLC	247	247	6	124	0	0	0	130	0	52.6%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Conestoga	Petrongolo Contractors Inc.	1,211	1,211	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Corlies St	Carusone Construction Inc.	836	836	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Dauphin St	Petrongolo Contractors Inc.	2,506	2,506	955	0	0	0	0	955	0	38.1%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Franklin St	Nello Construction	1,353	1,353	35	1,318	0	0	0	1,353	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Haverford Ave	Aviman Management, LLC	308	308	25	0	0	0	0	25	0	8.1%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Aviman Management, LLC	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Petrongolo Contractors Inc.	3,181	3,181	357	0	0	0	0	357	0	11.2%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Hermitage	Vera-CCS, LLC	1,907	1,907	907	880	0	0	0	1,787	0	93.7%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Napfle Ave	Gessler Construction Co.	34	34	4	0	0	0	0	4	0	11.8%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Inc.														
Reconstruction of Sewers & Relays @ Napfle Ave	Petrongolo Contractors Inc.	2,662	2,662	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Norris St	Carusone Construction Inc.	1,943	1,943	0	8	0	0	0	8	0	0.4%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Norris St	Mena Construction, Inc.	554	554	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Pacific St	Carusone Construction Inc.	1,452	1,452	0	20	0	0	0	20	0	1.4%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Pacific St	Mena Construction, Inc.	50	50	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Race St	JPC Group Inc.	504	504	103	104	0	0	0	207	38	41.0%	1	7.5%	1	0
Reconstruction of Sewers & Relays @ Race St	Vera-CCS, LLC	194	194	49	48	0	0	0	97	0	50.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Carusone Construction Inc.	280	280	0	35	0	0	0	35	0	12.5%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Ranstead St	Philip Pio Construction, Inc.	280	280	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Aviman Management, LLC	137	137	16	0	0	0	0	16	0	11.7%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Gessler Construction Co. Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ S. Millick	Nello Construction	548	548	2	546	0	0	0	548	0	100.0%	1	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Carusone Construction Inc.	2,363	2,363	0	61	0	0	0	61	0	2.6%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ Seltzer St	Mena Construction, Inc.	62	62	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	E.J. Electric, Inc.	25	25	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Gessler Construction Co. Inc.	21	21	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Reconstruction of Sewers & Relays @ W. Somerset	Philip Pio Construction, Inc.	612	612	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Carusone Construction Inc.	3,220	3,220	0	562	0	0	0	562	0	17.4%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relay of Water Mains & Construction of Green Infrastructure @ 56th	Mena Construction, Inc.	233	233	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Ellsworth St	Nello Construction	402	402	11	391	0	0	0	402	0	100.0%	1	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Carusone Construction Inc.	1,806	1,806	0	52	0	0	0	52	0	2.9%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Hope St	Mena Construction, Inc.	17	17	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains & Construction of Green Infrastructure @ Melon St	Carusone Construction Inc.	74	74	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ 27th St	Carusone Construction Inc.	17	17	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ 54th St	Gessler Construction Co. Inc.	6	6	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ 54th St	Philip Pio Construction, Inc.	24	24	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Boston St	Carusone Construction Inc.	96	96	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Calvert St	Petrongolo Contractors Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Collins	Aviman Management, LLC	97	97	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Collins	Nello Construction	316	316	0	316	0	0	0	316	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Conlyn St	Carusone Construction Inc.	463	463	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Conlyn St	Mena Construction, Inc.	117	117	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Conrad	Nello Construction	1,192	1,192	8	1,176	0	0	0	1,184	0	99.3%	1	0.0%	0	0
Relay of Water Mains @ Coral St	Aviman Management, LLC	395	395	24	0	0	0	0	24	0	6.1%	0	0.0%	0	0
Relay of Water Mains @ Coral St	Gessler Construction Co. Inc.	26	26	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Coral St	Nello Construction	2,729	2,729	256	2,465	0	0	0	2,721	0	99.7%	1	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
Relay of Water Mains @ Coral St	Ramos & Associates Inc.	46	46	8	0	0	0	0	8	8	17.6%	0	17.6%	1	0
Relay of Water Mains @ Duval St	Carusone Construction Inc.	869	869	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Duval St	Mena Construction, Inc.	39	39	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Fanshawe ST	Philip Pio Construction, Inc.	419	419	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Ford Rd	Carr & Duff, Inc.	169	0	0	0	0	0	0	0	0	0.0%		0.0%		169
Relay of Water Mains @ Ford Rd	L & R Construction Co., Inc.	193	193	24	0	0	0	0	24	0	12.4%	0	0.0%	0	0
Relay of Water Mains @ Ford Rd	Robert Ganter Contractors Inc.	60	60	34	9	0	0	0	43	0	71.4%	1	0.0%	0	0
Relay of Water Mains @ Ford Rd	Seravalli, Inc.	5,881	5,881	597	267	0	0	0	864	0	14.7%	0	0.0%	0	0
Relay of Water Mains @ Ford Rd	Serco, Inc.	714	714	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lakeside Ave	Brightline Construction	1,401	1,401	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	A.P. Construction, Inc.	3,985	3,985	1,154	1	0	0	0	1,155	0	29.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Aviman Management, LLC	136	136	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Gessler Construction Co. Inc.	42	42	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Lehigh Ave	Vera-CCS, LLC	612	612	193	419	0	0	0	612	0	100.0%	1	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Gessler Construction Co. Inc.	36	36	8	0	0	0	0	8	0	22.2%	0	0.0%	0	0
Relay of Water Mains @ Penrose Ave	Petrongolo Contractors Inc.	144	144	32	0	0	0	0	32	0	22.2%	0	0.0%	0	0
Relay of Water Mains @ Pierce St	Petrongolo Contractors Inc.	2,256	2,256	137	0	0	0	0	137	0	6.1%	0	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Aviman Management, LLC	80	80	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Red Lion Rd	Gessler	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

Project Name	Contractor	Total	Total - NS	African American	Hispanic	Asian	Native American	Other	All Minority	Female	% Minority	Met Minority Goal	% Female	Met Female Goal	Not Specified
	Construction Co. Inc.														
Relay of Water Mains @ Red Lion Rd	Petrongolo Contractors Inc.	1,360	1,360	72	0	0	0	0	72	0	5.3%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	A.P. Construction, Inc.	1,503	1,503	393	0	0	0	0	393	0	26.2%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Cocco Contracting Corp.	4	4	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Gessler Construction Co. Inc.	68	68	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Relay of Water Mains @ Stenton Ave	Vera-CCS, LLC	855	855	416	381	0	0	0	796	0	93.2%	1	0.0%	0	0
Relay of Water Mains @ West Hunting Park	JPC Group Inc.	476	476	5	3	0	0	0	8	0	1.7%	0	0.0%	0	0
Replacement fo Multi-User Flight Info Display System	E.J. Electric, Inc.	370	370	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of 15KV & 2.4KV Switchgear and b/u Generator @ East Oak Lane Fresh WPS	Mulhern Electric Co., Inc.	2,289	1,107	0	4	0	0	0	4	0	0.4%	0	0.0%	0	1,182
Replacement of 480V Outdoor Switchgear Aeration Tanks @ NEWPCP	Holder Inc. t/a Donavan Electric	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of 480V Outdoor Switchgear Aeration Tanks @ NEWPCP	Philips Brothers Electrical Contractors Inc.	447	447	0	18	0	0	0	18	0	4.0%	0	0.0%	0	0
Replacement of Filter Underdrains @ Baxter WTP	A.P. Construction, Inc.	16	16	8	0	0	0	0	8	0	51.6%	1	0.0%	0	0
Replacement of Influent Screw Pumps @ SWWPCP	Philips Brothers Electrical Contractors Inc.	208	208	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Replacement of Influent Screw Pumps @ SWWPCP	Quad Construction Company	364	364	6	0	0	0	0	6	0	1.5%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	Clearwater Concrete & Masonry, Inc.	42	4	4	0	0	0	4	4	0	100.0%	1	0.0%	0	34
Replacement of Influent Valves & Actuators @ Queen Lane	Five Star, Inc.	1,298	1,298	0	80	0	0	0	80	0	6.2%	0	0.0%	0	0
Replacement of Influent Valves & Actuators @ Queen Lane	J.Mann-R. Finley, Inc.	341	341	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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Replacement of Influent Valves & Actuators @ Queen Lane	Mulhern Electric Co., Inc.	628	305	0	0	0	0	0	0	0	0.0%	0	0.0%	0	323
Requirements Contract	Associated Specialty Contracting Inc.	874	874	176	0	0	0	0	176	0	20.1%	0	0.0%	0	0
Security Camera Group 8	Hyde Electric Corporation	546	546	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Southwest Plant Chanel Aeration System	Spectraserv Inc.	89	89	4	85	0	0	0	89	0	100.0%	1	0.0%	0	0
Stephen Girard House	Kurtz Construction Co.	728	728	260	0	0	0	0	260	0	35.7%	1	0.0%	0	0
Stokely Playground	Gessler Construction Co. Inc.	86	86	40	0	0	0	0	40	0	46.5%	1	0.0%	0	0
Storm Drain Outfall @ NEWPCP	Carusone Construction Inc.	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,76	Hyde Electric Corporation	164	164	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,86	Kaser Mechanical, LLC	154	154	85	0	0	0	0	85	0	55.4%	1	0.0%	0	0
Structural Work at Engine 3,69,71,91	Murphy Quigley Company, Inc.	177	177	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Structural Work at Engine 3,69,71,96	Murphy Quigley Company, Inc.	1,169	1,169	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Susquehanna Ave	Petrongolo Contractors Inc.	273	273	40	0	0	0	0	40	0	14.7%	0	0.0%	0	0
Terminal A-East Roof Replacement	Accurate Insulation LLC	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Armour & Sons Electric, Inc.	65	65	16	0	0	0	0	16	0	24.6%	0	0.0%	0	0
Terminal A-East Roof Replacement	C & H Mechanical Inc.	19	19	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Carr & Duff, Inc.	24	0	0	0	0	0	0	0	0	0.0%		0.0%		24
Terminal A-East Roof Replacement	D.A. Nolt Inc.	6,595	6,595	874	1,955	0	0	0	2,829	0	42.9%	1	0.0%	0	0
Terminal A-East Roof Replacement	Gaudelli Bros. Inc.	384	384	0	0	59	0	0	59	0	15.3%	0	0.0%	0	0
Terminal A-East Roof Replacement	HF3 Inc.	100	100	0	100	0	0	0	100	0	100.0%	1	0.0%	0	0
Terminal A-East Roof Replacement	Lighting Prevention	138	138	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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	Systems														
Terminal A-East Roof Replacement	Oliver Fire Protection & Security	14	14	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	Skylight Doctors LLC	873	873	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal A-East Roof Replacement	TAB Systems Inc.	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminal Complex Storm Water Improvements - General	A.P. Construction, Inc.	236	236	28	19	0	0	0	47	0	19.7%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Edward J. Meloney Inc.	712	712	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	J.Mann-R. Finley, Inc.	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Marlyn Sheet Metal, Inc.	1,189	1,189	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Mechanical	Midatlantic Construction & Design dba Midatlantic Insulation	126	126	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	American Sitework	16	16	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Clearwater Concrete & Masonry, Inc.	9	0	0	0	0	0	9	0	0	0.0%	0	0.0%		0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Five Star, Inc.	3,351	3,351	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	J.Mann-R. Finley, Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Renovations Phase 2 Plumbing	Oliver Fire Protection & Security	445	445	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Airport Construction Services LLC	9,945	9,945	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Buttonwood Company Inc.	120	120	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Creative Surfaces, Inc.	128	128	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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Terminals D,E,F Restroom Rnovations Phase 2 General	D.J. Keating Company	48	48	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	E.J. Electric, Inc.	4,309	4,309	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Hamada Inc.	258	258	124	0	0	0	0	124	0	48.2%	1	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	PBA Construction, Inc.	746	746	244	0	0	0	0	244	0	32.7%	1	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Pioneer Contracting, Inc.	79	79	0	13	0	0	0	13	0	16.5%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Roman Mosaic & Tile Company	3,763	3,763	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Set-Rite Co	32	32	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Thomas Company	173	173	4	0	0	0	0	4	0	2.3%	0	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	Torrado Construction	467	467	0	431	0	0	0	431	0	92.3%	1	0.0%	0	0
Terminals D,E,F Restroom Rnovations Phase 2 General	TRACORP	144	144	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Trenchless Sewer Lining @ 10th St	Petrongolo Contractors Inc.	40	40	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
West Philadelphia Library	J.Mann-R. Finley, Inc.	152	152	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
West Philadelphia Library	Mulhern Electric Co., Inc.	522	56	0	0	0	0	0	0	0	0.0%	0	0.0%	0	466
West Philadelphia Library	Surety Mechanical Services, Inc.	909	909	58	0	0	0	0	58	0	6.4%	0	0.0%	0	0
Willow Grove Ave, Bridge	ABC Construction Co., Inc.	276	276	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Carl M. Weber Steel Services, Inc.	24	24	0	8	0	0	0	8	0	33.3%	1	0.0%	0	0
Willow Grove Ave, Bridge	Carusone Construction Inc.	175	175	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Charlestown Paving & Exc, Inc.	26	0	0	0	0	0	0	0	0	0.0%	0	0.0%		26
Willow Grove Ave, Bridge	General Asphalt	92	92	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0

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	Paving Co. of Phila														
Willow Grove Ave, Bridge	Jupiter PCC Inc.	290	290	0	16	0	0	0	16	0	5.5%	0	0.0%	0	0
Willow Grove Ave, Bridge	L&R Construction Co., Inc.	452	452	56	0	8	0	0	64	0	14.2%	0	0.0%	0	0
Willow Grove Ave, Bridge	L.W. Clearing Company	1	1	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Loftus Construction, Inc.	5,692	5,692	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Nucero Electrical Construction Co., Inc.	8	8	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Willow Grove Ave, Bridge	Roma Concrete	138	130	16	0	0	0	8	16	0	12.3%	0	0.0%	0	0
Willow Grove Ave, Bridge	Solid Wall LLC	106	106	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0
Wister Playground	All Seasons Landscaping Co, Inc.	126	126	64	0	0	0	0	64	0	50.7%	1	0.0%	0	0
Wister Playground	Brightline Construction	918	918	151	0	0	0	0	151	0	16.4%	0	0.0%	0	0
Wister Playground	Hyde Electric Corporation	500	500	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0