



King County

2015

Annual Apprenticeship Report



Department of Executive Services
Finance and Business Operations
Division
Business Development and Contract
Compliance Section

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SUMMARY



King County Apprenticeship Program provides workers paid on-the-job learning, classroom instruction, and a pathway into family wage careers.

Dow Constantine, King County Executive

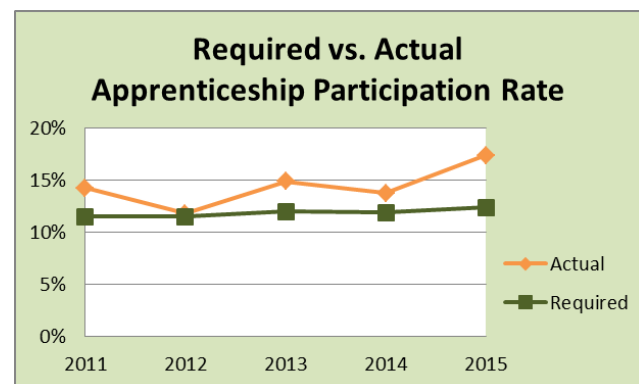
King County's Apprenticeship Program helps to train individuals for entry-level construction jobs. The program requires prime contractors to employ apprentices on select County-funded construction projects. The required percentage of the total labor hours that apprentices must perform varies with the type of project.

Skilled workers are essential to the health of our economy. Apprenticeship can equip workers for construction careers in a range of trades and lead to family wage jobs. In 2015, King County applied apprenticeship requirements to 26 public works projects. These projects represent a variety of services that include sewer and water line replacements, road maintenance, building improvements and renovations. The following results of these actions are the highlights of King County's Apprenticeship Program in 2015:

- 73,733 apprentice labor hours
- 17.5% overall apprentice participation rate, exceeding the required rate of 12.4% by 5.1%
- 310 participating apprentices
- 31% participation by minority men; and
- 12.4% participation by women apprentices

The chart shown contains data to illustrate the actual apprenticeship rate achieved for the five-year period between 2011 and 2015. During this period, prime contractors exceeded the required apprenticeship rate¹ for each of the past 5 years.

The construction industry and its workforce are vital to our local economy. The post-recession rebound of construction and the aging of the current construction workforce yield additional job opportunities for workers entering the industry. Demand for workers with construction skills currently outpaces supply. King County's Apprenticeship Program is committed to contributing to the development of a skilled construction workforce that supports the recruitment and hiring of workers from traditionally disadvantaged communities into family wage careers.



¹ The required percentage rate is the overall rate of apprenticeship participation required for all projects subject to these requirements during the same period.

REPORT OVERVIEW

King County establishes apprenticeship requirements on selected public works projects with estimated construction valued at greater than \$1 million dollars. The total labor hours and opportunity for training are factors used to determine the establishment of apprenticeship requirements. Construction projects valued at less than \$1 million dollars may be subject to the apprenticeship requirements if the project duration is sufficient and the number of labor hours adequate in a specific trade(s) to support the use of apprentices.

The report contains the following five sections plus appendices:

Section 1: Types of Public Works Projects Subject to the Apprenticeship Requirements

Section 1 provides information on the type of public works projects subject to the County's apprenticeship requirements during the report period. This section includes data on the number of labor hours worked by apprentices and the total number of labor hours for these projects.

Section 2: Number of Public Works Projects Subject to the Apprenticeship Requirements including Total Apprentice Labor Hours

Section 2 evaluates the number of public works projects subject to the County's apprenticeship requirements during the report period. This section includes data on the number of labor hours worked by apprentices and the total number of labor hours for these projects.

Section 3: Apprenticeship Utilization and Participation by Populations

Section 3 evaluates the number and percentage of minorities, women, persons with disabilities and economically disadvantaged youth utilized as apprentices; the number of apprentices by trade and craft category; and the degree of contractor compliance with established hiring goals.

Section 4: Implementation Process and Challenges

Section 4 includes information on the concerns encountered in the implementation of the County's Apprenticeship Program and actions undertaken to mitigate or resolve them.

Section 5: Number of Apprentices during the Report Period

Section 5 contains information on the number of registered apprentices employed on County construction projects that include apprenticeship requirements.

Appendices

The appendices include a glossary of terms, as well as charts and tables providing important statistical information on the performance of contracts subject to the apprenticeship requirements during the reporting period.



2015 General Summary	
Total Labor Hours on KC Projects	420,416
Actual Apprentice Hours Worked	73,733
Actual Apprentice Hours Percentage	17.5%
Apprentice Hours Overall Goal at 15%	63,062
Number of Apprentices	310

Apprentice Population Summary			
Population	Number	Hours	% Hours
Caucasian Men	183	41,872	56.79%
Caucasian Women	17	7,452	10.11%

Minority Apprentice Population			
Population	Number	Hours	% Hours
Minority Men	93	22,634	30.70%
Minority Women	9	1,677	2.27%
Subtotal Minorities	102	24,311	32.97%

Apprentice Hours by Race					
	Asian	Black	Hispanic	Native	Other
Minority Men	1,979	9,226	8,921	21	2,488
Minority Women	0	294	609	295	479
Subtotal Minorities	1,979	9,520	9,530	316	2,967
% Apprentice Hours by Race:	2.68%	12.91%	12.92%	0.43%	4.02%

Department Summary		Projects	\$ Amount	Labor Hrs	No. Apprentices	Apprentice Hrs	% Use
Executive Services							
Facilities Management Division		1	\$6,120,400	8,519	14	3,105	36.45%
Subtotal		1	\$6,120,400	8,519	14	3,105	36.45%
Natural Resources & Parks							
Parks & Recreation		1	\$1,695,504	2,789	1	415	14.86%
Solid Waste Division		2	\$60,853,089	123,483	104	23,414	18.96%
Wastewater Treatment Division		14	\$152,430,262	229,090	133	38,305	16.72%
Water & Land Resources Division		1	\$4,787,042	19,021	14	2,819	14.82%
Subtotal		18	\$219,765,897	374,382	252	64,952	17.35%
Transportation							
King County International Airport		1	\$4,536,165	3,512	9	856	24.36%
Road Services Division		1	\$4,881,352	12,591	6	562	4.46%
Transit Division		5	\$18,776,469	21,411	29	4,258	19.89%
Subtotal		7	\$28,193,986	37,514	44	5,676	15.13%
Departments	Total	26	\$254,080,283	420,416	310	73,733	17.54%

Section 1: TYPES OF PUBLIC WORKS SUBJECT TO THE COUNTY'S APPRENTICESHIP REQUIREMENTS

Construction projects that are subject to King County's apprenticeship requirements generally fall within the following categories:

- I. Buildings - New construction
- II. Buildings – Alterations
- III. Highways and Bridges
- IV. Heavy Civil Construction

I. Buildings – New Construction

These construction projects typically employ 12 to 18 different trades with opportunities for the use of apprentices in most of them. An apprenticeship requirement of 15% is realistic and attainable on these projects.

II. Buildings – Alterations

Building alteration projects typically employ 10 to 12 trades, and an apprenticeship requirement of 15% is realistic and attainable for these projects.

III. Highways and Bridges

Highway and bridge projects, including roads, paving, and park and ride lots, generally involve trades that include equipment operators and laborers. An apprenticeship requirement of 5% is realistic for these projects due to the specialized equipment used and reduced number of laborers (compared to new building construction or alterations as listed above). County bridgework generally has Federal Highway Administration (FHWA) funds. King County apprenticeship requirements do not apply to FHWA funded projects. The Washington State Department of Transportation (WSDOT) establishes training hours for FHWA projects. This report does not provide information on the number of trainees or labor hours worked by them on projects contained in this report.

Parks and play fields also employ equipment operators and laborers. For these projects, workers are under the category of "landscape construction" for which there is no apprenticeship program. It is not practical to establish apprenticeship requirements for these projects.

IV. Heavy Civil Construction

Heavy civil construction includes pipelines, tunnels, pump stations, and treatment plants. Tunnel and pipeline projects employ equipment operators and laborers with minimal participation from other trades. A 12% goal is more realistic on pipeline projects. Pump stations typically employ 8 to 10 construction trades and are capable of achieving a 15% apprenticeship requirement.



As different King County Departments' public works projects often fall within certain construction categories, an expected range in apprenticeship usage rates for those departments is between 5% and 15%, depending on the of construction type in which the department specializes. In 2015, King County's Department apprenticeship usage ranged from 4.46% to 36.45%, with an

average of 17.4%, indicating that the Departments are close to or exceeding the expected apprenticeship usage. Some departments, such as the Facilities Management Division and the King County International Airport, employed a very high percentage of apprentices on projects in 2015, with 36.45% and 24.36% apprenticeship usage, respectively. These trends indicate that, overall, King County departments generally meet or exceed their expected apprenticeship usage within their construction category.

Section 2: PUBLIC WORKS SUBJECT TO THE APPRENTICESHIP REQUIREMENTS AND TOTAL APPRENTICE LABOR HOURS

In 2015, King County achieved an overall apprenticeship rate of 17.5% for all public works projects subject to the apprenticeship requirements. The apprenticeship rate is calculated by dividing the total of apprentice labor hours by the total of all labor hours associated with applicable projects. These projects do not include work order contracts for construction services.



Table 1 below is a data comparison of the 2014 and 2015 participation rates in labor hours and the number of apprentices employed on County public works projects.

Table 1 - Comparison 2015 / 2014 Apprentice Participation

Apprentice Participation	2014	2015	% Change from 2014
Number of Projects	30	26	-13.3%
Total Labor Hours	264,371	420,416	59.0%
Total Apprentice Labor Hours	36,555	73,733	101.7%
Apprentice Participation Rate	13.8%	17.5%	3.7%
Required Apprenticeship Percentage	11.9%	12.4%	0.5%
Apprentices Employed on County Projects	208	310	49.0%

Table 1 contains data on the number of King County construction projects subject to the apprenticeship requirements decreased from 30 in 2014 to 26 in 2015. Despite this decrease in the number of projects, the data also reports a general increase in apprentice participation in 2015 compared to 2014.

The start of new construction projects during the report period, and the continuation of projects still in the construction cycle contributed to increases in the total number of apprentices participating in the program in 2015, and corresponding growth in the number of labor hours worked by this group during the same period.

In 2015, apprentices worked 73,733 total labor hours compared to 36,555 total labor hours in 2014. This change represents a 101.7% increase in apprentice labor hours worked. Correspondingly, during the same period, apprentices worked 17.5% of all labor hours subject to the apprenticeship requirement, as compared to 13.8% of all labor hours in 2014. This represents a 3.7% increase over the previous program year.

In addition, the number of apprentices working on King County construction projects also increased from 208 in 2014 to 310 in 2015. This change represents a gain of 49% in the number of apprentices who participated in the program.

Section 3: APPRENTICESHIP UTILIZATION AND PARTICIPATION BY POPULATIONS

I. Populations in King County's Apprenticeship Program

The populations in King County's Apprenticeship Program consist of four groups:

1. Caucasian Men
2. Minority Men
3. Minority Women
4. Caucasian Women



The total number of labor hours worked on projects subject to apprenticeship requirements increased in 2015. Consequently, the program experienced an increase in the total number of labor hours worked by apprentices during the same period, as shown below in Table 2. The total number of women apprentices increased marginally in 2015. However, the total number of labor hours worked by women apprentices increased markedly in 2015 as compared to 2014.

Table 2- Apprentice Numbers and Labor Hours Worked by Groups

Population	Number of Persons		% Change	Labor Hours		% Change
	2014	2015		2014	2015	
Caucasian Men	122	183	50.0%	20,652	41,872	102.8%
Minority Men	58	93	60.3%	11,715	22,634	93.2%
Minority Women	6	9	50.0%	1,184	1,677	41.6%
Caucasian Women	19	17	-11.8%	3,005	7,452	148.0%

Table 3 below contains data on the participation rate of members of each group and the percentage change from year 2014 and 2015.

Table 3 - Apprentice Participation Rate by Groups

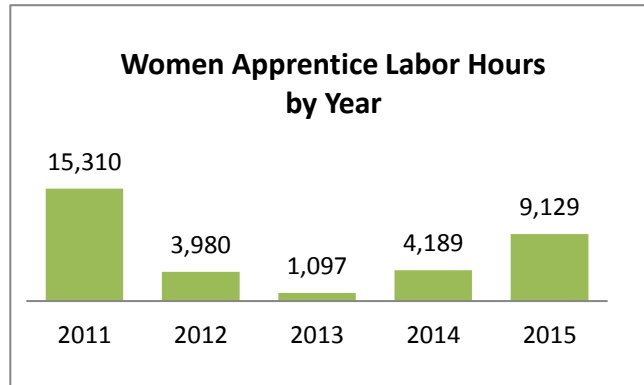
Population	Population Rate		
	2014	2015	Change
Caucasian Men	56.5%	56.9%	0.4%
Minority Men	32.0%	30.7%	-1.3%
Minority Women	3.2%	2.3%	-0.9%
Caucasian Women	8.2%	10.1%	1.9%

In 2015, women apprentices made up 12.4% of all apprentices participating in King County's Apprenticeship Program. This percentage of women apprentices in the County's

Apprenticeship program is noticeably higher than nationwide participation trends. Nationally, women make up about 3% of the apprentices in the construction workforce; minority women comprise approximately 1% of this percentage.

Although efforts to increase the number of women apprentices in the construction industry are underway, the participation rate for women in the construction trades has not developed significantly over time nationally.

The proportion of women apprentices entering building and construction trades programs in Washington State has remained relatively flat over the past decade. Of nearly 32,000 registered apprentices between 1992 and 2004, about 8% (2,550) were women. On average, less than 200 women have entered the construction trades annually since 1992, compared to nearly 2,300 men per year.



By 2005, women made up only 7% of new apprentices. The percentage of women of color entering apprenticeship programs has stayed comparatively constant each year, making up roughly 2% of all apprentices and averaging fewer than 50 women per year.² Nationally, the outlook is not better—under 3 percent for decades, due in part to the challenges that blocks women from entering and staying in the field.

Women also are less likely to complete their apprenticeships as compared to men. Between 2006 and 2007, out of 120,000 apprenticeship agreements, 51 percent of female construction apprentices left their apprenticeship programs, compared with 46 percent of males.³



In 2013, despite composing almost half of workers in all occupations (47 percent),⁴ women make up only 2.6 percent of workers in construction and extraction occupations, and this number is about the same as it was three decades ago.⁴ There are about 7,615,000 male construction workers in the U.S. and only about 206,000 women.

The retention of women in the construction industry is critical to success. The number of women who have been recruited to the trades and who have received training and achieved entry level status is exponentially higher than the number who have stayed in the trades and made it a career. Generally, resources spent on recruitment outweigh those spent on retention. Addressing this challenge may require a shift in emphasis and resources from training to retention and the advancement of women in the construction industry.

² Source: Department of Labor and Industries, Apprenticeship Section

³ Source: The Aspen Institute, Workforce Strategies Initiative, 2013.

⁴ Source: NWLC calculations using Miriam King et al. Integrated Public Use Microdata Series, Current Population Survey 2013.

II. Disabled or Economically Disadvantaged Youth

During 2015, contractors did not report labor hours for the participation of apprentices identified as disabled or economically disadvantaged youth. Contractors can assess eligibility for members of these groups by talking directly to the apprentice to determine his or her qualification as a member of either group (economically disadvantaged youth or disabled persons). However, contractors are generally reluctant to ask questions that probe into these sensitive areas to identify members of these groups. Although the data is speculative, anecdotal evidence supports this assumption. The number and labor hours for Disabled Persons and Economically Disadvantaged Youth are included in data reported for other populations.

Section 4: IMPLEMENTATION PROCESS AND CHALLENGES

I. Compliance with Apprentice Utilization Rates by Contractors

The report appendix includes a profile for each construction project subject to apprenticeship requirements in 2015. The data reveals that contractors are exceeding expectations for apprentices working on these King County-funded public works projects. In 2015, the required percentage rate for these public works projects was 12.4%. Prime contractors collectively achieved 17.5% apprenticeship participation in 2015, surpassing the required rate by 5.1%.

Apprenticeship Requirements

To participate in the Apprenticeship Program, prime contractors and their subcontractors are required to achieve an established apprenticeship requirement stated as a percent of the total labor hours for the project. The program contains provisions for contractors who encounter situations in which they are unable to obtain enough apprentices to meet the established requirement.

The process to establish apprenticeship requirements permits flexibility based on the project size and scope, duration, trades and crafts involved, and awaited labor hours. The process ensures that the set level of utilization is realistic and consistent with the scope of work, trades, and crafts involved.

Contractors with apprenticeship requirements on their projects submit Apprenticeship Utilization Plans (AUP) that identifies each trade and the corresponding number of apprentices projected to meet the apprenticeship requirement. King County only accepts a reasonable and achievable AUP after the prime contractor has identified all subcontractors committed to using apprentices to achieve the established requirements.



King County may implement the use of sanctions against contractors who fail to comply with the established apprenticeship requirements. Sanctions include the use of liquidated damages specified in the contract, and in extreme cases of violation, may include suspension or debarment. During this report period, King County did not apply sanctions to any prime contractors.

Cycle of Construction Projects

The cycle of construction projects has an impact on the overall apprenticeship rate. The overall percentage of contractors who met or exceeded the apprenticeship requirements established for their projects at year end was 73.1%. A majority of the difference between contractors' full achievement of apprenticeship requirement and the achievement percentage at the end of the reporting year is attributed to multi-year nature of many construction projects. Some of the larger public works projects active during the report period are multi-year projects awarded in earlier years. Other projects extend beyond the current report period, and some that awarded near the end of the report period may be in the beginning phase of construction. Prime

contractors and their subcontractors may hire additional apprentices at later stages in the construction process.

II. Challenges Encountered by Participating Apprentices

A means to capture and resolve challenges faced by apprentices and to encourage their continued participation in the industry is an ongoing challenge for King County and other jurisdictions. While all apprentices experience these challenges to some degree, they seem to be especially common for women.



- Recruitment of Women. Recruiting more women into the trades is a key challenge to address, beginning in the high schools.
- Satisfactory Training and Job Assignments. Many women apprentices have an unclear understanding of the skills progression they are expected to learn on the job as they may not receive the same skill-level assignments or continuity of training as their male counterparts. As a result, women apprentices who attain journey-level status without the requisite skills find that they are less employable at the end of their apprenticeships.
- Unstable Employment. Unemployment is a fact in the construction trades. Journey-level women are more often the first to be laid off, compounded by the lack of accountability for on-the-job-training that is necessary to be employable in the job market.
- Absence of Women in Leadership Positions. There is a need for more women in leadership positions on jobsites, in apprenticeship programs and unions.
- Lack of Mentors and Support Systems. Support systems are needed for women apprentices to include mentoring opportunities and information sharing about how to negotiate the apprenticeship system.
- Deficiency of Family Workplace Policies. Childcare is a significant challenge for women apprentices with young children, due to costs and hours of operation that do not fit long construction work hours.

King County is addressing this challenge by providing annual financial support to the Office of Port Jobs that supports the Apprenticeship Opportunities Project (AOP). AOP was created in the mid 1990's to help low-income individuals, women, and people of color enter and succeed in apprenticeship and trades-related jobs in King County. AOP is operated by Apprenticeship and Non-Traditional Employment for Women (ANEW), one of the oldest pre-apprenticeship programs serving women in the nation. Port Jobs specifically contracts with ANEW to operate AOP. In 2015, AOP placed 91 individuals. The top three apprenticeship placements by trade in 2015 were carpenters, laborers and electricians. AOP also promotes the retention of these low-income individuals, women, and people of color by providing case management and financial

assistance for items associated with retaining a trades-related job, such as dues, car maintenance, and educational expenses.

King County recently commissioned a study to obtain a forecast of the construction employment demand in King County and the tri-county region. In King County, there is projected to be 85,300 construction jobs by 2020. It is estimated that the majority of these jobs will be construction-specific, such as carpenters and pipefitters. Comparing the projected labor demand with the anticipated sources of labor supply for construction jobs, King County is expected to face a chronic shortage of skilled construction workers for the near future. This projected labor shortage provides an opportunity for the County to develop strategies that can help to decrease the projected shortage in construction jobs. To address this shortage, King County is considering implementing a Priority Hire initiative. Priority Hire is a workforce policy strategy that is designed to improve access to employment and training opportunities in the construction industry for workers needing family-wage jobs, by prioritizing the hiring of residents who live in economically distressed areas of King County. It is also referred to as Targeted Hire.

Increasing the participation of these historically economically disadvantaged groups is important because, although unemployment in King County has dropped significantly in recent years, there are many communities that have not equally benefited from the region's growing economy. Priority Hire will support the County's overall equity and social justice goals and use a workforce that lives in our region. The use of this workforce policy strategy will be a focus in future Annual Apprenticeship Reports.

Section 5: Number of Indentured Apprentices during the Report Period

The Washington State Department of Labor and Industries (L&I), through the Washington State Apprenticeship and Training Council (SAC) collects and tracks statistics on newly indentured and graduated apprentices. L&I provides data on the number of indentured (registered) apprentices into SAC-approved apprenticeship programs and the number of apprentices receiving completion certificates to journey level status. The table below displays data for 2015 reported by L&I for Washington State, including those who performed work on King County contracts.

L&I reports there were 13,710 active apprentices for the 12-month period ending December 31, 2015. Of this number, 1,297 are women and 3,440 are minorities. Table 3 below contains data reported by L&I for each quarter in 2015 on the number of registered and graduated apprentices

Table 3 – Registered and Graduated Apprentices

12-month Period Ending December 31, 2015		
Data Reported by the Washington State Department of Labor and Industries		
Period	Registered Apprentices	Graduated Apprentices
Q1 <i>(Jan – Mar '15)</i>	1022	161
Q2 <i>(Apr – Jun '15)</i>	1170	150
Q3 <i>(Jul – Sep '15)</i>	1424	148
Q4 <i>(Oct – Dec '15)</i>	830	108

L&I for Washington State reports that the building and construction trade occupations continue to drive numbers in terms of total completions or journey level credentials issued.

APPENDIX A: GLOSSARY

ACRONYMS

AOP	Apprenticeship Opportunities Project
AUP	Apprentice Utilization Plan
AUR	Apprentice Utilization Report
CITC	Construction Industry Training Council
CSO	Combined Sewer Overflow
DNRP	Department of Natural Resources and Parks
DOT	Department of Transportation
EDY	Economically Disadvantaged Youth
FHWA	Federal Highway Administration
FMD	Facilities Management Division
MUR	Monthly Utilization Report
PWD	Persons with Disabilities
WSATC	Washington State Apprenticeship and Training Council

DEFINITIONS

Administrator

The Director of the Finance and Business Operations Division

Apprentice

A person who has signed a written Apprenticeship Agreement and enrolled in a training program approved by the Washington State Apprenticeship and Training Council to learn a skilled craft or trade.

Apprentice Hiring Goal(s)

The specific goals established by the County for persons with disabilities, economically disadvantaged youth, women and minorities to participate as apprentices on County public work contracts. The goals are a percent of the Apprentice Utilization Requirements for the Contract.

Apprenticeship Program and Requirements

The County's plan for administering King County Code 12.16.150-180 and setting forth compliance requirements for Apprentice Utilization on selected County public work contracts. All actions and efforts required by the contractor as defined by King County Code 12.16.150-180 and the contract language for specific King County contracts.

Apprentice Utilization Requirements

The overall percentage of labor hours established for the Contract for work by apprentices. The requirement is a percentage of the total labor hours for the Contract.

Best Efforts

The strongest possible efforts that Contractors can reasonably make to meet the Apprentice Utilization Requirements and the Apprentice Hiring Goals established for each public works contract selected for participation in the Apprenticeship Program.

Economically Disadvantaged Youth

Those persons (18-24 years old) whose annual family income does not exceed the income guidelines for the Federal Free and Reduced Lunch Program, and who have significant barriers to employment, as defined by the Federal Job Training Partnership Act (JTPA).

Labor Hours

The total number of projected or actual hours for all trades or crafts worked by persons who receive an hourly wage and who are employed on a public works project site. This shall also include hours worked by persons employed by subcontractors on the project.

APPENDIX B: PROJECTS SUBJECT TO APPRENTICESHIP REQUIREMENTS IN 2015

The following tables provide information on public works projects subject to the apprenticeship requirements during the report period. These tables include statistical data on the percentage of labor hours performed by apprentices and the total number of project labor hours worked for the period January 1, 2015 through December 31, 2015.

In addition, each table reports data on the cumulative apprenticeship rate for each project as of December 31, 2015.

C00612C11 – Barton Pump Station Upgrade

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Barton Pump Station Upgrade
 Contract Number: C00612C11
 Prime Contractor: Prospect Construction Inc
 Contract Award Amount: \$12,697,078
 Execution Date: June 4, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 24.21%
Construction Completed: 51.00%
 ***Cumulative Apprenticeship Rate: 19.73%

Upgrade an existing pump station including replacement of existing pumps with larger units. The project will add a standby power generator and a significantly upgraded odor control system. A new underground structure adjacent to the pump station will be constructed to house the standby generator and odor control system. The pump station interior will be modified to improve safety and protect equipment. Electrical systems will be upgraded, including replacement of motor control centers, main control panels and variable speed drives. Enlargement of station structure to house force main valve modifications.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	3,657.00	1,848.00	1,809.00	49.47%	2	0.00	0.00%	0.00	0.00%
Cement Finishers	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	527.00	527.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	822.00	822.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	85.00	85.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	102.00	0.00	102.00	100.00%	1	0.00	0.00%	102.00	100.00%
Insulation (Heat and Frost) Worker	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,011.00	1,011.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	486.50	486.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	275.00	275.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	469.50	469.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	148.00	148.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	25.00	25.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	233.00	233.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Total	7,893.00	5,982.00	1,911.00	24.21%	3	0.00	0.00%	102.00	5.34%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00678C12 - Factoria Recycling and Transfer Station

Department Name: Natural Resources & Parks
 Division: Solid Waste Division
 Project Name: Factoria Recycling and Transfer Station
 Contract Number: C00678C12
 Prime Contractor: PCL Construction Services, Inc.
 Contract Award Amount: \$49,649,999
 Execution Date: July 7, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 19.34%
Construction Completed:

***Cumulative Apprenticeship Rate: 19.41%

New Factoria recycling and transfer station authorized by King County Ordinance 17830.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Acoustical Applicator	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Brick Layer	82.00	0.00	82.00	100.00%	2	0.00	0.00%	0.00	0.00%
Carpenter	21,937.00	17,933.00	4,004.00	18.25%	10	16.00	0.40%	2,681.50	66.97%
Carpenter, Scaffold Erector	104.00	0.00	104.00	100.00%	2	0.00	0.00%	88.00	84.62%
Cement Mason	3,092.50	2,285.00	807.50	26.11%	11	294.00	36.41%	580.50	71.89%
Concrete Boom Pumper	351.30	351.30	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	2,652.50	0.00	2,652.50	100.00%	2	0.00	0.00%	706.50	26.64%
Drywall Finisher	38.00	0.00	38.00	100.00%	1	0.00	0.00%	38.00	100.00%
Drywall Installer/taper	2,474.00	2,474.00	0.00	0.00%	0	0.00	-	0.00	-
Electric Lineman	8.50	8.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	8,766.50	8,766.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	11,029.90	11,029.90	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	55.30	55.30	0.00	0.00%	0	0.00	-	0.00	-
Flagger	1,657.50	1,657.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	713.10	713.10	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	43.00	0.00	43.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	4,187.50	0.00	4,187.50	100.00%	11	748.50	17.87%	646.00	15.43%
Insulation (Heat and Frost) Worker	68.00	68.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	5,649.00	5,649.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	2,998.00	487.50	2,510.50	83.74%	30	554.50	22.09%	904.00	36.01%
Laborer	15,401.50	13,079.50	2,322.00	15.08%	6	486.00	20.93%	594.50	25.60%
Operator	345.00	345.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	277.25	277.25	0.00	0.00%	0	0.00	-	0.00	-
Painter	1,302.00	1,302.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	104.00	104.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	4,582.00	3,859.50	722.50	15.77%	3	0.00	0.00%	70.50	9.76%
Pointer/Cleaner/Caulker	8.00	0.00	8.00	100.00%	1	0.00	0.00%	8.00	100.00%
Roofer	3,536.60	3,536.60	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	973.00	0.00	973.00	100.00%	6	56.00	5.76%	462.00	47.48%
Sprinkler Fitter	715.50	289.50	426.00	59.54%	4	0.00	0.00%	0.00	0.00%
Surveyor	208.00	208.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	4,235.10	4,235.10	0.00	0.00%	0	0.00	-	0.00	-
Total	97,603.55	78,723.05	18,880.50	19.34%	90	2,155.00	11.41%	6,779.50	35.91%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00762C14 – Fremont Siphon Replacement & Odor Control Facility

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Fremont Siphon Replacement & Odor Control Facility
 Contract Number: C00762C14
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$21,722,000
 Execution Date: January 15, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 11.16%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 12.10%

construct the replacement to the existing Fremont Siphon and
 construct a new odor control facility.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Asbestos Worker	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	269.50	201.50	68.00	25.23%	1	0.00	0.00%	68.00	100.00%
Carpenter, Piledriver	358.50	0.00	358.50	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	10,023.75	10,023.75	0.00	0.00%	0	0.00	-	0.00	-
Flagger	776.80	776.80	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	11,802.25	9,266.75	2,535.50	21.48%	7	0.00	0.00%	1,022.50	40.33%
Landscaper	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	6.80	6.80	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	451.50	451.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	144.50	144.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	2,734.20	2,734.20	0.00	0.00%	0	0.00	-	0.00	-
Tree Trimmer	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Total	26,608.80	23,638.80	2,970.00	11.16%	10	0.00	0.00%	1,090.50	36.72%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00794C13 - Barton Combined Sewer Overflow Control Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Barton Combined Sewer Overflow Control Project
 Contract Number: C00794C13
 Prime Contractor: Goodfellow Bros., Inc.
 Contract Award Amount: \$5,107,443
 Execution Date: October 1, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2015 7.60%
Construction Completed: 0.00%
 ***Cumulative Apprenticeship Rate: 8.21%

The purpose of this project is to intercept and infiltrate neighborhood stormwater runoff via Green Stormwater Infrastructure (GSI) before runoff reaches the combined sewer, thereby reducing Combined Sewer Overflow (CSO) events at the Barton pump station.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	225.00	225.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,205.75	1,205.75	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,059.00	756.00	303.00	28.61%	1	0.00	0.00%	303.00	100.00%
Landscaper	1,172.00	1,172.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	237.60	237.60	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	20.50	20.50	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	20.50	20.50	0.00	0.00%	0	0.00	-	0.00	-
Total	3,989.35	3,686.35	303.00	7.60%	1	0.00	0.00%	303.00	100.00%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00806C13 - North Base HVAC Replacement and Electrical Upgrades

Department Name: Transportation
 Division: Transit Division
 Project Name: North Base HVAC Replacement and Electrical Upgrades
 Contract Number: C00806C13
 Prime Contractor: Design Air Ltd.
 Contract Award Amount: \$7,744,452
 Execution Date: August 16, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 10.43%
Construction Completed: 5.00%
 ***Cumulative Apprenticeship Rate: 17.60%

Construction, and replacement of HVAC systems and electrical system upgrades at the NB.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	491.00	491.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	2.00	0.00	2.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Limited Energy/Sound & Comm Te	16.00	0.00	16.00	100.00%	2	0.00	0.00%	8.00	50.00%
Pipe fitter	218.00	218.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	63.00	63.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	30.50	30.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	474.00	350.50	123.50	26.05%	1	0.00	0.00%	0.00	0.00%
Telecommunications Technician	103.50	103.50	0.00	0.00%	0	0.00	-	0.00	-
Total	1,434.00	1,284.50	149.50	10.43%	5	0.00	0.00%	8.00	5.35%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00807C13 - Murray CSO Control Facility

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Murray CSO Control Facility
 Contract Number: C00807C13
 Prime Contractor: Shimmick Construction Company, Inc
 Contract Award Amount: \$26,115,000
 Execution Date: September 26, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 17.68%
Construction Completed: 0.00%
 ***Cumulative Apprenticeship Rate: 15.57%

Construct a one million gallon below grade combined sewage storage tank and connection of the tank to the existing Murray Avenue Pump Station and influent sewers.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	18,729.00	15,151.50	3,577.50	19.10%	7	106.00	2.96%	3,211.00	89.76%
Carpenter, Piledriver	102.00	0.00	102.00	100.00%	1	0.00	0.00%	0.00	0.00%
Cement Finishers	364.00	364.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	1,085.50	973.50	112.00	10.32%	3	0.00	0.00%	8.00	7.14%
Electrician	3,869.00	3,869.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	501.60	501.60	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	2,084.50	0.00	2,084.50	100.00%	2	2,084.50	100.00%	0.00	0.00%
Inside Wire-man	588.00	0.00	588.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	4,001.50	4,001.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	1,231.50	437.00	794.50	64.51%	16	42.00	5.29%	135.50	17.05%
Laborer	13,914.75	11,963.50	1,951.25	14.02%	12	394.50	20.22%	1,099.25	56.34%
Operator	5,324.50	5,324.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	113.00	113.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	68.00	68.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	51.10	51.10	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	65.50	65.50	0.00	0.00%	0	0.00	-	0.00	-
Total	52,098.95	42,889.20	9,209.75	17.68%	42	2,627.00	28.52%	4,453.75	48.36%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00822C13 - South Magnolia CSO Control Project Storage Facility

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: South Magnolia CSO Control Project Storage Facility
 Contract Number: C00822C13
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$12,516,600
 Execution Date: November 20, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 26.26%
Construction Completed: 0.00%
 ***Cumulative Apprenticeship Rate: 17.93%

This project is to construct a CSO storage facility.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	8,676.00	5,072.00	3,604.00	41.54%	5	0.00	0.00%	16.00	0.44%
Carpenter, Piledriver	159.00	0.00	159.00	100.00%	3	0.00	0.00%	1.00	0.63%
Cement Mason	66.50	66.50	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	208.20	208.20	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	269.00	269.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,465.50	1,465.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	3,588.00	3,588.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	113.50	113.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	466.50	0.00	466.50	100.00%	3	0.00	0.00%	386.50	82.85%
Insulation Worker	129.00	129.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	48.00	0.00	48.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	924.00	924.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	500.00	0.00	500.00	100.00%	8	0.00	0.00%	0.00	0.00%
Laborer	7,336.00	5,351.00	1,985.00	27.06%	4	0.00	0.00%	939.50	47.33%
Other Trade	600.50	600.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	721.50	721.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	309.00	0.00	309.00	100.00%	1	0.00	0.00%	309.00	100.00%
Pile Driver Operator	540.50	540.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	157.50	157.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	163.00	163.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	431.00	431.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	237.00	0.00	237.00	100.00%	1	0.00	0.00%	0.00	0.00%
Steamfitter	1.00	0.00	1.00	100.00%	1	1.00	100.00%	0.00	0.00%
Surveyor	68.00	68.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	608.10	608.10	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	3.50	3.50	0.00	0.00%	0	0.00	-	0.00	-
Total	27,830.30	20,520.80	7,309.50	26.26%	27	1.00	0.01%	1,652.00	22.60%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00823C13 - South Magnolia CSO Control Conveyance Pipeline

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: South Magnolia CSO Control Conveyance Pipeline
 Contract Number: C00823C13
 Prime Contractor: Walsh Construction Co II LLC
 Contract Award Amount: \$10,300,000
 Execution Date: April 10, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2015 6.88%
Construction Completed:

***Cumulative Apprenticeship Rate: 5.43%

South Magnolia CSO Control Conveyance Pipeline, Bid Schedule B - HDD Option

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	3,199.00	3,199.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	12.50	12.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	612.00	0.00	612.00	100.00%	1	0.00	0.00%	612.00	100.00%
Electrician	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wireman	122.50	122.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	303.50	248.50	55.00	18.12%	2	0.00	0.00%	5.50	10.00%
Laborer	1,958.25	1,853.25	105.00	5.36%	1	0.00	0.00%	105.00	100.00%
Landscaper	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Medium/Heavy Diesel Mechanic	37.00	37.00	0.00	0.00%	0	0.00	-	0.00	-
Ocularist (Artificial Eye Maker)	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	2,802.60	2,802.60	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	155.50	155.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	342.50	342.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,042.25	1,042.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	385.00	385.00	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	159.75	159.75	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	31.75	31.75	0.00	0.00%	0	0.00	-	0.00	-
Total	11,215.10	10,443.10	772.00	6.88%	4	0.00	0.00%	722.50	93.59%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00829C14 – North Creek Interceptor Sewer Improvement Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: North Creek Interceptor Sewer Improvement Project
 Contract Number: C00829C14
 Prime Contractor: Frank Coluccio Construction, Inc.
 Contract Award Amount: \$29,933,000
 Execution Date: January 13, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 16.01%
Construction Completed:

***Cumulative Apprenticeship Rate: 16.01%

The project includes construction of approximately 10,000 feet of new sewer line, along with connecting this new line to previously constructed pipe.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Boilermaker (Field Const/Repair)	81.50	0.00	81.50	100.00%	1	0.00	0.00%	0.00	0.00%
Carpenter	346.00	346.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,008.00	0.00	1,008.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	557.00	557.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	12,635.90	12,635.90	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	16.50	0.00	16.50	100.00%	1	0.00	0.00%	16.50	100.00%
Laborer	20,301.80	15,765.80	4,536.00	22.34%	13	985.00	21.72%	884.00	19.49%
Operator	3,698.00	3,698.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	48.50	48.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	763.50	763.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	3,237.20	3,237.20	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	1,741.00	0.00	1,741.00	100.00%	1	1,741.00	100.00%	0.00	0.00%
Truck Driver	1,534.80	1,534.80	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	139.50	139.50	0.00	0.00%	0	0.00	-	0.00	-
Total	46,109.20	38,726.20	7,383.00	16.01%	17	2,726.00	36.92%	900.50	12.20%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00834C13 - North Beach CSO Control Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: North Beach CSO Control Project
 Contract Number: C00834C13
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$9,662,000
 Execution Date: December 5, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 18.68%
Construction Completed: 0.00%
 ***Cumulative Apprenticeship Rate: 17.01%

This project is to construct a CSO storage tank with pumping facilities and connection to the existing North Beach Pump Station.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	11,283.00	7,115.00	4,168.00	36.94%	3	0.00	0.00%	1,949.00	46.76%
Carpenter, Piledriver	24.30	24.30	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	125.50	125.50	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	196.60	196.60	0.00	0.00%	0	0.00	-	0.00	-
Drywall Finisher	26.00	0.00	26.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	100.00	100.00	0.00	0.00%	0	0.00	-	0.00	-
Electric Lineman	35.50	35.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	4,707.50	4,707.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	5,851.10	5,851.10	0.00	0.00%	0	0.00	-	0.00	-
Flagger	48.50	48.50	0.00	0.00%	0	0.00	-	0.00	-
Glazier	48.00	48.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	1,741.60	0.00	1,741.60	100.00%	10	0.00	0.00%	216.00	12.40%
Insulation Worker	19.50	19.50	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	422.50	422.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	122.00	0.00	122.00	100.00%	2	0.00	0.00%	0.00	0.00%
Irrigation Pump Installer	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	6,565.25	6,201.25	364.00	5.54%	2	0.00	0.00%	285.00	78.30%
Landscaper	463.00	463.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	75.90	75.90	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	134.75	134.75	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	187.75	187.75	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	182.00	182.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	245.50	219.00	26.50	10.79%	1	0.00	0.00%	26.50	100.00%
Surveyor	162.00	162.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,699.70	1,699.70	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	3.80	3.80	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Total	34,527.25	28,079.15	6,448.10	18.68%	19	0.00	0.00%	2,476.50	38.41%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00837C13 – North Creek Force Main Condition Assessment

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: North Creek Force Main Condition Assessment
 Contract Number: C00837C13
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$1,448,600
 Execution Date: May 18, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2015 20.12%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 20.44%

Construction of access to two (2) existing parallel 30-inch diameter epoxy-lined mortar-coated steel pipelines at seven (7) locations, and closed circuit television (CCTV) inspection from these locations.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	24.00	0.00	24.00	100.00%	1	0.00	0.00%	24.00	100.00%
Equipment Operator	645.50	645.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	936.50	615.50	321.00	34.28%	4	0.00	0.00%	301.00	93.77%
Other Trade	94.50	94.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Total	1,714.50	1,369.50	345.00	20.12%	5	0.00	0.00%	325.00	94.20%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00851C13 - WPTP Raw Sewage Pump Engine Emissions Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: WPTP Raw Sewage Pump Engine Emissions Project
 Contract Number: C00851C13
 Prime Contractor: Prospect Construction Inc
 Contract Award Amount: \$3,353,591
 Execution Date: December 5, 2013
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 0.00%
Construction Completed: 0.00%
 ***Cumulative Apprenticeship Rate: 15.43%

WPTP Raw Sewage Pump Engine Emissions Project

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	13.25	13.25	0.00	0.00%	0	0.00	-	0.00	-
Electrician	373.00	373.00	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Technician	17.50	17.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	76.00	76.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Total	548.25	548.25	0.00	0.00%	0	0.00	-	0.00	-

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00853C13 - King County Correctional Facility HVAC Equipment Replacement

Department Name: Executive Services
 Division: Facilities Management Division
 Project Name: King County Correctional Facility HVAC Equipment Replacement
 Contract Number: C00853C13
 Prime Contractor: Shinn Mechanical, Inc.
 Contract Award Amount: \$6,120,400
 Execution Date: March 3, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 26.71%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 23.09%

KC Correctional Facility HVAC Equipment Replacement. Funding sources include KC Major Maintenance Reserve Funds and \$3 million federal QECB (energy savings bond) funds.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	574.00	566.00	8.00	1.39%	1	0.00	0.00%	0.00	0.00%
Electrician	2,102.00	2,102.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	2,779.70	2,779.70	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	601.00	0.00	601.00	100.00%	7	0.00	0.00%	297.00	49.42%
Insulation (Heat and Frost) Worker	249.00	249.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	438.00	438.00	0.00	0.00%	0	0.00	-	0.00	-
Limited Energy/Sound & Comm Te	297.00	0.00	297.00	100.00%	1	0.00	0.00%	0.00	0.00%
Other Trade	33.00	33.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	1,859.00	1,859.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	1,510.00	280.00	1,230.00	81.46%	2	0.00	0.00%	706.00	57.40%
Plumber	210.50	210.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	969.00	0.00	969.00	100.00%	3	0.00	0.00%	79.50	8.20%
Total	11,624.20	8,519.20	3,105.00	26.71%	14	0.00	0.00%	1,082.50	34.86%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00858C13 - Atlantic Base Maintenance Building Roof Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: Atlantic Base Maintenance Building Roof Replacement
 Contract Number: C00858C13
 Prime Contractor: V & R Sheet Metal, LLC
 Contract Award Amount: \$1,719,815
 Execution Date: June 20, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2015 0.00%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 36.76%

Replacement of Metro Transit Atlantic Base roof system.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Roofer	6.50	6.50	0.00	0.00%	0	0.00	-	0.00	-
Total	6.50	6.50	0.00	0.00%	0	0.00	-	0.00	-

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00862C14 – South Treatment Plant Raw Sewage Pumps & Drives Replacement

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: South Treatment Plant Raw Sewage Pumps & Drives Replacement
 Contract Number: C00862C14
 Prime Contractor: Harbor Pacific Contractors Inc
 Contract Award Amount: \$9,108,000
 Execution Date: August 28, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 13.05%
Construction Completed:

***Cumulative Apprenticeship Rate: 12.60%

The purpose of this project is to upgrade three of the six raw sewage pumps; replace the clutches with VFD's; upgrade the building HVAC system, replace switchgear 137*036 which provides power to the Administration, Maintenance and Influent buildings; replace wiring and cable; add control instrumentation as shown on the drawings

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	62.50	62.50	0.00	0.00%	0	0.00	-	0.00	-
Electric Lineman	38.00	38.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	3,140.00	3,140.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	540.25	540.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	699.00	0.00	699.00	100.00%	6	0.00	0.00%	48.00	6.87%
Iron Worker	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	96.00	64.00	32.00	33.33%	1	0.00	0.00%	0.00	0.00%
Laborer	1,313.00	1,313.00	0.00	0.00%	0	0.00	-	0.00	-
Limited Energy/Sound & Comm Te	24.00	0.00	24.00	100.00%	1	0.00	0.00%	0.00	0.00%
Millwright	320.00	320.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	350.00	350.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	819.00	748.50	70.50	8.61%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	750.30	508.80	241.50	32.19%	3	0.00	0.00%	97.00	40.17%
Total	8,174.05	7,107.05	1,067.00	13.05%	12	0.00	0.00%	145.00	13.59%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00884C14 – STP Digesters, 2, 3, & Roof Equipment Replacement & Coating

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: STP Digesters 2, 3, & 4 Roof Equip Replacement & Coating
 Contract Number: C00884C14
 Prime Contractor: Shinn Mechanical, Inc.
 Contract Award Amount: \$2,787,480
 Execution Date: June 10, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 3.00%
Apprenticeship Rate: 2015 7.67%
Construction Completed:

***Cumulative Apprenticeship Rate: 7.62%

South Treatment Plant Digester Roof Equipment Replacement & Coating

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	1,036.00	977.00	59.00	5.69%	1	0.00	0.00%	0.00	0.00%
Cement Mason	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation Worker	56.00	56.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	54.00	54.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	58.00	58.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	3,845.20	3,845.20	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	940.50	940.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	501.50	0.00	501.50	100.00%	5	0.00	0.00%	7.00	1.40%
Plumber	1,151.50	1,129.50	22.00	1.91%	1	0.00	0.00%	0.00	0.00%
Total	7,700.70	7,110.20	590.50	7.67%	8	0.00	0.00%	7.00	1.19%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00893C14 – WPTP Control System Replacement EPS, Chlorination, Water Reuse, Incineration & Solid Building

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: WPTP Control System Replacement EPS, Chlorination, Water Reuse, Incineration & Solid Building
 Contract Number: C00893C14
 Prime Contractor: Valley Electric Company
 Contract Award Amount: \$1,779,677
 Execution Date: June 25, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%

Apprenticeship Rate: 2015 15.84%

Construction Completed:

***Cumulative Apprenticeship Rate: 15.82%

Install new Owner-furnished Ovation control system panels in the Solids Building area and Owner-furnished Ovation control component sub-panels and components inside of Liquids panels in the EPS Control Room, Chlorine Building, Water Reuse, North Chlorine Mix Structure areas and Solids Odor Control. Install Operator Shelter and HMI panel in the Water Reuse area and temporary field panels in the Chlorine Mix Structure areas. Cut over the control loops for processes in the EPS, Dechlorination, Hypochlorite, Water Reuse, Incinerator, Solids Thickening, Dewatering, Polymer handling and Truck loading areas to remove connection from the old PLCs and connect the new Ovation I/O. Demolish all abandoned control equipment and wire.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	1,629.00	1,629.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	286.00	0.00	286.00	100.00%	4	0.00	0.00%	150.00	52.45%
Laborer	58.50	58.50	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm	46.50	0.00	46.50	100.00%	2	0.00	0.00%	14.50	31.18%
Telecommunications Technician	78.50	78.50	0.00	0.00%	0	0.00	-	0.00	-
Total	2,098.50	1,766.00	332.50	15.84%	6	0.00	0.00%	164.50	49.47%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00894C14 - Ryerson Base Lift Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: Ryerson Base Lift Replacement
 Contract Number: C00894C14
 Prime Contractor: McClure and Sons Inc.
 Contract Award Amount: \$4,190,000
 Execution Date: September 28, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 16.99%

Construction Completed:

***Cumulative Apprenticeship Rate: 18.25%

Temporary Facilities; Demolition; Vaults; Lifts; Floor and Wall Coatings; Electrical

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	7,765.00	7,317.00	448.00	5.77%	1	0.00	0.00%	448.00	100.00%
Cement Mason	31.00	31.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,277.00	0.00	1,277.00	100.00%	1	1,277.00	100.00%	0.00	0.00%
Electrician	390.50	390.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	305.00	305.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	135.00	0.00	135.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	395.50	395.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	585.00	202.00	383.00	65.47%	5	69.00	18.02%	0.00	0.00%
Laborer	739.50	739.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,509.75	1,509.75	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe-fitter	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Total	13,200.25	10,957.25	2,243.00	16.99%	8	1,346.00	60.01%	448.00	19.97%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00918C14 - 2014 Countywide Hot Mix Asphalt Overlay

Department Name: Transportation
 Division: Road Services Division
 Project Name: 2014 Countywide Hot Mix Asphalt Overlay
 Contract Number: C00918C14
 Prime Contractor: Miles Resources, LLC
 Contract Award Amount: \$4,881,352
 Execution Date: August 7, 2014
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%

Apprenticeship Rate: 2015 3.92%

Construction Completed:

***Cumulative Apprenticeship Rate: 6.59%

provides for the improvement of 16.75 miles of roadway in King County by planning bituminous surfaces, removing raised pavement markers and plastic traffic

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	258.00	0.00	258.00	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	2,738.50	2,738.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	5,187.00	4,954.00	233.00	4.49%	4	50.50	21.67%	99.00	42.49%
Teamster/Truck driver	1,237.50	1,237.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	3,099.60	3,099.60	0.00	0.00%	0	0.00	-	0.00	-
Total	12,520.60	12,029.60	491.00	3.92%	5	50.50	10.29%	99.00	20.16%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00951C15 – 63rd PS VFDs and Control Instrumentation Improvements

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: 63rd PS VFD's and Control Instrumentation Improvements
 Contract Number: C00951C15
 Prime Contractor: Elcon Corporation
 Contract Award Amount: \$1,728,000
 Execution Date: August 25, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2015 27.56%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 27.56%

The Work at the 63rd Ave Pump Station includes, but is not limited to: Demolition of existing equipment (Mechanical, Electrical and Instrumentation & Control); Upgrade of Electrical and I&C systems at the pump station; Installation of a new access hatch, replacement of an existing hatch, and minor modifications to the roof of the structure.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	154.50	154.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	86.00	0.00	86.00	100.00%	2	0.00	0.00%	16.00	18.60%
Iron Worker	39.50	39.50	0.00	0.00%	0	0.00	-	0.00	-
Total	312.00	226.00	86.00	27.56%	2	0.00	0.00%	16.00	18.60%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00958C15 – Cedar Hills Regional Landfill Area 7 Stage 2 Closure and South Solid Waste Excavation

Department Name: Natural Resources & Parks
 Division: Solid Waste Division
 Project Name: Cedar Hills Regional Landfill Area 7 Stage 2 Closure and South Solid Waste Excavation
 Contract Number: C00958C15
 Prime Contractor: Goodfellow Bros., Inc.
 Contract Award Amount: \$11,203,090
 Execution Date: May 8, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2015 15.15%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 15.15%

The construction project consists of two integrated sites adjacent to one another at the Cedar Hills Regional Landfill. They will be managed under two schedules within the contract. Schedule A - Area 7 stage 2 closure major items of work include; grading 7.2 acres of slope face, placing 3.1 acres of GCL liner with a soil cover, 4.1 acres of LDPE liner, HDPE gas collection lines and drainage facilities. Schedule B - South Solid Waste Area excavation major items of work includes – excavation of 700,000 CY of refuse and soil as measured in place (material will be disposed of onsite), demolition of 1200 feet of 30 foot wide asphalt road along with fiber optic and water utility pipelines, and construction of 4000 feet of 30 foot wide asphalt road and construction of fiber optic and water 8 inch water utilities

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	3,330.50	0.00	3,330.50	100.00%	5	0.00	0.00%	931.00	27.95%
Electrician	228.00	228.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	9,401.00	9,401.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	529.50	529.50	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	348.00	0.00	348.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	132.00	0.00	132.00	100.00%	5	0.00	0.00%	0.00	0.00%
Laborer	6,296.00	6,296.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	150.50	150.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	4,382.00	4,382.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	13.00	13.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	197.50	197.50	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripier	108.50	108.50	0.00	0.00%	0	0.00	-	0.00	-
Total	25,156.50	21,346.00	3,810.50	15.15%	11	0.00	0.00%	931.00	24.43%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00971C15 – Construction of Aircraft Rescue Firefighting Facility - Rebid

Department Name: Transportation
 Division: King County International Airport
 Project Name: Construction of Aircraft Rescue Firefighting Facility - Rebid
 Contract Number: C00971C15
 Prime Contractor: Pease Construction, Inc.
 Contract Award Amount: \$4,536,165
 Execution Date: July 30, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 25.51%
Construction Completed:

***Cumulative Apprenticeship Rate: 25.50%

The project involves the demolition and construction of a new Airport Rescue and Firefighting Facility at King County International Airport at Boeing Field.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	1,267.00	790.50	476.50	37.61%	2	0.00	0.00%	0.00	0.00%
Carpenter, Piledriver	42.50	0.00	42.50	100.00%	1	42.50	100.00%	0.00	0.00%
Cement Mason	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	251.50	251.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	589.50	589.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	75.50	75.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	123.50	0.00	123.50	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	158.50	158.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	141.50	0.00	141.50	100.00%	2	0.00	0.00%	53.50	37.81%
Laborer	210.80	139.30	71.50	33.92%	3	39.00	54.55%	39.00	54.55%
Other Trade	50.50	50.50	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	170.50	170.50	0.00	0.00%	0	0.00	-	0.00	-
Plumber	151.75	113.50	38.25	25.21%	1	0.00	0.00%	0.00	0.00%
Surveyor	60.00	60.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	173.25	173.25	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Total	3,503.30	2,609.55	893.75	25.51%	10	81.50	9.12%	92.50	10.35%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00974C15 – Sinnema Quaale Upper Revetment Reconstruction

Department Name: Natural Resources & Parks
 Division: Water & Land Resources Division
 Project Name: Sinnema Quaale Upper Revetment Reconstruction
 Contract Number: C00974C15
 Prime Contractor: Scarsella Bros., Inc.
 Contract Award Amount: \$4,787,042
 Execution Date: June 11, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 14.00%
Construction Completed:

***Cumulative Apprenticeship Rate: 14.47%

Construction of the Sinnema Quaale Upper Revetment Reconstruction project

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	712.00	712.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	488.00	0.00	488.00	100.00%	3	0.00	0.00%	0.00	0.00%
Equipment Operator	3,276.60	3,276.60	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	1,409.50	0.00	1,409.50	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	5,741.80	5,293.30	448.50	7.81%	6	0.00	0.00%	348.00	77.59%
Landscaper	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,116.00	1,116.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	2,890.80	2,890.80	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	400.50	0.00	400.50	100.00%	1	0.00	0.00%	400.50	100.00%
Surveyor	544.50	544.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	163.80	163.80	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,841.30	1,841.30	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	1,023.80	1,023.80	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	3.50	3.50	0.00	0.00%	0	0.00	-	0.00	-
Total	19,617.10	16,870.60	2,746.50	14.00%	11	0.00	0.00%	748.50	27.25%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00977C15 – Tokul Creek Trestle Rehabilitation Snoqualmie Valley Trail

Department Name: Natural Resources & Parks
 Division: Parks & Recreation
 Project Name: Tokul Creek Trestle Rehabilitation Snoqualmie Valley Trail
 Contract Number: C00977C15
 Prime Contractor: Massana Construction, Inc.
 Contract Award Amount: \$1,695,504
 Execution Date: August 6, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 14.86%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 15.22%

Bridge project includes the replacement of multiple structural timbers, addition of steel beams for increasing the load rating for existing concrete deck panels, and the addition of 7" concrete grade beams at six (6) foundation locations. An additional alternative will also be in place to paint the existing steel girder portion of the bridge. Work site: Snoqualmie Valley Trail, Tokul Creek, Washington.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	2,015.50	1,601.00	414.50	20.57%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	240.50	240.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	490.50	490.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
Total	2,788.50	2,374.00	414.50	14.86%	1	0.00	0.00%	0.00	0.00%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

C00998C15 – EastBase O&M Roof Replacement Rebid

Department Name: Transportation
 Division: Transit Division
 Project Name: East Base O&M Roof Replacement REBID
 Contract Number: C00998C15
 Prime Contractor: V & R Sheet Metal, LLC
 Contract Award Amount: \$2,122,202
 Execution Date: August 21, 2015
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2015 27.56%
Construction Completed:

***Cumulative Apprenticeship Rate: 27.55%

Replace 61,500 square foot built-up system with a hot-mopped, modified built-up roof system with reflective gravel surfacing, and additional insulation. Work site: Metro Transit East Base 1975 124th Avenue Northeast, Bellevue, WA.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	109.00	109.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	170.80	170.80	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	222.80	222.80	0.00	0.00%	0	0.00	-	0.00	-
HVAC Test, Adjust and Balance Technician	54.00	0.00	54.00	100.00%	1	54.00	100.00%	54.00	100.00%
Laborer	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	43.00	43.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	6,074.25	4,335.50	1,738.75	28.62%	14	0.00	0.00%	1,115.25	64.14%
Sheet Metal Worker	73.00	0.00	73.00	100.00%	1	73.00	100.00%	0.00	0.00%
Total	6,769.85	4,904.10	1,865.75	27.56%	16	127.00	6.81%	1,169.25	62.67%

Notes:

*Hours for Women include minority females

**% of Women and Minorities participation is percent of total apprentice hours

*** Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date