



King County

2012

Annual Apprenticeship Report



Department of Executive Services
Finance and Business Operations
Division

Business Development and Contract
Compliance Section

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SUMMARY



The King County Apprenticeship Program is essential to my economic development initiative to create jobs and restore our local economy.

Dow Constantine, King County Executive

Creating jobs is one key to a strong local community.

King County's apprenticeship program offers job training together with 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.

Our region needs a highly skilled workforce to build and maintain our communities, infrastructure and economy. Apprenticeship strengthens communities by providing career paths for persons seeking job training while also earning a family wage. Many contractors and subcontractors engaged on County-funded construction projects participate in established state approved apprenticeship programs. These programs use state-approved standards that outline the on-the-job and classroom training provided to apprentices registered for the program, and the progress by apprentices that is required to complete the program. The standards also specify the wages paid to the apprentices. These wages increase as the apprentices demonstrate progress on-the-job and in the classroom. Apprentices that complete training obtain certification as journey-level workers in their respective trade—a certification that is nationally recognized. An essential component of the program is the inclusion of minorities, women, persons with disabilities and economically disadvantaged youth.

In 2012, King County applied apprenticeship requirements to 31 of its public works projects. These projects represent more than \$540 million in County construction services. The results of these efforts are the highlights of King County's Apprenticeship Program in 2012:

- 58,565 apprentice labor hours worked;
- 11.8% apprentice participation rate; surpassing the 11.5% overall required rate by 0.3%;
- 258 participating apprentices; and,
- 36.7% participation rate by minority and women apprentices

Apprenticeship has a long history of providing structured, highly competent, safe and comprehensive occupational training, and of producing highly skilled journey-level workers. King County's Apprenticeship Program is committed to fostering partnerships with labor, business, and the local community to create a skilled workforce that reflects the diversity of the County's population.

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 the determining factors in the establishment of apprenticeship requirements. Construction projects valued at less than \$1 million dollars may be subject to the apprenticeship requirements if the project is of sufficient duration and has a sufficient number of labor hours in a specific trade(s) to support the use of apprentices.

This report details the performance of the King County Apprenticeship Program in 2012 and provides statistics on the following:

- (a) The number and kinds of public works projects on which the County apprenticeship requirements were established;
- (b) The percentage of labor hours actually worked by apprentices on select County construction projects and the total number of labor hours on each project;
- (c) The number of apprentices categorized by trade and craft and the number and percentage of minorities, women, persons with disabilities and economically disadvantaged youth;
- (d) A description of problems encountered in implementing the apprenticeship requirements;
- (e) A description of barriers apprentices encounter and the steps taken to resolve them.

King County does not monitor certified payrolls for contractors; therefore, this report does not include information on the wages paid by category of work or trade.

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 Issues

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 apprenticeship requirements during the reporting period.

2012 General Summary

Total Labor Hours on KC Projects	494,976
Actual Apprentices Hours Worked	58,565
Actual Apprentices Hours Percentage	11.83%
Required Apprenticeship Percentage 11.5%	56,922
[1]Number of Apprentices	258



Apprentice Population Summary

Population	Number	Hours	% Hours
Caucasian Men	157	37,076	63.31%
Caucasian Women	11	3,685	6.29%
[2]Disabled Persons	-	-	Not in total
Disadvantaged Youth	-	-	Not in total
Minority Men	74	17,509	29.90%
Minority Women	1	295	0.50%
Subtotal Minorities	75	17,803	30.40%

Apprentice Hours by Race

	Asian	Black	Hispanic	Native	Other
Minority Men	96	5,789	9,198	1,435	991
Minority Women	0	295	0	0	0
Subtotal Minorities	96	6,084	9,198	1,435	991
% Apprentice Hours by Race:	0.16%	10.39%	15.71%	2.45%	1.69%

Department Summary	Projects	\$ Amount	Labor Hrs	No. Apprentices	Apprentice Hrs	% Use
Executive Services						
Facilities Management Division	3	\$6,039,031	5,627	11	798	14.18%
Subtotal	3	\$6,039,031	5,627	11	798	14.18%
Natural Resources & Parks						
Solid Waste Division	2	\$46,786,801	62,266	43	7,873	12.64%
Wastewater Treatment Division	13	\$429,254,663	294,526	118	34,975	11.87%
Subtotal	15	\$476,041,464	356,791	161	42,848	12.01%
Transportation						
King County International Airport	2	\$2,212,382	11,527	1	100	0.87%
Road Services Division	5	\$24,122,305	82,220	37	7,539	9.17%
Transit Division	6	\$32,170,491	38,810	48	7,280	18.76%
Subtotal	13	\$58,505,178	132,557	86	14,919	11.25%
Departments Total	31	\$540,585,673	494,976	258	58,565	11.83%

[1] Total number of Apprentices on King County Contracts during reporting year

[2] The number and labor hours for Disabled Persons and Disadvantaged Youth are included in data reported for other populations.

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

The majority of apprentice hours on highway and bridge projects, including roads, paving, and park and ride lots. These projects 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.



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

King County achieved an overall apprenticeship rate of 11.8% in 2012 for all public works projects subject to the apprenticeship requirements. These projects do not include work order contracts for construction services. Work order contracts subject to the apprenticeship requirements are included in this same section but reported separately.

The table below compares 2012 participation rates in labor hours and the number of apprentices employed on County public works projects in comparison to 2011.

Apprentice Participation	2011	2012	% Change from 2011
Number of Projects	30	31	3.3%
Total Labor Hours	993,649	494,976	-50.1%
Total Apprentice Labor Hours	141,721	58,565	-58.6%
Apprentice Participation Rate	14.3%	11.8%	-2.5%
Required Apprenticeship Percentage	11.5%	11.5%	0%
Apprentices Employed on County Projects	453	258	-43.4%

The number of King County construction projects subject to the apprenticeship requirement increased slightly from 30 in 2011 to 31 in 2012; and the total number of labor hours decreased dramatically from 993,649 to 494,976. The decrease of 498,673 labor hours worked on these projects represents a decline of 50.1%. This decline in total labor hours for construction projects is attributable to the number of these projects that entered the substantial completion phase of the construction cycle during the report period. Of the 31 construction projects identified in this section, 15 or almost half were in the substantial completion phase. Substantial completion means that stage in the progress of the work where only minor incidental correction or repair remains to complete. The apprenticeship rate at this stage is typically lower than in earlier phases of the project because fewer labor hours are required.

In 2012, apprentices worked 58,565 total labor hours compared to 141,721 total labor hours in 2011. This represents a 58.6% decrease in apprentice labor hours.

Correspondingly, in 2012, apprentices worked 11.8% of the total labor hours subject to the apprenticeship requirement, compared to 14.3% of all labor hours in 2011. This represents a 2.5% decrease.

The number of apprentices working on County construction projects decreased from 453 in 2011 to 258 in 2012. This change represents a decrease of 43.4% in the number of apprentices who participated in the program.

Section 2A: WORK ORDER CONTRACTS SUBJECT TO THE APPRENTICESHIP REQUIREMENTS AND TOTAL APPRENTICE LABOR HOURS

King County has identified another opportunity to bolster the number of projects and labor hours worked by apprentices. For the first time this report includes data for apprenticeship requirements on work order contracts. A work order contract allows the county to procure on-call public work services for plumbing, mechanical, electrical and other services, to resolve problems that arise unexpectedly and require a timely response. These contracts have a maximum dollar value and the County may award the contract for up to three years, one year at a time. Although the dollar value and duration are typically less than traditional construction projects, the county has seen success in establishing apprenticeship requirements on certain work order contracts.

The table below reports the 2012 participation rates in labor hours and the number of apprentices employed on County work order contracts.

WORK ORDER CONTRACTS	
Apprentice Participation	2012
Number of Projects	4
Total Labor Hours	10,584
Total Apprentice Labor Hours	1,816
Apprentice Participation Rate	17.2%
Required Apprenticeship Percentage	11.5%
Apprentices Employed on County Projects	13

Four work order contracts for construction services were subject to the apprenticeship requirement in 2012. The total number of labor hours performed on these work order contracts is 10,584. Apprentices performed 1,816 labor hours on these projects.

The required apprenticeship rate for these work order contracts is 11.5%. King County achieved an overall apprenticeship rate of 17.2% in 2012 for all work order contracts subject to the apprenticeship requirements. This means that prime contractors exceeded the required apprenticeship percentage established on these projects by 5.7%.

The number of apprentices employed on County work order projects was 13 in 2012.

Section 3: APPRENTICESHIP UTILIZATION AND PARTICIPATION BY POPULATIONS

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

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

- 5. Economically Disadvantaged Youth
- 6. Disabled persons

During the report period, there was a substantial decline in the number of apprentices and the total labor hours worked by all population groups shown below in Table 1- Apprentice Numbers and Labor Hours Worked by Groups.

In 2012, the total number of labor hours worked decreased by 498,673 from 2011 and the total number of apprentice hours worked declined by 83,156.

The number of total labor hours worked by minority men apprentices decreased from 31,547 in 2011 to 17,509 in 2012. The number of total labor hours worked by minority women apprentices decreased from 1,540 in 2011 to 295 in 2012. Although the total number and labor hours worked by minority apprentices declined from the previous program year, the overall participation rate of minority apprentices increased from a combined participation rate of 23.3% for minority women and men in 2011 to 30.4% in 2012. Included in the total labor hours worked by women apprentices are the numbers of labor hours worked by minority women.

Table-1 below contains data on the number of labor hours worked by members of each group and the percent of change between the year 2011 and 2012.

Table 1- Apprentice Numbers and Labor Hours Worked by Groups

Population	2011	2012	% Change	2011	2012	% Change
	No. Persons			Labor Hours		
Caucasian Men	299	157	-47.5%	94,865	37,076	-60.8%
Minority Men	119	74	-37.8%	31,547	17,509	-44.9%
Minority Women	10	1	-90.0%	1,540	295	-82.5%
Caucasian Women	25	11	-56.0%	13,770	3,685	-75.0%
Economically Disadvantaged Youth	-	-	-	-	-	¹ Not in total
Disabled Persons	-	-	-	-	-	Not in total

¹ The number and labor hours for Disabled Persons and Disadvantaged Youth are included in data reported for other populations.

Table-2 below contains data on the participation rate of members of each group and the percentage change from year 2011 and 2012.

Table 2 - Apprentice Participation Rate by Groups

Population	Population Rate		
	2011	2012	Change
Caucasian Men	66.9%	63.3%	-3.6%
Minority Men	22.3%	29.9%	7.6%
Minority Women	1.1%	0.5%	-0.6%
Caucasian Women	9.7%	6.3%	-3.4%
Economically Disadvantaged Youth	-	-	Not in total
Disabled	-	-	Not in total

Table 2 – “Apprentice Participation Rate by Groups,” illustrates a slight decrease in the participation rate of Caucasian males from 66.9% in 2011 to 63.3% in 2012. This change represents a -3.6% decrease in the participation rate of this group. The participation rate for minority male apprentices increased from 22.3% in 2011 to 29.9% in 2012. This change represents a 7.6% increase in the participation rate for minority male apprentices over the previous program year. The rate of participation for minority and Caucasian women decreased by -0.6% and -3.4% respectively.



Since the Apprenticeship Program began in 1998, the participation rate for minority women has remained between 1% and 3% of the total labor hours worked by all apprentices. The overall participation rate for minority women remained relatively low at 1.2% in 2008 and increased from 2.6% in 2009 to 3.5% in 2010. In 2009, minority performed 5,229 labor hours as compared to 6,613 in 2010. In 2011, minority women performed 1,540 labor hours. In 2012, the number of labor hours worked by minority women declined substantially to 295. This change represents a decrease of approximately -82.5% in labor hours for minority women apprentices over the previous program year. Despite successful initiatives to increase the number of women in the construction industry, the rate of their participation in the trades has not grown significantly over time. To address this problem, we need to examine the challenges and barriers women face. This examination should include the barriers

and best practices to overcome them.

During 2012, contractors did not report labor hours for the participation of apprentices identified as economically disadvantaged youth, and as a result, may have underreported the participation of disabled persons. Contractors 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). The criteria for eligibility include income level and number of persons in the family, among other factors. Contractors are reluctant to ask questions that probe into these sensitive areas in order to identify members of these two groups. Although the data is speculative, anecdotal evidence supports this assumption.

Section 4: IMPLEMENTATION ISSUES

I. Non-compliance of Apprentice Utilization Rates by Contractors

The data provided in the report appendices for each construction project with apprenticeship requirements in 2012 finds that contractors made reasonable use of apprentices working on selected King County-funded public works projects. In 2012, the required percentage rate for these public works projects is 11.5%. This percentage reflects the overall rate of apprenticeship participation required for all projects subject to these requirements during the report period. Prime contractors collectively achieved 11.8% apprenticeship participation in 2012, surpassing the 11.5% required rate by 0.3%. The overall percentage of contractors who met or exceeded the apprenticeship requirements established for their projects was 84%.

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 procure enough apprentices to meet the established requirement.

The process to establish apprenticeship requirements permits flexibility in determining the level of use for apprentices based on the project size and scope. The process ensures that the set level of utilization is realistic and consistent with the scope of work, trades, and crafts involved in the project. Contractors and their subcontractors commit to the established apprenticeship requirements for projects; however, some do not meet these requirements.

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 proposed subcontractors who have committed to using apprentices to achieve the established requirements.

In addition, King County implements 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.

Cycle of Construction Projects

The cycle of construction projects has an impact on the overall apprenticeship rate. 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 others are 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. Monthly Apprenticeship Utilization Reports

Monthly Apprenticeship Utilization Reports are required from all prime contractors, for themselves and their subcontractors. These reports contain data that enables the County to determine the overall apprenticeship rate for each project that includes the apprenticeship requirement. Early communication between the County and its contractors enables timely intervention by County project management staff to assist contractors in their Best Efforts to meet the apprenticeship requirements established on their contracts.

During the report period, King County distributed a monthly summary report that identifies the apprenticeship utilization rate for each project subject to these requirements. Reports include information on the required rate of apprenticeship for each County department and notes



regarding the status of report submittals, and the percentage of project completion. These tools help to support prime contractors in meeting their reporting responsibilities and County project managers in monitoring the contractor's compliance and achievement in meeting the requirement.

During the report period, King County continued to engage the involvement of project management staff and others involved in the administration of public works that include the apprenticeship requirements. Project staff provides input on the appropriate level of apprentice use for projects that they administer. Selected projects were of size and scope to provide meaningful opportunities for the use of apprentices. These projects are typically valued at over \$1 million dollars and supported by a sufficient number of labor hours to achieve the requirements.

County Contract Compliance staff continues to participate in pre-bid and pre-construction meetings to discuss the apprenticeship requirements and provide information to contractors on the importance of submitting accurate and timely reports.

III. Challenges Encountered by Participating Apprentices

King County Code 12.16.175 requires that the program Administrator provide a description of the barriers encountered by apprentices and the steps taken toward resolution of those problems. A means to capture and resolve potential issues encountered by apprentices to encourage their continued participation in the program is a continuing challenge for King County and other jurisdictions that administer apprenticeship programs.

King County is supportive of pre-apprenticeship training programs that support the pipeline of new apprentices by extending training opportunities through area high schools, community

colleges and technical colleges and community organizations. King County also provides annual financial support to the Office of Port Jobs that supports the Apprenticeship Opportunities Project (AOP). The AOP helps low-income people in King County prepare for and apply to apprenticeship programs in construction work.

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 the number of newly indentured and graduated apprentices. The Washington State Department of Labor and Industries (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 2012 reported by L&I for Washington State as a whole to include the number of men and women who performed work on King County contracts.

The Washington State Department of Labor and Industries reports there were 11,193 active apprentices for the 12-month period ending December 31, 2012. Of this number, 1,118 are women and 2,552 are minorities. Table 3 below contains data reported by the Washington State Department of Labor and Industries for each quarter in 2012 on the number of registered and graduated apprentices.

Table 3 – Registered and Graduated Apprentices

12-month Period Ending December 31, 2012		
Data Reported by the Washington State Department of Labor and Industries		
Period	Registered Apprentices	Graduated Apprentices
Q1 (<i>Jan – Mar '12</i>)	496	259
Q2 (<i>Apr – Jun '12</i>)	828	324
Q3 (<i>Jul – Sep '12</i>)	890	300
Q4 (<i>Oct – Dec '12</i>)	635	250

The Washington State Department of Labor and Industries reports the number of apprentices actively registered in the system has remained relatively flat in 2012. While the increase in new registrations seen during the 2nd and 3rd quarters did not continue into the 4th quarter, the system as a whole grew slightly in total number for 2012.

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
SAC	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).

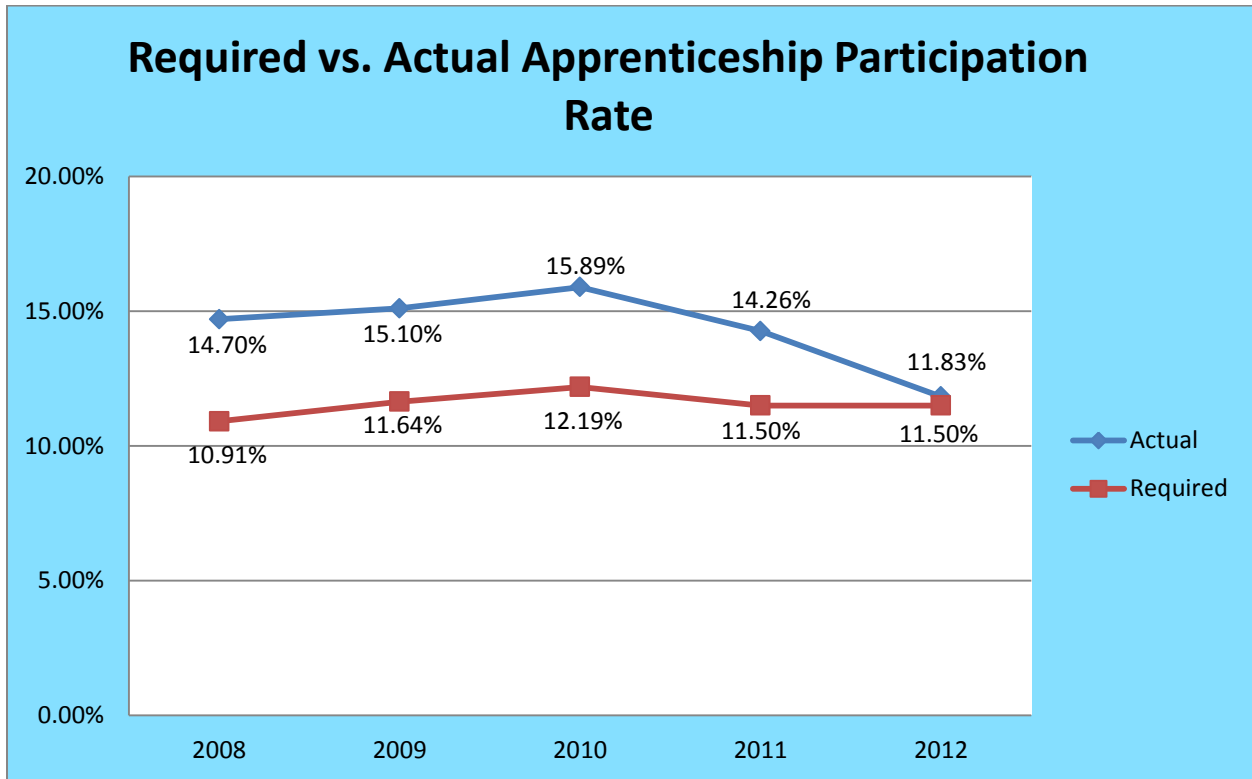
Labor Hours

The total number of projected hours 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.

Required Apprenticeship Rate – Exceeded for each of the Past 5 years

This percentage rate equals the required apprenticeship percentage then dividing by the number of contracts during the reporting period.

The chart below contains data for the five-year period between 2008 and 2012. This chart illustrates the difference between the actual apprenticeship level achieved by prime contractors on County construction projects that included apprenticeship requirements during this period, and the required apprenticeship rate achieved for these projects during the same period.



**APPENDIX B: PROJECTS SUBJECT TO APPRENTICESHIP REQUIREMENTS IN
2012**

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, 2012 through December 31, 2012.

In addition, each table reports data on the cumulative apprenticeship rate for each project as of December 31, 2012.

1028637 – TOD Kirkland & Ride Lease Agreement

Department Name: Transportation
 Division: Transit Division
 Project Name: TOD Kirkland Park & Ride lease agreement
 Contract Number: 1028637
 Prime Contractor: Andersen Construction Company
 Contract Award Amount: \$11,221,093
 Execution Date: July 20, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 6.16%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 6.33%

Transit Oriented Design lease agreement

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Accounts Payable Clerk	249.00	249.00	0.00	0.00%	0	0.00	-	0.00	-
Automotive Mechanic	166.00	166.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	830.00	669.50	160.50	19.34%	3	0.00	0.00%	92.50	57.63%
Carpet, Linoleum & Soft Tile Layer	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	731.50	731.50	0.00	0.00%	0	0.00	-	0.00	-
Diver	5.30	5.30	0.00	0.00%	0	0.00	-	0.00	-
Electrician	348.50	348.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	3,112.90	3,112.90	0.00	0.00%	0	0.00	-	0.00	-
Flagger	334.60	334.60	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	3.00	0.00	3.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	332.00	332.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	60.00	2.00	58.00	96.67%	1	0.00	0.00%	58.00	100.00%
Laborer	3,884.75	3,263.75	621.00	15.99%	4	0.00	0.00%	542.50	87.36%
Landscaper	13.00	13.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,123.80	1,123.80	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	161.00	161.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	34.00	26.00	8.00	23.53%	1	0.00	0.00%	8.00	100.00%
Surveyor	217.00	217.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	2,134.00	2,134.00	0.00	0.00%	0	0.00	-	0.00	-
Wiremen	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
Total	13,807.85	12,957.35	850.50	6.16%	10	0.00	0.00%	701.00	82.42%

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

C00002C06 – Brightwater Influent Pump Station

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Brightwater Influent Pump Station
 Contract Number: C00002C06
 Prime Contractor: KIEWIT INFRASTRUCTURE WEST CO.
 Contract Award Amount: \$91,860,000
 Execution Date: June 18, 2007
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 9.16%
Construction Completed: 3.00%
 ***Cumulative Apprenticeship Rate: 16.67%

Work under this Contract includes: Construction of 130-mgd pumping station expandable to 170-mgd; construction of a 7,700 SF generator building; construction of an odor control facility; Construction of a chemical building; construction of an influent struction (IS); construction of a substation; installation of site utilities including water, sewer, chemical drains, electrical duct banks, gas, and stormwater drainage system; final on-site improvements including site grading, paving, landscaping, fencing and augercast piles.

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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	785.00	785.00	0.00	0.00%	0	0.00	-	0.00	-
Asbestos Worker	78.00	0.00	78.00	100.00%	1	0.00	0.00%	78.00	100.00%
Carpenter	1,657.00	1,657.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	2,151.00	2,151.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	388.00	0.00	388.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	2,787.00	2,787.00	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,196.50	1,196.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	1,493.00	1,493.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	701.00	0.00	701.00	100.00%	2	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Worker	211.00	211.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	697.50	697.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	357.00	0.00	357.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	6,745.00	6,567.00	178.00	2.64%	1	0.00	0.00%	0.00	0.00%
Landscaper	1,514.50	1,514.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	460.00	460.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	2,023.50	2,023.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	567.00	0.00	567.00	100.00%	3	398.00	70.19%	169.00	29.81%
Pipefitter	1,700.00	1,700.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	36.00	20.00	16.00	44.44%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	40.00	0.00	40.00	100.00%	1	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	303.00	255.00	48.00	15.84%	2	0.00	0.00%	8.00	16.67%
Total	25,902.00	23,529.00	2,373.00	9.16%	14	398.00	16.77%	255.00	10.75%

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

C00005C06 – Brightwater Conveyance System, Central Contract, Brightwater Tunnel Sec 2 & 3

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Brightwater Conveyance System, Central Contract, Brightwater Tunnel Sec 2 & 3
 Contract Number: C00005C06
 Prime Contractor: Vinci Parsons RCI Frontier Kemper JV
 Contract Award Amount: \$211,076,058
 Execution Date: July 17, 2006
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 13.37%
Construction Completed: 46.00%
 ***Cumulative Apprenticeship Rate: 9.66%

The work under this Contract includes: Brightwater Tunnel, Section 2 Approximately 11,600 foot long segmentally lined tunnel; Brightwater Tunnel, Section 3 Approximately 20,100 foot long segmentally lined tunnel; Swamp Creek Connector; North Kenmore Portal site - Demolition of existing facilities, Portal structure; and Ballinger Way Portal Site - Demolition of existing facilities, groundwater cutoff, design of construction of access portal structure approximately 200 feet deep and site work.

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)	322.00	322.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	2,162.50	2,162.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	131.80	131.80	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	119.05	119.05	0.00	0.00%	0	0.00	-	0.00	-
Electrician	3,347.50	3,347.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	16,470.00	16,470.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	29.00	29.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	642.00	642.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	31.00	0.00	31.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	23,293.35	17,003.35	6,290.00	27.00%	6	1,724.00	27.41%	0.00	0.00%
Operator	2,004.00	2,004.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	399.00	399.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	2,545.00	2,545.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	954.50	0.00	954.50	100.00%	7	0.00	0.00%	226.00	23.68%
Teamster/Truck driver	1,904.05	1,904.05	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	33.50	33.50	0.00	0.00%	0	0.00	-	0.00	-
Total	54,399.25	47,123.75	7,275.50	13.37%	15	1,724.00	23.70%	226.00	3.11%

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

C00271C08 – Kirkland Pump Station Upgrade, Pump Station and Forcemain

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: KIRKLAND PUMP STATION UPGRADE, PUMP STATION AND FORCEMAIN
 Contract Number: C00271C08
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$7,912,693
 Execution Date: July 26, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 14.92%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 16.36%

The Work of this Project is a comprehensive upgrade of the existing sanitary sewer pump station and installation of a new force main

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	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Bricklayer	47.00	47.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	6,426.00	4,298.00	2,128.00	33.12%	2	0.00	0.00%	2,128.00	100.00%
Construction Electrician	188.50	0.00	188.50	100.00%	1	188.50	100.00%	0.00	0.00%
Electrician	644.00	644.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,822.00	4,822.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	321.60	321.60	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	2,527.30	2,527.30	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	8.30	8.30	0.00	0.00%	0	0.00	-	0.00	-
Roofer	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Surveyor	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	517.70	517.70	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripier	51.30	51.30	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Total	15,656.70	13,321.20	2,335.50	14.92%	5	188.50	8.07%	2,128.00	91.12%

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

C00405C09 – Bow Lake Recycling and Transfer Station Site Facilities Contract

Department Name: Natural Resources & Parks
 Division: Solid Waste Division
 Project Name: BOW LAKE RECYCLING AND TRANSFER STATION SITE FACILITIES CONTRACT
 Contract Number: C00405C09
 Prime Contractor: Lydig Construction Inc
 Contract Award Amount: \$42,655,617
 Execution Date: September 7, 2010
 Type of Construction: Construction

Apprenticeship Requirement: 15.66%
Apprenticeship Rate: 2612 11.55%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 14.51%

Phase 2 of the project ("the Site Facilities Contract") entails: site earthwork including preloading of portions of the site, excavation of refuse from a former landfill, construction of a 70,000 square foot transfer and waste processing building, installation of two owner-furnished pre-load waste compactors, employee support facilities, a scale house complex with four truck scales, a trailer parking yard, concrete and asphalt paving, a fueling facility, extensive site utilities and deconstruction of the existing buildings.

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	154.50	0.00	154.50	100.00%	3	0.00	0.00%	72.00	46.60%
Carpenter	3,983.57	2,842.30	1,141.27	28.65%	1	0.00	0.00%	0.00	0.00%
Carpenter, Piledriver	299.00	299.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	1,458.80	1,439.80	19.00	1.30%	1	0.00	0.00%	0.00	0.00%
Commercial Glazier	134.50	0.00	134.50	100.00%	2	0.00	0.00%	0.00	0.00%
Concrete Boom Pumper	117.60	117.60	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,429.00	0.00	1,429.00	100.00%	6	0.00	0.00%	667.50	46.71%
Construction Electrician	438.50	0.00	438.50	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	2,193.50	2,193.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	10,091.50	10,091.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	5,162.30	5,162.30	0.00	0.00%	0	0.00	-	0.00	-
Flagger	41.00	41.00	0.00	0.00%	0	0.00	-	0.00	-
Floor Installers/Layers	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	927.00	927.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	700.00	700.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	2,089.00	0.00	2,089.00	100.00%	10	0.00	0.00%	320.00	15.32%
Insulation (Heat and Frost) Worker	686.00	686.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	529.50	529.50	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	16.00	0.00	16.00	100.00%	1	0.00	0.00%	16.00	100.00%
Iron Worker	1,318.50	1,310.50	8.00	0.61%	1	0.00	0.00%	8.00	100.00%
Ironworker	899.00	771.00	128.00	14.24%	1	0.00	0.00%	0.00	0.00%
Irrigation Pump Installer	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	6,139.60	5,788.60	351.00	5.72%	5	0.00	0.00%	254.50	72.51%
Landscape	1,198.50	1,198.50	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tech	16.00	0.00	16.00	100.00%	1	0.00	0.00%	0.00	0.00%
Other Trade	1,847.80	1,847.80	0.00	0.00%	0	0.00	-	0.00	-
Painter	1,276.50	1,276.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	60.00	0.00	60.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	1,216.00	1,216.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	2,140.00	1,755.00	385.00	17.99%	1	0.00	0.00%	0.00	0.00%
Roofer	178.50	178.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	17.00	0.00	17.00	100.00%	1	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	542.00	308.00	234.00	43.17%	2	0.00	0.00%	0.00	0.00%
Surveyor	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	9,319.20	9,319.20	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	620.50	620.50	0.00	0.00%	0	0.00	-	0.00	-
Total	57,309.37	50,688.60	6,620.77	11.55%	38	0.00	0.00%	1,338.00	20.21%

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

C00411C09 – West Point Waste to Energy Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: West Point Waste To Energy Project
 Contract Number: C00411C09
 Prime Contractor: Stellar J Corporation
 Contract Award Amount: \$11,537,204
 Execution Date: April 21, 2010
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 6.90%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 15.59%

Installation of two new 2.3 MW power generators and related equipment in an existing building at the West Point Wastewater Treatment Plant in Seattle, Washington. King County has purchased power generation equipment including the engine, generator, mounting package, heat exchangers, pumps, waste heat radiators, heat recovery silencers, exhaust silencers, switchgear, controls, and start up and commissioning services. This equipment is to be installed by the Contractor in an existing building. The work includes wiring, piping, testing, start up, and commissioning of the equipment.

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	81.00	0.00	81.00	100.00%	2	0.00	0.00%	31.00	38.27%
Carpenter	500.00	485.00	15.00	3.00%	1	0.00	0.00%	15.00	100.00%
Concrete Boom Pumper	3.80	3.80	0.00	0.00%	0	0.00	-	0.00	-
Electrician	183.80	183.80	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	14.00	0.00	14.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Work	106.00	106.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	388.00	388.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	56.00	56.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	163.00	163.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	298.50	285.50	13.00	4.36%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	3.00	0.00	3.00	100.00%	1	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Total	1,827.10	1,701.10	126.00	6.90%	6	0.00	0.00%	46.00	36.51%

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

C00479C09 – Atlantic/Central Bus Base Expansion

Department Name: Transportation
 Division: Transit Division
 Project Name: ATLANTIC/CENTRAL BUS BASE EXPANSION
 Contract Number: C00479C09
 Prime Contractor: SIERRA CONSTRUCTION COMPANY INC
 Contract Award Amount: \$11,322,802
 Execution Date: March 31, 2010
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 26.67%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 19.76%

Construction of a new LEED Gold Operations Base facility and site work. The two story building is 43,000 square feet and will provide additional space for King County Metro Transit's bus operations. This building represents the final phase of the bus base expansion to stage, maintain, and dispatch 185 additional buses.

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	22.00	22.00	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%	8.00	100.00%
Total	30.00	22.00	8.00	26.67%	1	0.00	0.00%	8.00	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

C00488C10 – InterBay Pump Station Upgrade

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: INTERBAY PUMP STATION UPGRADE
 Contract Number: C00488C10
 Prime Contractor: STELLAR J PUMP TECH, A JOINT VENTURE
 Contract Award Amount: \$11,904,406
 Execution Date: January 3, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 15.89%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 15.71%

Replace obsolete mechanical, electrical and controls equipment and increase the capacity of the pump station to 133 mgd upgrade the HVAC systems, make structural modifications to the existing pump station structure, build a generator building and provide standby power generation capacity to power the pumps, provide odor control at the pump station. The work also includes some miscellaneous service facility and site work. The pump station is located southwest of the intersection of West Garfield Street and 15th Avenue West, Seattle, 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	%
Asbestos Worker	24.50	0.00	24.50	100.00%	4	0.00	0.00%	0.00	0.00%
Carpenter	4,359.75	3,769.25	590.50	13.54%	1	0.00	0.00%	590.50	100.00%
Commercial Glazier	21.50	0.00	21.50	100.00%	1	0.00	0.00%	0.00	0.00%
Diver	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Electric Utility Technician	116.00	116.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	2,194.00	2,194.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	15.50	15.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	276.00	276.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	903.00	0.00	903.00	100.00%	3	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Worker	91.50	91.50	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	75.00	75.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,718.00	2,718.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	138.50	138.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	9.50	0.00	9.50	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	155.50	115.50	40.00	25.72%	1	0.00	0.00%	0.00	0.00%
Plumber	42.00	27.00	15.00	35.71%	1	0.00	0.00%	0.00	0.00%
Roofer	150.50	77.00	73.50	48.84%	3	0.00	0.00%	56.50	76.87%
Sheet Metal Worker	146.50	0.00	146.50	100.00%	1	0.00	0.00%	0.00	0.00%
Surveyor	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Total	11,479.25	9,655.25	1,824.00	15.89%	16	0.00	0.00%	647.00	35.47%

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

C00519C11 – East Section Control System Replacement South Plant Solids Stream

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: East Section Control System Replacement South Plant Solids Stream
 Contract Number: C00519C11
 Prime Contractor: Valley Electric Company
 Contract Award Amount: \$2,150,000
 Execution Date: January 6, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 28.68%
Construction Completed:

***Cumulative Apprenticeship Rate: 25.36%

The project work is located at South Treatment Plant, Renton, Washington. The purpose of the work is to replace the existing DCS (Forney) and TI PLCs/Sixnet I/O with a County supplied Emerson Ovation Control system (SPCS) for ACC4 process areas and install County supplied UPS unit(s) in ACC4. Demolition work necessary to remove equipment, wire and cable in existing panels that shall be reused as indicated in the design document is to be performed as part of the control system replacement work.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	87.00	66.00	21.00	24.14%	1	0.00	0.00%	21.00	100.00%
Electrician	3,549.00	3,549.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	33.00	33.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	1,540.00	0.00	1,540.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	25.00	25.00	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	200.00	200.00	0.00	0.00%	0	0.00	-	0.00	-
Total	5,442.00	3,881.00	1,561.00	28.68%	3	0.00	0.00%	21.00	1.35%

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

C00525C10 – NE Novelty Hill Rd – Phase 1 (NE Union Hill Rd, 196th Ave NE, NE Novelty Hill Rd)

Department Name: Transportation
 Division: Road Services Division
 Project Name: NE NOVELTY HILL RD - PHASE 1 (NE UNION HILL RD, 196TH AVE NE, NE NOVELTY HILL RD)
 Contract Number: C00525C10
 Prime Contractor: Scarsella Bros., Inc.
 Contract Award Amount: \$17,622,573
 Execution Date: March 11, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2012 7.62%
Construction Completed:

***Cumulative Apprenticeship Rate: 8.32%

The project will improve N.E. Union Hill Rd from 192nd Place NE to approximately 500 feet east of 196th Ave NE, N.E. Novelty Hill Rd from approximately 1,000 feet west of N.E. 195th Ave N.E. and 700 feet east of 197th Place NE, and construction of 196th/195th Ave N.E. from N.E. Union Hill Rd. to NE Novelty Hill Road in northeast King County

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	11,948.50	11,948.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter, Piledriver	311.00	0.00	311.00	100.00%	1	0.00	0.00%	311.00	100.00%
Cement Mason	947.50	941.50	6.00	0.63%	1	0.00	0.00%	6.00	100.00%
Constr Equip Operator	911.00	0.00	911.00	100.00%	2	0.00	0.00%	0.00	0.00%
Equipment Operator	14,646.50	14,646.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	15,625.50	14,112.00	1,513.50	9.69%	6	0.00	0.00%	4.00	0.26%
Teamster/Truck driver	6,540.75	5,379.00	1,161.75	17.76%	4	8.75	0.75%	1,142.00	98.30%
Truck Driver	268.25	268.25	0.00	0.00%	0	0.00	-	0.00	-
Total	51,199.00	47,295.75	3,903.25	7.62%	14	8.75	0.22%	1,463.00	37.48%

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

C00534C10 – Brightwater Conveyance System, Brightwater Tunnel Section 3 Completion, BT-3 Completion

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Brightwater Conveyance System, Brightwater Tunnel Section 3 Completion, BT-3 Completion
 Contract Number: C00534C10
 Prime Contractor: JAY DEE / COLUCCIO JOINT VENTURE
 Contract Award Amount: \$68,904,290
 Execution Date: March 11, 2010
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 7.95%
Construction Completed:

***Cumulative Apprenticeship Rate: 11.42%

Completion of Brightwater Tunnel Section 3

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice		Total # Apprentices	**Apprentice Hours			
			Hours	% of Total Hours		*Women	%	Minorities	%
Accounts Payable Clerk	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Boilermaker (Field Const/Repair)	2,184.00	2,184.00	0.00	0.00%	0	0.00	-	0.00	-
Bricklayer	119.00	119.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	3,017.00	3,017.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	595.00	595.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	2,458.50	0.00	2,458.50	100.00%	1	0.00	0.00%	2,458.50	100.00%
Electrician	7,719.50	7,719.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	89.50	89.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	38.50	38.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	410.50	410.50	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	220.00	220.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	96.50	0.00	96.50	100.00%	7	20.50	21.24%	43.50	45.08%
Laborer	70,421.50	63,446.50	6,975.00	9.90%	4	797.50	11.43%	2,566.50	36.80%
Operator	35,185.00	35,185.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	473.00	473.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	16.50	16.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	1,213.00	1,213.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	1,793.50	1,254.50	539.00	30.05%	2	0.00	0.00%	539.00	100.00%
Teamster	35.60	35.60	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	627.80	627.80	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	2.50	2.50	0.00	0.00%	0	0.00	-	0.00	-
Total	126,732.40	116,663.40	10,069.00	7.95%	14	818.00	8.12%	5,607.50	55.69%

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

C00559C10 – Central Base Hydraulic Lift Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: CENTRAL BASE HYDRAULIC LIFT REPLACEMENT
 Contract Number: C00559C10
 Prime Contractor: McClure and Sons Inc.
 Contract Award Amount: \$1,414,062
 Execution Date: August 10, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 15.35%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 20.79%

Remove hydraulic lift equipment from four bus bays and replace with three axle lifts and one custom platform lift.

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	1,674.50	1,333.50	341.00	20.36%	1	0.00	0.00%	0.00	0.00%
Cement Mason	83.50	83.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	160.00	0.00	160.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	283.50	283.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	265.50	265.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	40.00	0.00	40.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	117.50	117.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	7.50	0.00	7.50	100.00%	2	0.00	0.00%	3.00	40.00%
Laborer	256.00	256.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	235.00	235.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	239.25	239.25	0.00	0.00%	0	0.00	-	0.00	-
Painter	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	188.50	188.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Total	3,573.75	3,025.25	548.50	15.35%	5	0.00	0.00%	3.00	0.55%

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

C00562C10 – Bellevue Influent Trunk and West Central Business District Trunk Sewer Improvements

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: BELLEVUE INFLUENT TRUNK AND WEST CENTRAL BUSINESS DISTRICT TRUNK SEWER IMPROVEMENTS
 Contract Number: C00562C10
 Prime Contractor: KLB Construction, Inc.
 Contract Award Amount: \$2,327,783
 Execution Date: April 8, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 12.30%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 10.53%

The purpose of this project is to replace King County's Bellevue Influent Trunk sewer and portions of the City of Bellevue's West CBD Trunk sewer in the rights-of-way along 102nd Avenue SE (between SE 3rd Street and SE 6th Street) and along SE 3rd Street (between Bellevue Way and 101st Avenue SE).

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	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	725.00	653.00	72.00	9.93%	2	0.00	0.00%	0.00	0.00%
Constr Equip Operator	911.80	277.00	634.80	69.62%	7	167.80	26.43%	15.00	2.36%
Electrician	125.00	125.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,236.00	4,236.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	2,855.00	2,855.00	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	3.00	0.00	3.00	100.00%	1	0.00	0.00%	0.00	0.00%
Irrigation Pump Installer	31.00	31.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	4,958.80	3,362.30	1,596.50	32.20%	7	294.50	18.45%	1,575.50	98.68%
Landscaper	239.50	239.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	731.50	731.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	135.00	135.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	352.50	352.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	319.80	319.80	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	3,090.15	3,090.15	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	8.80	8.80	0.00	0.00%	0	0.00	-	0.00	-
Total	18,752.85	16,446.55	2,306.30	12.30%	17	462.30	20.05%	1,590.50	68.96%

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

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: 2012 22.41%

Construction Completed:

***Cumulative Apprenticeship Rate: 19.35%

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	1,867.50	1,234.00	633.50	33.92%	2	0.00	0.00%	0.00	0.00%
Concrete Boom Pumper	8.75	8.75	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	238.00	0.00	238.00	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	26.00	13.00	13.00	50.00%	1	0.00	0.00%	0.00	0.00%
Laborer	592.50	592.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,160.25	1,160.25	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	19.75	19.75	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	13.80	13.80	0.00	0.00%	0	0.00	-	0.00	-
Total	3,946.55	3,062.05	884.50	22.41%	4	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

C00631C11 – North Base Garage Ventilation System Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: North Base Garage Ventilation System Replacement
 Contract Number: C00631C11
 Prime Contractor: Design Air Ltd.
 Contract Award Amount: \$1,690,635
 Execution Date: March 1, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 22.46%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 21.30%

Construction services for North Base Garage Ventilation System Replacement.

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	388.00	388.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	650.00	0.00	650.00	100.00%	4	0.00	0.00%	497.00	76.46%
Electrician	1,820.00	1,820.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	621.00	621.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	83.50	0.00	83.50	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	1,028.50	1,028.50	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tec	32.00	0.00	32.00	100.00%	2	0.00	0.00%	32.00	100.00%
Other Trade	92.50	92.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	937.50	399.00	538.50	57.44%	3	0.00	0.00%	0.00	0.00%
Telecommunications Technician	147.50	147.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	6.50	6.50	0.00	0.00%	0	0.00	-	0.00	-
Total	5,807.00	4,503.00	1,304.00	22.46%	10	0.00	0.00%	529.00	40.57%

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

C00633C11 – Standby Generators for KCIA

Department Name: Transportation
 Division: King County International Airport
 Project Name: STANDBY GENERATORS FOR KCIA
 Contract Number: C00633C11
 Prime Contractor: Dutton Electric Co., Inc.
 Contract Award Amount: \$307,082
 Execution Date: August 8, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2012 46.73%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 38.14%

Install new diesel standby generators at King County International Airport. Work site: Site located at 7777 Perimeter Road at the King County International Airport (KCIA), Seattle 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	%
Electrician	106.00	106.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	100.00	0.00	100.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Total	214.00	114.00	100.00	46.73%	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

C00634C11 – North Base Bus Garage Roofing Systems Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: North Base Bus Garage Roofing Systems Replacement
 Contract Number: C00634C11
 Prime Contractor: Kassel & Associates Inc
 Contract Award Amount: \$5,626,000
 Execution Date: April 16, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 29.36%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 27.96%

Replace roof liner on Metro's North Base Garage roof playfield area. Work includes demolition of the existing 2-acre grass playfield and planter areas including existing drainage, irrigation, and waterproofing liner systems; installation of new waterproofing liner on the concrete roof; and reconstruction of the playfield and planter areas.

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	3,138.00	1,183.50	1,954.50	62.28%	5	0.00	0.00%	343.50	17.57%
Cement Mason	243.50	243.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	2,538.74	2,538.74	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	83.00	0.00	83.00	100.00%	1	0.00	0.00%	83.00	100.00%
Irrigation Pump Installer	343.00	343.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	105.50	105.50	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	107.99	107.99	0.00	0.00%	0	0.00	-	0.00	-
Roofer	4,153.50	2,979.00	1,174.50	28.28%	10	204.50	17.41%	632.50	53.85%
Teamster/Truck driver	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	8.50	0.00	8.50	100.00%	1	0.00	0.00%	0.00	0.00%
Traffic control striping	8.50	8.50	0.00	0.00%	0	0.00	-	0.00	-
Wiremen	208.00	208.00	0.00	0.00%	0	0.00	-	0.00	-
Total	10,970.23	7,749.73	3,220.50	29.36%	17	204.50	6.35%	1,059.00	32.88%

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

C00644C11 – South Base Maintenance Building Roof Replacement

Department Name: Transportation
 Division: Transit Division
 Project Name: South Base Maintenance Building Roof Replacement
 Contract Number: C00644C11
 Prime Contractor: Westmark Construction Inc
 Contract Award Amount: \$895,900
 Execution Date: February 1, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 29.17%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 29.17%

Removal and replacement of complete roofing 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	%
Electrician	107.50	107.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	33.00	0.00	33.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	4,470.00	3,155.00	1,315.00	29.42%	9	0.00	0.00%	801.00	60.91%
Total	4,621.50	3,273.50	1,348.00	29.17%	10	0.00	0.00%	801.00	59.42%

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

C00645C11 – Cedar Hills Landfill Area 6 Stage 4 Closure (Schedule A); Truck Wash Modifications (Schedule B); and Leachate Force Main Upgrade (Schedule C)

Department Name: Natural Resources & Parks
 Division: Solid Waste Division
 Project Name: C00645C11 - Cedar Hills Landfill Area 6 Stage 4 Closure (Schedule A); Truck Wash Modifications (Schedule B); and Leachate Force Main
 Contract Number: C00645C11
 Prime Contractor: Northwest Construction Inc
 Contract Award Amount: \$4,131,183
 Execution Date: July 25, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%
Apprenticeship Rate: 2012 20.82%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 8.12%

Area 6 Stage 4 Closure (Schedule A) includes all grading, compacting, trenching, backfilling soils, erosion and sedimentation control, installing geosynthetic materials and pipes and any related work necessary for construction of the following features: the interim cover; the final cover subgrade; the landfill gas collection system; the final cover system; surface water management controls; erosion and sediment controls; and loading and hauling of select fill and daily cover for County operations each day. Truck Wash Upgrade (Schedule B) includes all grading, compacting, trenching, backfilling, erosion and sedimentation control, installation of pumps, slide gates and pipes, concrete, mechanical and electrical work and any related work necessary for construction of the Work. Leachate Forcemain Upgrade (Schedule C - Bid Alternates)

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey		Total Apprentice		Total # Apprentices	**Apprentice Hours			
		Hours	Hours	Hours	% of Total Hours		*Women	%	Minorities	%
Constr Equip Operator	580.50		0.00	580.50	100.00%	2	0.00	0.00%	0.00	0.00%
Construction Electrician	26.00		0.00	26.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	42.00		42.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,160.50	1,160.50		0.00	0.00%	0	0.00	-	0.00	-
Flagger	46.00		46.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,961.00	1,315.00		646.00	32.94%	2	0.00	0.00%	0.00	0.00%
Landscaper	330.00		330.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,250.50	1,250.50		0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	418.00		418.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	18.00		18.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	184.55		184.55	0.00	0.00%	0	0.00	-	0.00	-
Total	6,017.05	4,764.55		1,252.50	20.82%	5	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

C00648C11 – Brightwater Conveyance

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Brightwater Conveyance System North Kenmore and Ballinger Way Odor Control
 Contract Number: C00648C11
 Prime Contractor: Prospect Construction Inc
 Contract Award Amount: \$1,791,846
 Execution Date: May 13, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 24.72%
Construction Completed:

***Cumulative Apprenticeship Rate: 16.34%

Construction of odor control facilities at the North Kenmore and Ballinger Way Portals for the Brightwater Conveyance System. Work includes installation of a passive carbon unit enclosed by masonry walls. The work at North Kenmore includes installation of a County furnished mobile odor control unit to be used during construction of the permanent facility which consists of two carbon units, a fan, generator and electrical room. The structure is surrounded by masonry walls.

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	2,130.50	1,493.50	637.00	29.90%	2	0.00	0.00%	0.00	0.00%
Cement Finishers	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	41.00	41.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	48.00	48.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	53.00	53.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	6.00	0.00	6.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	226.00	226.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	54.00	54.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	19.25	19.25	0.00	0.00%	0	0.00	-	0.00	-
Total	2,601.25	1,958.25	643.00	24.72%	3	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

C00653C11 – S. 277th St. ITS (Military Rd. S and S 272nd St. to W Valley HWY at S 277th St.)

Department Name: Transportation
 Division: Road Services Division
 Project Name: S 277 St ITS (Military RD S and S 272nd St to W. Valley Hwy at S 277th St)
 Contract Number: C00653C11
 Prime Contractor: Prime Electric, Inc.
 Contract Award Amount: \$447,978
 Execution Date: November 29, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 0.00%
Apprenticeship Rate: 2012 5.27%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 5.27%

This project provides for the improvements to South 272nd/277th Street from Military Road S. to West Valley Highway in King County by providing and installing new traffic signal controllers and cabinets, providing and installing fiber traffic signal interconnect, fiber communications hardware, traffic surveillance cameras, Dynamic Message Sign (DMS), weather sensor 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	%
Electrician	400.50	400.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	46.50	46.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	78.00	0.00	78.00	100.00%	3	0.00	0.00%	62.00	79.49%
Laborer	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Line Electrician	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm	140.00	140.00	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tech	52.00	52.00	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	685.00	685.00	0.00	0.00%	0	0.00	-	0.00	-
Total	1,479.00	1,401.00	78.00	5.27%	3	0.00	0.00%	62.00	79.49%

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

C00661C11 – Roof and Energy Efficiency Improvements – Building J

Department Name: Transportation
 Division: Road Services Division
 Project Name: Roof and Energy Efficiency Improvements - Building J
 Contract Number: C00661C11
 Prime Contractor: Design Air Ltd.
 Contract Award Amount: \$1,846,800
 Execution Date: May 1, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 20.18%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 19.69%

Roof replacement and energy efficiency improvements to the existing 15,403 square foot building "J" at the Renton CORF. Improvements include roof system and HVAC replacement, window and siding replacement, adding building insulation, skylights, solar panels and a solar wall.

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	677.00	677.00	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	141.00	0.00	141.00	100.00%	1	0.00	0.00%	0.00	0.00%
Construction Electrician	248.00	0.00	248.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	537.00	537.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	743.00	743.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Glaziers	343.50	343.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	1,838.35	1,838.35	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	179.50	0.00	179.50	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Work	88.00	88.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	1,035.50	1,035.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	963.50	963.50	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	130.00	130.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	63.00	63.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	368.50	368.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	83.00	83.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	89.00	89.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	600.00	600.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	1,967.20	443.50	1,523.70	77.46%	7	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	238.00	238.00	0.00	0.00%	0	0.00	-	0.00	-
Total	10,369.05	8,276.85	2,092.20	20.18%	10	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

C00667C11 – West Pointe Treatment Plant Office Annex

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: West Pointe Treatment Plant Office Annex
 Contract Number: C00667C11
 Prime Contractor: Kirtley-Cole Associates LLC
 Contract Award Amount: \$1,503,305
 Execution Date: February 1, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 19.33%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 19.33%

Construction of a 4,078 square foot office building. The work includes site demolition, landscaping, foundations, building construction, plumbing, mechanical, and electrical systems, permitting, utility connections, asphalt paving, site work, and record 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	%
Accounts Payable Clerk	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Acoustical Applicator	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Cabinet Maker	123.25	123.25	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	2,731.39	2,692.89	38.50	1.41%	4	0.00	0.00%	0.00	0.00%
Carpet, Linoleum & Soft Tile Laye	128.00	128.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	88.00	88.00	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	138.00	0.00	138.00	100.00%	3	0.00	0.00%	0.00	0.00%
Constr Equip Operator	308.00	0.00	308.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	272.50	272.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,249.00	1,249.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	148.00	148.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	91.50	91.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	291.50	291.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC/Refrigeration Mechanic	40.00	0.00	40.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	836.50	0.00	836.50	100.00%	2	0.00	0.00%	0.00	0.00%
Insulation Applicator	46.00	46.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	63.00	63.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	391.00	391.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	386.00	386.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	229.70	229.70	0.00	0.00%	0	0.00	-	0.00	-
Painter	52.80	52.80	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	10.00	0.00	10.00	100.00%	1	0.00	0.00%	0.00	0.00%
Plumber	444.50	286.00	158.50	35.66%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	195.50	63.00	132.50	67.77%	6	71.92	54.28%	27.58	20.82%
Structural Steel/Ornamental Meta	38.00	38.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	140.10	140.10	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	95.50	95.50	0.00	0.00%	0	0.00	-	0.00	-
Total	8,597.24	6,935.24	1,662.00	19.33%	19	71.92	4.33%	27.58	1.66%

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

C00677C11 – RANRIP M-27

Department Name: Transportation
 Division: King County International Airport
 Project Name: RANRIP M-27
 Contract Number: C00677C11
 Prime Contractor: TRON CONSTRUCTION, INC.
 Contract Award Amount: \$1,905,300
 Execution Date: February 15, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 3.00%
Apprenticeship Rate: 2012 0.00%
Construction Completed:

***Cumulative Apprenticeship Rate: 1.79%

Residential Aircraft Noise Remediation Improvements

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	351.00	351.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Applicator	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	290.25	290.25	0.00	0.00%	0	0.00	-	0.00	-
Painter	907.00	907.00	0.00	0.00%	0	0.00	-	0.00	-
Residential Carpenter	9,013.00	9,013.00	0.00	0.00%	0	0.00	-	0.00	-
Residential Electrician	635.50	635.50	0.00	0.00%	0	0.00	-	0.00	-
Residential Sheet Metal Worker	18.00	18.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Total	11,312.75	11,312.75	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

C00690C11 – Maintenance and Moorage Barge - Rebid

Department Name: Transportation
 Division: Road Services Division
 Project Name: Maintenance and Moorage Barge - Rebid
 Contract Number: C00690C11
 Prime Contractor: US Fab LLC
 Contract Award Amount: \$2,703,954
 Execution Date: December 15, 2011
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%

Apprenticeship Rate: 2012 4.55%

Construction Completed:

***Cumulative Apprenticeship Rate: 4.54%

Construct a barge vessel to serve as a permanently moored floating platform in Puget Sound from which maintenance and support services for the King County ferry fleet may be carried out. The vessel shall be longitudinally framed using welded-steel construction and shall be arranged with a permanently installed steel deckhouse structure. The vessel shall have five (5) below-deck independent tanks, associated equipment, and piping systems. Above deck workshop and office structures (Alternate Bid Item) shall be located on the finished Main Deck.

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-Uptown/Shipyards	12,300.65	11,741.15	559.50	4.55%	1	0.00	0.00%	0.00	0.00%
Total	12,300.65	11,741.15	559.50	4.55%	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

C00692C11 – MRJC Detention Facility Roof Lighting

Department Name: Executive Services
 Division: Facilities Management Division
 Project Name: MRJC Detention Facility Roof Lighting
 Contract Number: C00692C11
 Prime Contractor: Holmes Electric Co.
 Contract Award Amount: \$452,580
 Execution Date: February 24, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 34.40%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 34.37%

Demolition and replacement of MRJC roof security lighting a

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	641.00	641.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	342.50	0.00	342.50	100.00%	1	0.00	0.00%	0.00	0.00%
Total	995.50	653.00	342.50	34.40%	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

C00698C12 – Brightwater IPS Conversion Project

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: Brightwater IPS Conversion Project
 Contract Number: C00698C12
 Prime Contractor: Harbor Pacific Contractors Inc
 Contract Award Amount: \$3,000,000
 Execution Date: June 5, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 22.05%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 21.27%

The Work of this Contract consists of conversion activities for the newly constructed Brightwater Inflow Pump Station (IPS) from an interim operational mode to the final operational mode. The work also includes a variety of updates and modifications to various pump station systems.

Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice		Total # Apprentices	**Apprentice Hours			
			Hours	% of Total Hours		*Women	%	Minorities	%
Boilermaker (Field Const/Repair)	1,730.50	1,730.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	3,212.50	2,398.50	814.00	25.34%	1	0.00	0.00%	0.00	0.00%
Electrician	710.49	710.49	0.00	0.00%	0	0.00	-	0.00	-
Laborer	4,646.00	3,570.50	1,075.50	23.15%	3	0.00	0.00%	1,075.50	100.00%
Landscaper	25.00	25.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	122.00	122.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	3,900.50	3,900.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	1,758.50	0.00	1,758.50	100.00%	5	0.00	0.00%	0.00	0.00%
Pipefitter	93.00	93.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	147.00	147.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	196.50	196.50	0.00	0.00%	0	0.00	-	0.00	-
Total	16,541.99	12,893.99	3,648.00	22.05%	9	0.00	0.00%	1,075.50	29.48%

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

C00702C11 – Youth Service Center Security Electronics Upgrade

Department Name: Executive Services
 Division: Facilities Management Division
 Project Name: Youth Service Center Security Electronics Upgrade
 Contract Number: C00702C11
 Prime Contractor: Engineered Control Systems, Inc
 Contract Award Amount: \$1,666,451
 Execution Date: March 14, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%

Apprenticeship Rate: 2012 11.14%

Construction Completed:

***Cumulative Apprenticeship Rate: 24.84%

Upgrade existing security electronics system within the detention wing of the Youth Service Center, together with installation of a video surveillance system. Work site: 1211□ East Alder, Seattle, 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	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Electrician	596.00	596.00	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Tech	118.00	118.00	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Technician	371.00	371.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	136.00	0.00	136.00	100.00%	1	0.00	0.00%	0.00	0.00%
Total	1,221.00	1,085.00	136.00	11.14%	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

C00707C12 – WPTP 704 Substation and MCC Upgrade

Department Name: Natural Resources & Parks
 Division: Wastewater Treatment Division
 Project Name: WPTP 704 Substation and MCC Upgrade
 Contract Number: C00707C12
 Prime Contractor: Valley Electric Company
 Contract Award Amount: \$2,590,000
 Execution Date: April 20, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%

Apprenticeship Rate: 2012 10.08%

Construction Completed:

***Cumulative Apprenticeship Rate: 14.75%

The purpose of this project is to upgrade the existing 704 Substation obsolete switchgear which was identified in an arc flash study as dangerous, the new switchgear provides increase power to meet the demands of the new screening 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	%
Cement Mason	80.00	48.00	32.00	40.00%	2	0.00	0.00%	16.00	50.00%
Electrician	2,084.50	2,084.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	36.25	36.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	230.00	0.00	230.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	60.00	60.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	96.00	96.00	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tech	5.00	0.00	5.00	100.00%	1	0.00	0.00%	0.00	0.00%
Operator	53.00	53.00	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	2,649.75	2,382.75	267.00	10.08%	4	0.00	0.00%	16.00	5.99%

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

C00739C12 – Patterson Creek Bridge #180I

Department Name: Transportation
 Division: Road Services Division
 Project Name: Patterson Creek Bridge #180L
 Contract Number: C00739C12
 Prime Contractor: MidMountain Contractors, Inc.
 Contract Award Amount: \$1,501,000
 Execution Date: July 10, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2012 13.12%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 13.12%

This project provides for the replacement of Patterson Creek Bridge #180L on SE Duthie Hill Road in King County by clearing and grubbing, grading, gravel borrow, drainage, removing the existing bridge, constructing concrete filled steel pipe pile and concrete cap foundation, furnishing and placing precast voided slab units, constructing a geofoam subgrade, erosion control, signal modification, surfacing with crushed surfacing, paving with hot mix asphalt, bridge rail, beam rail guardrail, temporary traffic control, and other work, all in accordance with the attached Plans, these Special Provisions, and the 2012 APWA/WSDOT Standard Specifications for:
 Road, Bridge, and Municipal Construction

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	2,794.50	2,314.50	480.00	17.18%	1	0.00	0.00%	0.00	0.00%
Cement Mason	558.50	269.50	289.00	51.75%	3	0.00	0.00%	74.00	25.61%
Concrete Boom Pumper	29.80	29.80	0.00	0.00%	0	0.00	-	0.00	-
Electrician	356.00	356.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	533.00	533.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,077.80	940.30	137.50	12.76%	5	0.00	0.00%	8.00	5.82%
Operator	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	67.00	67.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	716.00	716.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	49.50	49.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	520.00	520.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	161.00	161.00	0.00	0.00%	0	0.00	-	0.00	-
Total	6,907.10	6,000.60	906.50	13.12%	9	0.00	0.00%	82.00	9.05%

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

C00742C12 – KC District Court SouthEast Electoral Division Relocation to the MRJC

Department Name: Executive Services
 Division: Facilities Management Division
 Project Name: KC District Court Southeast Electoral Division Relocation to the MRJC
 Contract Number: C00742C12
 Prime Contractor: Kirtley-Cole Associates LLC
 Contract Award Amount: \$3,920,000
 Execution Date: August 2, 2012
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2012 10.39%
Construction Completed:
 ***Cumulative Apprenticeship Rate: 11.99%

This project is to consolidate and relocate King County District Court's Southeast District to the Maleng Regional Justice Center (MRJC).

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	290.00	290.00	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	23.50	0.00	23.50	100.00%	2	0.00	0.00%	0.00	0.00%
Construction Electrician	38.00	0.00	38.00	100.00%	2	0.00	0.00%	30.00	78.95%
Drywall Installer/taper	545.00	545.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	549.00	549.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	208.00	208.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	67.80	67.80	0.00	0.00%	0	0.00	-	0.00	-
Gypsum Drywall Systems Installer	110.00	0.00	110.00	100.00%	3	0.00	0.00%	87.00	79.09%
HVAC (Sheet Metal) Worker	467.50	467.50	0.00	0.00%	0	0.00	-	0.00	-
Insulation (Heat and Frost) Worker	18.00	18.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,684.50	1,502.50	182.00	10.80%	3	104.00	57.14%	0.00	0.00%
Operator	19.50	19.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	128.00	128.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	248.00	140.00	108.00	43.55%	1	0.00	0.00%	0.00	0.00%
Surveyor	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	1.00	1.00	0.00	0.00%	0	0.00	-	0.00	-
Total	4,439.80	3,978.30	461.50	10.39%	11	104.00	22.54%	117.00	25.35%

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