

2017

# Annual Apprenticeship Report



Photo: Student in the Pre-Apprenticeship Construction Training Program (PACT) offered through Seattle Vocational Institute.

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

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## EXECUTIVE SUMMARY



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

*Dow Constantine, King County Executive*

Construction is booming in our region, like much of the rest of the country, as evidenced by the more than three dozen cranes dotting our skyline right now. Hiring in the construction trades has skyrocketed as steel, bricks, and mortar take form to house the people and businesses that make our regional economy strong. But not everyone has shared in the boom, including people of color, and those living in economically disadvantaged areas of King County.

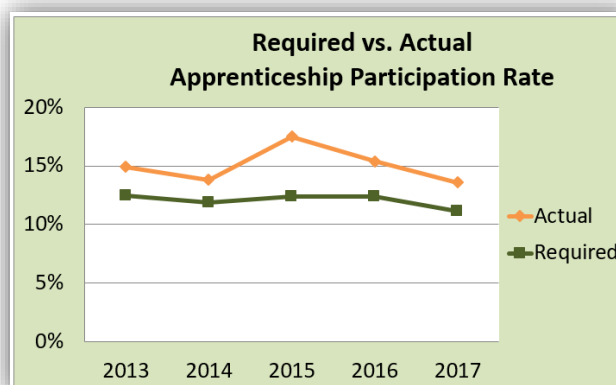
Skilled workers are essential to the health of our economy. Apprenticeship can equip workers for construction careers in a range of trades and lead to family wage jobs. King County's Apprenticeship Program provides individuals with on-the-job paid training with classroom instruction for entry-level construction jobs. The program requires prime contractors to employ apprentices for a certain percentage of labor hours on County-funded construction projects.

Starting in 2016, King County supplemented its long standing apprenticeship requirements with a new pilot program called "Priority Hire." Priority Hire is a place-based equity strategy designed to give local workers from economically disadvantaged areas an opportunity to work on county construction projects. The enclosed report highlights the success of our initial pilot projects.

The ongoing Apprenticeship Program requirements coupled with the new Priority Hire pilot program led to the following results in 2017:

- 67,538 apprentice labor hours
- 13.7% overall apprentice rate
- 399 registered apprentices
- 31.8% minority apprentice rate
- 7.7% women apprentice rate

The enclosed chart illustrates the actual apprenticeship participation rates achieved for the 5-year period between 2013 and 2017. Prime contractors have consistently exceeded the overall required apprenticeship rate for each of the past 5 years.



With our construction boom, the demand for skilled workers continues to outpace supply. We need to keep growing our Apprenticeship and Priority Hire programs to expand construction jobs and to enhance equity and diversity in the construction trades. By connecting people in our communities to high-demand construction jobs, we will ensure our region has the skilled workforce our rapidly growing region needs.

## REPORT OVERVIEW

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

The report contains the following five sections plus appendices:

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

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

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

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

### **Section 3: Apprenticeship Utilization and Participation by Populations**

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

### **Section 4: Implementation Process and Challenges**

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

### **Section 5: Number of Apprentices during the Report Period**

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

### **Appendices**

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

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*Front Page Photo: Student in the Pre-Apprenticeship Construction Training Program (PACT) offered through Seattle Vocational Institute that provides students with skills they need to enter the construction industry. PACT is a formally recognized apprenticeship preparation program by the Washington State Apprenticeship and Training Council.*

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## 2017 General Summary

Total Labor Hours on KC Projects	494,098
Actual Apprentice Hours Worked	67,538
Actual Apprentice Hours Percentage	13.7%
Apprentice Hours Overall Goal at 11.1%	54,845
[1] Number of Apprentices	399



### Apprentice Population Summary

Population	Number	Hours	% Hours
Caucasian Men	242	42,147	62.4%
Caucasian Women	27	3,880	5.7%

[2] Disabled Persons			Not in total
Disadvantaged Youth		0	Not in total

Minority Men	116	20,156	29.8%
Minority Women	14	1,355	2.0%
<b>Subtotal Minorities</b>	<b>130</b>	<b>21,511</b>	<b>31.8%</b>

**% Apprentice Hours by Race:**

Apprentice Hours by Race				
Asian	Black	Hispanic	Native	Pacific Islander
1,518	8,124	2,415	4,131	3,968
0	578	506	38	234
1,518	8,702	2,921	4,169	4,201
<b>2.2%</b>	<b>12.9%</b>	<b>4.3%</b>	<b>6.2%</b>	<b>6.2%</b>

Department Summary	Projects	\$ Amount	Labor Hrs	No. Apprentices	Apprentice Hrs	% Use
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### Executive Services

Facilities Management Division	1	\$154,000,000	45,427	60	8,979	19.8%
<b>Subtotal</b>	<b>1</b>	<b>\$154,000,000</b>	<b>45,427</b>	<b>60</b>	<b>8,979</b>	<b>19.8%</b>

### King County Information Technology

Information Technology	3	\$6,750,000	5,474	8	152	2.8%
<b>Subtotal</b>	<b>3</b>	<b>\$6,750,000</b>	<b>5,474</b>	<b>8</b>	<b>152</b>	<b>2.8%</b>

### Natural Resources & Parks

Parks & Recreation	1	\$1,927,661	2,650	2	190	7.2%
Solid Waste Division	4	\$94,948,849	74,820	70	9,909	13.2%
Wastewater Treatment Division	17	\$219,763,777	250,648	160	33,788	13.5%
Water & Land Resources Division	7	\$19,760,261	40,111	32	8,083	20.2%
<b>Subtotal</b>	<b>29</b>	<b>\$336,400,548</b>	<b>368,229</b>	<b>264</b>	<b>51,970</b>	<b>14.1%</b>

### Transportation

King County International Airport	3	\$7,008,341	6,525	12	304	4.7%
Road Services Division	2	\$23,313,809	57,946	20	4,205	7.3%
Transit Division	7	\$11,058,101	10,498	35	1,927	18.4%
<b>Subtotal</b>	<b>12</b>	<b>\$41,380,251</b>	<b>74,968</b>	<b>67</b>	<b>6,436</b>	<b>8.6%</b>

<b>Departments</b>	<b>Total</b>	<b>45</b>	<b>\$538,530,799</b>	<b>494,098</b>	<b>399</b>	<b>67,538</b>	<b>13.7%</b>
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[1] Total number of individual 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 percent 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 percent is realistic and attainable for these projects.

### **III. Highways and Bridges**

Highway and bridge projects, including roads, paving, and park and ride lots, generally involve trades that include equipment operators and laborers. An apprenticeship requirement of 5 percent is realistic for these projects due to the specialized equipment used and reduced number of laborers. 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 establishes training hours for FHWA projects. This report does not provide information on the number of trainees or labor hours worked on FHWA projects.

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 percent requirement is more realistic on pipeline projects. Pump stations typically employ 8 to 10 construction trades and are capable of achieving a 15 apprenticeship requirement.

As different King County Departments' public works projects often fall within certain construction categories, an expected range in apprenticeship usage rates for those departments is between 5 and 15 percent, depending on the of construction type in which the department specializes. In 2017, King County Departments' apprenticeship rates on construction projects that included these requirements ranged from 3 percent to 19 percent, with an average of 13.7 percent, surpassing the overall required apprenticeship rate of 11.1 percent by 2.6 percent. These trends indicate that, overall, prime contractors generally met or exceeded the apprenticeship requirements established for their contracts during the report period.

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

In 2017, King County achieved an overall apprenticeship rate of 13.7 percent for all public works projects subject to the apprenticeship requirements. The overall apprenticeship rate is calculated by dividing the total of apprentice labor hours by the total of all labor hours associated with applicable projects. These projects do not include work order contracts for construction services.



Table 1 below is a data comparison of the 2016 and 2017 participation rates in labor hours and the number of apprentices employed on County public works projects.

**Table 1 - Comparison 2017 / 2016 Apprentice Participation**

Apprentice Participation	2016	2017	% Change from 2016
Number of Projects	33	45	+36.4%
Total Labor Hours	442,348	494,098	+11.7%
Total Apprentice Labor Hours	68,092	67,538	-0.8%
Apprentice Participation Rate	15.4%	13.7%	-1.7%
Required Apprenticeship Percentage	11.2%	11.1%	-0.1%
Apprentices Employed on County Projects	354	399	+12.7%

Table 1 contains data on the number of King County construction projects subject to the apprenticeship requirements. This figure increased from 33 projects in 2016 to 45 projects in 2017. This change is attributable to an increase in the number of projects subject to the apprenticeship requirements for King County's Department of Transportation (KCDOT), and the Department of Natural Resources and Parks (DNRP). For KCDOT the number of projects increased from 7 in 2016 to 12 in 2017, and for DNRP from 24 to 29 projects.

The data also reveals a corresponding increase of 11.7 percent in the total labor hours worked on these projects. DNRP was a major contributor to the increase in apprentice labor hours worked in 2017. Of the total 494,098 labor hours worked on county projects subject to the apprenticeship requirements, DNRP contributed 368,229 or 74 percent of all labor hours performed during the report period.

Although the county experienced an increase in the number of projects subject to the apprenticeship requirements, and a corresponding increase in the number of apprentices employed on these projects in 2017, apprentices performed 0.8 percent fewer labor hours on these projects compared to the previous program year. This small change is due to the majority of construction projects being in the early phases of construction when a fewer number of trades are involved in the work.

## Section 3: APPRENTICESHIP UTILIZATION AND PARTICIPATION BY POPULATIONS

### I. Populations in King County's Apprenticeship Program

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

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

Caucasian men continue to represent the largest number of apprentices and the highest percentage of all labor hours performed by apprentices on King County construction projects, commanding 42,147 or 62.4 percent.



When apprentice participation rates for minority men are examined by race, these percentages are lower. African American males represent the highest percentage of all labor hours performed by minority apprentices on King County construction projects, commanding 8,124 or 40.3 percent of all minority men apprentices participating on county construction projects in 2017. Native American men constitute the next largest group at 20.5 percent; Pacific Islanders are 19.7 percent; Hispanics at 12 percent, and Asian American represent 7.5 percent. See the 2017 General Summary Table on page 8.



In 2017, women apprentices made up 7.7% percent of all apprentices participating in King County's Apprenticeship Program. This percentage of women apprentices in the County's Apprenticeship program is higher than nationwide participation trends. Nationally, women make up about 3% percent of the apprentices in the construction workforce; minority women comprise approximately 1% percent of this percentage.

During the report period, Caucasian women made up the largest number of women apprentices with a total of twenty-seven (27) workers participating on county construction projects representing 65.8 percent of all women apprentices. During the same period, the total number of labor hours worked by minority women apprentices decreased by 24.1 percent from 1,790 labor hours performed in 2016 to 1,355 labor hours worked in 2017. The number of minority women apprentices increased by four. When the participation rates of women apprentices are examined by race, these figures reflect the challenge we are facing. In 2017, the overall apprenticeship rate for minority women was 2 percent. Of this percentage, African American women represent 0.9 percent; Hispanic women 0.7 percent; Pacific Islander women 0.3 percent, Native women 0.06 percent, and Asian women 0 percent of all female apprentices.

**Table 2- Apprentice Numbers and Labor Hours by Groups**

Population	Number of Persons		% Change	Labor Hours		% Change
	2016	2017		2016	2017	
Caucasian Men	213	242	13.6%	44,300	42,147	-5.9%
Minority Men	111	116	4.5%	15,827	20,156	+28.6%
Minority Women	10	14	40.0%	1,790	1,355	-24.1%
Caucasian Women	20	27	35.0%	6,176	3,880	-36.1%

**Table 2A - Minority Women - Apprentice Numbers and Labor Hours**

Population	Number of Persons		Labor Hours	
	2016	2017	2016	2017
Hispanic Women	3	5	213	506
African American Women	3	3	123	578
Asian Women	2	4	1,372	234
Native Women	2	2	83	38

Table 3 below contains data on the participation rate of members of each group and the percentage change from year 2016 and 2017.

**Table 3 - Apprentice Participation Rate by Groups**

Population	Population Rate		
	2016	2017	% Change
Caucasian Men	65.1%	62.4%	-2.7%
Minority Men	23.2%	29.8%	+6.6%
Minority Women	2.6%	2.0%	-0.6%
Caucasian Women	9.1%	5.7%	-3.4%

## II. Disabled Persons and Economically Disadvantaged Youth

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

## Section 4: IMPLEMENTATION PROCESS AND CHALLENGES

### I. Compliance with Apprentice Utilization Rates by Contractors

The report appendix includes a profile for each construction project subject to apprenticeship requirements in 2017. The data reveals that contractors are exceeding expectations for apprentices working on these King County-funded public works projects. In 2017, the required percentage rate for these public works projects was 11.1% percent. Prime contractors collectively achieved 13.7% percent apprenticeship participation in 2017, surpassing the required rate by 2.6% percent.

#### 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 estimated labor hours for the project. The program contains provisions for contractors who encounter situations in which they are unable to obtain enough apprentices to meet the established requirement.

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

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



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

#### Cycle of Construction Projects

The cycle of construction projects has an impact on the overall apprenticeship rate. The overall percentage of contractors who met or exceeded the apprenticeship requirements established for projects completed during the report period was 100% percent.



## II. Recruitment and Retention of Apprentices

The recruitment and retention of construction workers continues to be a challenge, especially for women and people of color. Undertaking successful recruitment and retention efforts requires a clear understanding about why people enter and exit the construction workforce pipeline.

### Women Apprenticeship Challenges

Providing support for women when entering a predominantly male environment before it is fully inclusive requires a cultural shift. Orienting women apprentices to prepare to navigate cultural elements of their new work environment is important to provide a realistic picture of the trade and assurance that gender is not a determinant of success. A means to capture and resolve challenges faced by apprentices and to encourage their continued participation in the industry is an ongoing effort for King County and other jurisdictions. While all apprentices experience these challenges to some degree, they seem to be especially common for women.

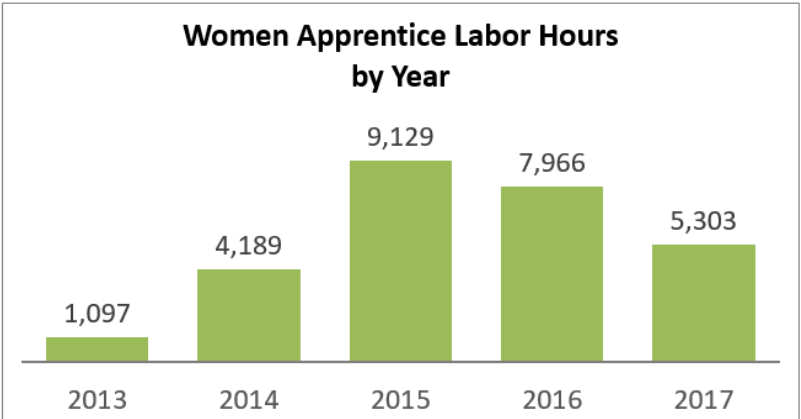
- *Recruitment of Women.* Recruiting more women into the trades is a key challenge to address, beginning in the high schools.
- *Satisfactory Training and Job Assignments.* Many women apprentices have an unclear understanding of the skills progression they are expected to learn on the job as they may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



In 2017, there has been a dramatic increase in collaboration between public agencies that has had a cumulative effect of shifting progress in areas such as outreach and recruitment. Continued support for apprentices once they are employed in their craft continues to be a concern as demonstrated by low retention rates for apprentices, particularly during their probationary period. An apprentice's probationary period is up to one year or 25 percent of the length of the apprenticeship, whichever is less, according to the U.S. Department of Labor.

The retention of women in the construction industry is important to success. The number of women who have been recruited to the trades and who have received training and achieved entry level status is much higher than the number who have stayed in the trades and made it a career. The chart on this page titled, "Women Apprentice Labor Hours by Year," provides a look at the 5-year trend for the

**Table 4-Women Apprentices Participation, 5- Year Trend**



participation of women apprentices on King County construction projects that include apprenticeship requirements. Generally, resources spent on recruitment efforts outweigh those spent on retention. Addressing this challenge requires funding and a dual emphasis on both initial training and ongoing retention in order to ensure the advancement of women in the construction industry.

Cancellation Rates for Minorities and Women Apprentices

A rising concern is the high cancellation rate for minorities and women who are already underrepresented in construction apprenticeships and in the industry's workforce overall.

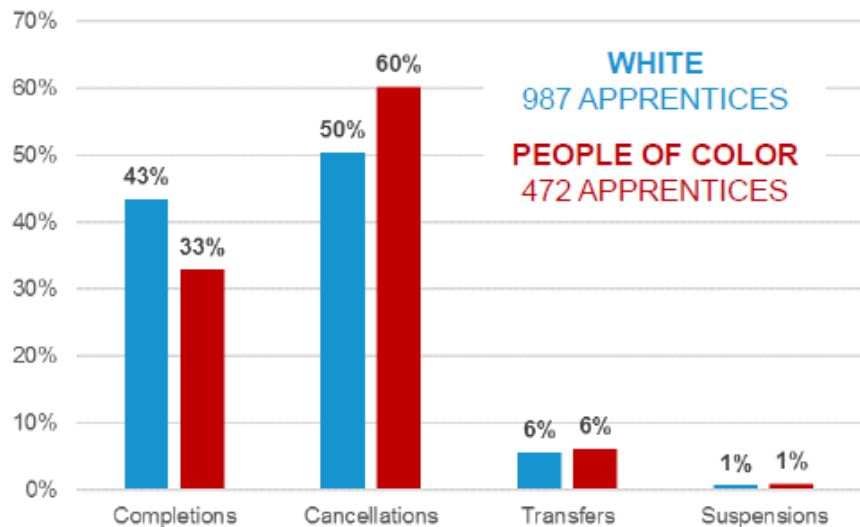
The majority of apprentices who cancel out of their programs do so during the first year or within their probationary period. An apprentice probationary period is up to one year or 25 percent of the length of the apprenticeship, whichever is less. During this period, an apprentice tries out a new career and employer while the apprenticeship program further assesses the apprentice's ability to work in the industry. Approximately 50% of all apprentices (minority, female and white male) cancel out of apprenticeship programs before they reach Journeyman status. The data is more troubling for minority and women apprentices who cancel out of their apprenticeships at higher rates.

In King, Pierce, and Snohomish Counties, during the period 2011 to 2015, the race with the highest number of completions was white with 428 average annual completions. Minorities tend to cancel at higher rates than their white counterparts. During the same period, an annual average of 155 minority apprentices completed their programs and 284 canceled their programs.

Among apprentices who entered the system between 2011 and 2015, 60 percent of minorities cancelled and 33 percent completed, while 50 percent of whites cancelled and 43 percent completed.

Source: City of Seattle Construction Hiring Analysis, December 2016

King, Pierce, and Snohomish Counties; 2011-2015 average

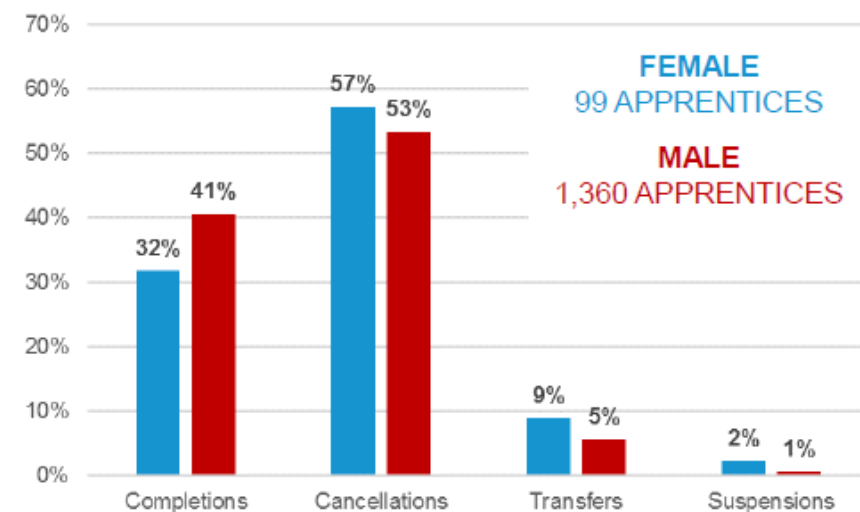


Source: Washington State Department of Labor and Industries, 2016; Community Attributes Inc., 2016.

Women cancel out of construction apprenticeships at higher rates than men. Of construction apprentices registered between 2011 and 2015, 57 percent of women cancelled compared to 53 percent of men.

Source: City of Seattle Construction Hiring Analysis, December 2016

King, Pierce, and Snohomish Counties; 2011-2015 average



Source: Washington State Department of Labor and Industries, 2016; Community Attributes Inc., 2016.



### Regional Approaches and Resources for Addressing the Challenges

To address the challenges mentioned in this section, the county is continuing to expand its coordination and partnerships to improve the quality of training, support services and job placement efforts. Coordination efforts will support a more efficient use of funds by eliminating duplication of services and create maintainable partnerships. Coordination will also improve accountability and efficiency by broadening the number of stakeholders, partners and investors in workforce diversity in the construction trades.

King County's coordination with other local and state agencies through the Regional Public Owners (RPO) group has led to discussions and development of a work plan to address the challenge of increased demand for apprentices statewide and the entry of women and minorities into the construction trades. The RPO is working collaboratively to align priorities across these agencies for the purpose of leveraging and funding effective practices. These practices focus on increasing the entry and retention of diverse workers into the apprenticeship pipeline, which includes pre-apprenticeship and apprenticeship training programs that can provide outreach, recruitment, and training to qualified individuals.

In addition to the county's participation as an RPO member, the county is participating in the Regional Pre-Apprenticeship Collaborative (RPAC). The RPAC has a focus on addressing issues such as barriers to employment for women and minority apprentices and actions that connect pre-apprenticeship and apprenticeship program graduates to employment. The RPAC has progressed steadily this past year, creating a charter, by-laws, and committees to drive the mission and direction of the collaborative. Most importantly, these meetings include graduates from pre-apprenticeship and apprenticeship programs who are present to speak about their actual experience in navigating the apprenticeship system. A goal of RPAC is to bring together training programs, community based organizations, labor, contractors and others with an interest in outreach, recruitment, training, and support for persons entering apprenticeship. The RPAC identifies ways of removing barriers so that qualified individuals can enter the construction industry. The RPO group mentioned above is engaged in this collaborative. Both groups are working in coordination to address the challenges for increasing the diversity of workers in the construction trades and responding to the construction workforce shortage.

In 2017, King County announced a multijurisdictional partnership to invest \$2.1 million in construction training and worker support services. This action is an extension of work undertaken by the RPO group that resulted in a partnership between King County, the Port of Seattle and the City of Seattle. The partnership will provide joint funding for pre-apprenticeship and worker retention services and the ability to participate in Priority Hire projects. These investments aim to recruit and increase the number of women, people of color, and residents living in economically distressed areas into construction careers while also addressing the critical issue of affordability within the region.



This multijurisdictional effort – with \$760,000 in City funds, \$1.2 million in Port funds and an initial budget allocation of \$200,000 in King County funds – will support pre-apprenticeship training services that focus on construction skills-building and construction worker retention services to give workers needed assistance to thrive in a career in the construction trades. The following five organizational partnerships have been selected to receive funding for a two-year period estimated to begin the first quarter of 2018:

Pre-apprenticeship Training Services

- Seattle Vocational Institute Pre-Apprenticeship Construction Training (PACT) in partnership with Seattle Goodwill and Urban League of Metropolitan Seattle.
- Apprenticeship & Nontraditional Employment for Women (ANEW) in partnership with Pre-Apprenticeship Construction Education (PACE).
- Ironworkers Pre-Apprenticeship

Construction Worker Retention Services

- Urban League of Metropolitan Seattle
- Apprenticeship Opportunities Program (AOP)

Our region is experiencing a boom in the construction sector. This growth has prompted a review of the current focus of the county's Apprenticeship Program. Traditionally, the program has had a contractor compliance focus where the county establishes requirements for the use of registered apprentices on construction projects and then monitors prime contractors compliance with these requirements. In addition to this compliance focus, the Apprenticeship Program needs to focus increasing attention on supporting outreach, recruitment, retention, training and job placement activities. The anticipated outcome is an increase in the employment of minorities and women in the construction trades.

The aforementioned regional partnership approach creates an exceptional opportunity to impact workforce development through publicly funded construction contracts. The overarching goal is to improve access to training programs and well-paying construction jobs for local workers, and yield a higher return on investment by increasing worker skills and productivity, while increasing the workforce diversity on these projects. The training and retention services also support the goals of the King County, City of Seattle, and Port of Seattle Priority Hire programs.

To help increase access to jobs in the skilled trades for under-represented communities, King County provides support for the Apprenticeship Opportunity Project (AOP) as part of its contract with Port Jobs to recruit low-income residents from the White Center and Skyway unincorporated communities into apprenticeship opportunities. Port Jobs partners with the non-profit agency Apprenticeship and Non-Traditional Employment for Women (ANEW), to provide AOP's services with their pre-apprenticeship training program. ANEW is one of the oldest pre-apprenticeship programs serving women in the nation. In 2017, AOP placed 49 people in apprenticeships and another 7 people in trades-related jobs for a total of 56 placements. Of those people placed, 45 percent were women and 81 percent were people of color. The top three apprenticeship placements by trade were carpenters, electricians and laborers.

AOP also promotes the retention of low-income individuals, women, and people of color by providing support services such as case management and financial assistance for items associated with retaining a trades-related job. This includes support for dues, transportation

expenses, classroom tuition, and proper work attire and tools. In 2017, AOP disbursed support services to 34 people. The six month retention rate is 89 percent for people placed during the contract period (January 1, 2017 through December 31, 2017) who were eligible for 6-month retention and where placement status is known (i.e., 9 placed; 8 retained at 6 months).

This program previously was only available to residents of King County, but is now available to those in need of supportive services statewide. In managing this program, ANEW has established an effective process to provide supportive services, and the County is looking into ways to continue supporting this program.

## Section 5: Priority Hire Pilot Program

Since May 2016, King County had been implementing a Priority Hire pilot program for King County capital construction projects valued at \$25 million or above. Priority Hire is a workforce equity program designed to prioritize economically disadvantaged local workers for inclusion in County construction projects. Though many populations and areas of King County are thriving, not all populations, especially many communities of color and those living in economically disadvantaged communities, have access to jobs that pay family wages. The program is also critical for addressing a widening gap between the demand for construction labor and the supply of skilled trade workers in our regional labor market.

Priority Hire is implemented via a Community Workforce Agreement (CWA). A CWA is negotiated between King County and various labor unions. It is the same as a Project Labor Agreement (PLA) with the added component of priority hiring. Specifically, the CWA establishes worksite conditions on a given project, including hiring requirements and methods for resolving labor disputes without resorting to strikes or lockouts.

To establish a strong and legally defensible Priority Hire program, the County has commissioned and completed two related studies, in advance of implementing pilot projects. The results of these studies have identified 43 economically disadvantaged zip code areas based on poverty levels, unemployment, and educational attainment for priority hiring.

In 2017, King County transmitted an ordinance to create a permanent Priority Hire program for King County capital construction projects. This important legislation will benefit King County residents as a short and long-term strategy for increasing the supply of construction workers, improving access to local jobs that pay family wages, and building careers in the construction trades industry for residents of our local communities<sup>1</sup>.

### How Priority Hiring Works

On certain County construction projects, a percentage of all labor hours are directed to individuals that reside in particular geographic areas that are designated by ZIP code and identified based on economic criteria. Within the requirements of a CWA, contractors agree to use the union dispatch process for workers and the union agrees to dispatch Priority Hire workers ahead of other union workers in order to meet the contractor's requirements pertaining to Priority Hire labor hours. The labor hour requirement for Priority Hire workers is set as a percentage of the total labor hours. For example, on three pilot projects, the percentage of Priority Hire journey worker hours was set at 10 percent of the total journey worker hours; and the percentage for Priority Hire apprentices was set at 5 percent of the total apprentice hours. *See Table-6 King County Priority Hire Zip Codes on page 22.*

### Priority Hire Pilot Projects Underway

During this report period three pilot projects were launched and are now underway, including two wastewater projects and one solid waste project. Each of these projects are estimated to cost \$25 million or above, and therefore are covered by a CWA, consistent with an earlier Executive Order

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<sup>1</sup> On March 5, 2018 the King County Council adopted Ordinance No. 18672, creating a permanent Priority Hire program and immediately setting a new threshold of \$15 million or above for projects with a Community Workforce Agreement.

for Project Labor Agreements (PLAs). Below is information on Priority Hire pilot projects launched in 2017. Table-5 recaps total labor hours to date on for the three projects followed by additional information for each project about Priority Hire labor hours and the race categories of apprentices.

**Table 5-Pilot Priority Hire Program Preliminary Results**

Project	Total Labor Hours Worked on Project		Required % of Labor Hours for Priority Hire		Actual % and Labor Hours for Priority Hire	
	Apprentices	Journey	Apprentices	Journey	Apprentices	Journey
Cedar Hills Area 8 & 7 Closure Project	4,964	34,742	5%	10%	<b>866 (17.4%)</b>	<b>7,566 (21.8%)</b>
Sunset & Heathfield project	100	<b>5,414</b>	5%	10%	92 (92.0%)	877 (16.2%)
Georgetown Wet Weather Treatment Station project (Phase 1)	824	<b>3,492</b>	5%	10%	639 (77.5%)	<b>521 (14.9%)</b>

As of December 31, 2017

1) Construction of Cedar Hills Regional Landfill, Area 8 Refuse Facility and Area 7 Stage 3 & 4 Closure Project

Prime Contractor: Scarsella Brothers, Inc.

Contract Amount: \$32.6 million

Projected Labor Hours: 82,016

Duration: 365 days (1 year)

Execution Date: 6/2/2017

As of December 31, 2017, journey workers have performed 34,742 of the total labor hours worked on this project. Priority Hire journey workers performed 7,566 or 21.8 percent of these labor hours.

During the same period, apprentices performed 4,964 of the total labor hours worked on this project. Priority Hire apprentices represent 866 of these labor hours or 17.4 percent.

Project	Race / Gender	Count of Apprentices	Total Hours
C01129C17	Asian Male	1	192
	Black Male	2	43
	Pacific Islander Male	3	1971
	White/Other Female	4	950
	Male	6	1800
	Native American Male	1	8
Total labor Hours:			4964

2) Sunset and Heathfield Pump Stations and Force Main Upgrade

Prime Contractor: Flatiron West, Inc.

Contract Amount: \$36.6 million

Projected Labor Hours: 68,972

Duration: 943 days (2.58 years)

Execution Date: 4/17/2017

As of December 31, 2017, journey workers have performed 5,414 of the total labor hours worked on this project. Of this number, Priority Hire journey workers have performed 877 or 16.2 percent of these labor hours.

During the same period, apprentices performed 100 of the total labor hours worked on this project. Priority Hire apprentices represent 92 of these labor hours or 92 percent.

Project	Race / Gender	Count of Apprentices	Total Hours
C01008C16	Native American Male	1	8
	Pacific Islander Female	1	8
	Male	1	84
	Total labor Hours:		100

3) Georgetown Wet Weather Treatment Station—Demolition, Remediation, and Site Preparation

Prime Contractor: Titan Earthwork, LLC

Contract Amount: \$2.8 million

Projected Labor Hours: 325,280

Execution Date: 3/17/2017

As of December 31, 2017, journey workers performed 3,492 of the total labor hours worked on this project. Of this number, Priority Hire journey workers have performed 14.9 percent of these labor hours.

Project	Race / Gender	Count of Apprentices	Total Hours
C01026C17	Black Male	1	8
	Hispanic Male	1	578
	White/Other Female	1	3
	Male	6	235
	Total labor Hours:		824

During the same period, apprentices performed 824 of the total labor hours worked on this project. Priority Hire apprentices represent 639 of these labor hours or 77.5 percent.

These preliminary results on the pilot projects indicate that Priority Hire is the right policy for King County because it advances equity and social justice goals and grows a skilled workforce that will be necessary for our region's continued prosperity. The County will use the experience learned from the pilot projects and information obtained from community stakeholders to further the program goals.

King County Priority Hire ZIP Codes	
98001	Auburn
98002	Auburn
98003	Federal Way
98007	Bellevue
98023	Federal Way
98030	Kent
98031	Kent
98032	Kent
98036	Lynnwood*
98037	Lynnwood*
98043	Mountlake Terrace*
98047	Pacific
98055	Renton
98057	Renton
98087	Lynnwood*
98092	Auburn
98101	Downtown
98102	Capitol Hill/Eastlake
98103	Greenlake
98104	Downtown/ID
98105	Laurelhurst/University District
98106	Delridge
98107	Ballard
98108	S. Beacon Hill/South Park
98109	Queen Anne
98118	Rainier Valley/Rainier Beach
98121	Belltown
98122	Central District
98125	Lake City
98126	Delridge
98133	Bitter Lake
98134	Industrial District
98144	Mount Baker
98146	White Center
98148	Burien
98168	SeaTac/Tukwila
98178	Rainier Beach
98188	SeaTac/Tukwila
98198	Des Moines
98204	Everett*
98208	Everett*
98251	Gold Bar
98321	Buckley*

**Table 6 – King County Priority Hire ZIP Codes**

\*The King County Priority Hire program includes ZIP codes that are in Pierce County and Snohomish County due to residents in those ZIP codes being ratepayers in the King County wastewater services area, and would be eligible for employment on wastewater treatment construction projects.

## Section 6: 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 (WSATC) collects and tracks statistics on newly indentured and graduated apprentices. L&I provides data on the number of indentured (registered) apprentices into WSATC-approved apprenticeship programs and the number of apprentices receiving completion certificates to journey level status. The table below displays data for 2017 reported by L&I for Washington State, including those who performed work on King County contracts.

L&I reports there were 17,160 active apprentices for the 12-month period ending December 31, 2017. Of this number, 1,596 are women and 6,224 are minorities. Table-7 below contains data reported by L&I for each quarter in 2017 on the number of registered and graduated apprentices.

**Table 7 – Registered and Graduated Apprentices**

<b>12-month Period Ending December 31, 2017</b>		
Data Reported by the Washington State Department of Labor and Industries		
<b>Period</b>	<b>Registered Apprentices</b>	<b>Graduated Apprentices</b>
Q1 <i>(Jan – Mar '17)</i>	976	179
Q2 <i>(Apr – Jun '17)</i>	1573	272
Q3 <i>(Jul – Sep '17)</i>	1526	237
Q4 <i>(Oct – Dec '17)</i>	1103	239

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



## APPENDIX A: GLOSSARY

### ACRONYMS

<b>AOP</b>	Apprenticeship Opportunities Project
<b>ANew</b>	Apprenticeship and Non-traditional Employment for Women
<b>AUP</b>	Apprentice Utilization Plan
<b>AUR</b>	Apprentice Utilization Report
<b>CITC</b>	Construction Industry Training Council
<b>CWA</b>	Community Workforce Agreement
<b>DNRP</b>	Department of Natural Resources and Parks
<b>DOT</b>	Department of Transportation
<b>FMD</b>	Facilities Management Division
<b>WSATC</b>	Washington State Apprenticeship and Training Council

## **DEFINITIONS**

### **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 County public work contracts. All actions 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.

### **Community Workforce Agreement**

The agreement executed between King County and labor unions that represent the trades and crafts that have workers who typically perform on County public works projects.

### **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).

### **Journey-Level Worker**

An individual who has sufficient skills and knowledge of an occupation, either through a formal Apprentice Training Program or through practical on-the-job work experience, to be recognized by a state or federal registration agency and/or an industry as being fully qualified to perform the work of the occupation.

### **Labor Hours**

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

### **Priority Hire**

The Priority Hire pilot program prioritizes workers living in economically-distressed ZIP codes, women, people of color and preferred entry candidates for hire on King County Covered Projects.

## **APPENDIX B: PROJECTS SUBJECT TO APPRENTICESHIP REQUIREMENTS IN 2017**

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, 2017 through December 31, 2017.

In addition, each table reports data on the cumulative apprenticeship rate for each project as of December 31, 2017.

## C00678C12 - Factoria Recycling and Transfer Station

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Factoria Recycling and Transfer Station  
 Contract Number: C00678C12  
 Prime Contractor: PCL Construction Services, Inc.  
 Contract Award Amount: \$43,649,999  
 Execution Date: July 7, 2014  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 15.09%  
**Construction Completed:** 99.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.80%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	** Apprentice Hours			
						*Women	%	Minorities	%
Brick Layer	203.00	203.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	1,156.50	679.50	477.00	41.25%	2	0.00	0.00%	477.00	100.00%
Carpenter, Piledriver	130.50	0.00	130.50	100.00%	1	0.00	0.00%	0.00	0.00%
Cement Mason	1,586.00	1,301.50	284.50	17.94%	5	0.00	0.00%	8.00	2.81%
Commercial Glazier	47.50	0.00	47.50	100.00%	2	0.00	0.00%	0.00	0.00%
Concrete Boom Pumper	8.30	8.30	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	609.00	0.00	609.00	100.00%	3	0.00	0.00%	0.00	0.00%
Diver	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Drywall Finisher (Taper)	443.00	443.00	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	524.50	524.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,898.00	1,898.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,777.70	4,777.70	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	215.80	215.80	0.00	0.00%	0	0.00	-	0.00	-
Glazier	152.20	152.20	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	23.50	23.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	355.00	355.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	81.50	0.00	81.50	100.00%	2	0.00	0.00%	0.00	0.00%
HVAC/Refrigeration Mechanic	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	224.00	0.00	224.00	100.00%	3	0.00	0.00%	0.00	0.00%
Insulation Worker	48.00	48.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	682.00	682.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	74.50	8.00	66.50	89.26%	1	0.00	0.00%	0.00	0.00%
Irrigation Pump Installer	651.50	651.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	7,165.40	4,825.30	2,339.50	32.65%	11	0.00	0.00%	1,553.00	66.38%
Laborer (City of Seattle)	144.00	144.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	6,276.00	6,276.00	0.00	0.00%	0	0.00	-	0.00	-
Lathing Acoustical Drywall Syst	48.00	0.00	48.00	100.00%	2	0.00	0.00%	48.00	100.00%
Low Energy/Sound & Comm	14.50	0.00	14.50	100.00%	2	6.50	44.83%	0.00	0.00%
Marine/Industrial/Coating and L	56.00	0.00	56.00	100.00%	1	0.00	0.00%	56.00	100.00%
Other Trade	109.20	109.20	0.00	0.00%	0	0.00	-	0.00	-
Painter	533.00	533.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	76.00	0.00	76.00	100.00%	1	0.00	0.00%	0.00	0.00%
Piledriver	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	1,110.00	1,099.00	11.00	0.99%	2	0.00	0.00%	0.00	0.00%
Roofer	1,502.00	1,402.00	100.00	6.66%	4	0.00	0.00%	21.00	21.00%
Sheet Metal Worker	210.50	0.00	210.50	100.00%	4	14.00	6.65%	14.00	6.65%
Sprinkler Fitter	188.00	104.00	84.00	44.68%	3	0.00	0.00%	8.00	9.52%
Surveyor	49.50	49.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	808.40	808.40	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technicia	30.50	30.50	0.00	0.00%	0	0.00	-	0.00	-
Traffic control strip	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>32,275.00</b>	<b>27,404.00</b>	<b>4,871.00</b>	<b>15.09%</b>	<b>50</b>	<b>20.50</b>	<b>0.42%</b>	<b>2,185.00</b>	<b>44.86%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00762C14 – Fremont Siphon Replacement & Odor Control Facility

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 13.87%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 16.83%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Brick Layer	786.50	597.00	189.50	24.09%	3	0.00	0.00%	80.50	42.48%
Bricklayer	71.80	71.80	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	667.50	637.00	30.50	4.57%	1	0.00	0.00%	0.00	0.00%
Electrician	511.00	511.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,690.50	1,690.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	232.25	232.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	182.00	0.00	182.00	100.00%	3	0.00	0.00%	130.00	71.43%
Iron Worker	336.00	336.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	44.00	0.00	44.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	2,132.85	1,351.85	781.00	36.62%	2	0.00	0.00%	773.00	98.98%
Landscaper	943.20	943.20	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	80.50	58.00	22.50	27.95%	2	0.00	0.00%	0.00	0.00%
Surveyor	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,215.00	1,215.00	0.00	0.00%	0	0.00	-	0.00	-
Tree Trimmer	55.00	55.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>9,009.10</b>	<b>7,759.60</b>	<b>1,249.50</b>	<b>13.87%</b>	<b>12</b>	<b>0.00</b>	<b>0.00%</b>	<b>983.50</b>	<b>78.71%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00807C13 – Murray CSO Control Facility

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 12.82%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 14.62%

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

### 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	252.25	252.25	0.00	0.00%	0	0.00	-	0.00	-
Acoustical Applicator	46.00	46.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	1,928.00	1,928.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter, Piledriver	584.00	0.00	584.00	100.00%	1	0.00	0.00%	0.00	0.00%
Cement Mason	927.50	927.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	9.50	0.00	9.50	100.00%	2	5.50	57.89%	4.00	42.11%
Construction Site Surveyor/Tech	77.50	77.50	0.00	0.00%	0	0.00	-	0.00	-
Electric Lineman	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	980.50	980.50	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor Mechanic	26.00	0.00	26.00	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	262.33	262.33	0.00	0.00%	0	0.00	-	0.00	-
Housing Plumber	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	1,179.50	0.00	1,179.50	100.00%	2	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Work	100.00	100.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	60.00	60.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	9,835.50	9,291.50	544.00	5.53%	4	0.00	0.00%	10.00	1.84%
Landscape Construction Worker	1,086.50	1,086.50	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	3,106.50	3,106.50	0.00	0.00%	0	0.00	-	0.00	-
Lathing Acoustical Drywall Syste	38.00	0.00	38.00	100.00%	1	0.00	0.00%	0.00	0.00%
Marine/Industrial/Coating and Lini	15.00	0.00	15.00	100.00%	1	0.00	0.00%	15.00	100.00%
Operator	3,356.75	3,356.75	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	407.50	407.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	207.00	0.00	207.00	100.00%	2	35.00	16.91%	35.00	16.91%
Piledriver	18.00	18.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	304.00	0.00	304.00	100.00%	1	0.00	0.00%	0.00	0.00%
Plumber	1,800.00	1,209.00	591.00	32.83%	5	0.00	0.00%	0.00	0.00%
Roofer	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	363.00	356.00	7.00	1.93%	1	0.00	0.00%	7.00	100.00%
Sprinkler Fitter	143.00	97.00	46.00	32.17%	1	0.00	0.00%	0.00	0.00%
Surveyor	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control strip	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	85.00	85.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	522.50	522.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>27,814.33</b>	<b>24,247.33</b>	<b>3,567.00</b>	<b>12.82%</b>	<b>24</b>	<b>40.50</b>	<b>1.14%</b>	<b>71.00</b>	<b>1.99%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00822C13 – South Magnolia CSO Control Project Storage Facility

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 19.59%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.19%

This project is to construct a CSO storage facility.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	863.00	635.50	227.50	26.36%	6	14.00	6.15%	26.00	11.43%
Cement Mason	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	24.00	0.00	24.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	80.00	80.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	2,877.00	2,877.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	614.00	614.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	15.50	15.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	816.50	0.00	816.50	100.00%	2	0.00	0.00%	200.50	24.56%
Iron Worker	151.50	151.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	58.50	0.00	58.50	100.00%	2	0.00	0.00%	21.00	35.90%
Laborer	1,406.50	1,081.50	325.00	23.11%	4	0.00	0.00%	125.00	38.46%
Marine Painter	181.50	0.00	181.50	100.00%	1	0.00	0.00%	0.00	0.00%
Marine/Industrial/Coating and Lin	4.00	0.00	4.00	100.00%	1	0.00	0.00%	4.00	100.00%
Millwright	23.00	23.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	375.00	375.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	103.00	103.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	657.00	657.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	30.50	30.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>8,355.50</b>	<b>6,718.50</b>	<b>1,637.00</b>	<b>19.59%</b>	<b>17</b>	<b>14.00</b>	<b>0.86%</b>	<b>376.50</b>	<b>23.00%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00829C14 - North Creek Interceptor Sewer Improvement Project

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 1.30%  
**Construction Completed:** 69.00%  
 \*\*\*Cumulative Apprenticeship Rate: 12.94%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	673.00	673.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	34.50	0.00	34.50	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	386.00	386.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	6,735.50	6,735.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	780.00	780.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,032.50	1,822.00	210.50	10.36%	5	144.00	68.41%	49.00	23.28%
Operator	629.00	629.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	305.50	305.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	333.00	333.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6,884.00	6,884.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	9.30	9.30	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>18,802.30</b>	<b>18,557.30</b>	<b>245.00</b>	<b>1.30%</b>	<b>6</b>	<b>144.00</b>	<b>58.78%</b>	<b>49.00</b>	<b>20.00%</b>

#### Notes:

\*Hours for Women include minority females

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

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



## C00862C14 - South Treatment Plant Raw Sewage Pumps & Drives Replacement

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 28.86%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.12%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	326.00	326.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	43.00	43.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	184.00	0.00	184.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	231.00	231.00	0.00	0.00%	0	0.00	-	0.00	-
Marine/Industrial/Coating and Liner	200.50	0.00	200.50	100.00%	2	0.00	0.00%	124.50	62.09%
Millwright	60.00	40.00	20.00	33.33%	1	0.00	0.00%	0.00	0.00%
Painter	423.50	423.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	48.00	0.00	48.00	100.00%	1	0.00	0.00%	0.00	0.00%
Plumber	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,568.00</b>	<b>1,115.50</b>	<b>452.50</b>	<b>28.86%</b>	<b>5</b>	<b>0.00</b>	<b>0.00%</b>	<b>124.50</b>	<b>27.51%</b>

#### 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

## C00863C13 – Children and Family Justice Center

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: Children and Family Justice Center  
 Contract Number: C00863C13  
 Prime Contractor: Balfour Beatty Construction, LLC (dba Howard S. Wright)  
 Contract Award Amount: \$154,000,000  
 Execution Date: February 20, 2015  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 19.77%  
**Construction Completed:** 20.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 19.77%

design-build project delivery method for the design and construction of the CFJC 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	%
Asbestos Worker	820.50	820.50	0.00	0.00%	0	0.00	-	0.00	-
Brick Layer	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Bricklayer	137.00	137.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	6,569.00	3,068.00	3,501.00	53.30%	11	473.00	13.51%	611.00	17.45%
Cement Mason	901.00	891.50	9.50	1.05%	1	0.00	0.00%	0.00	0.00%
Constr Equip Operator	479.50	0.00	479.50	100.00%	2	0.00	0.00%	154.00	32.12%
Electrician	4,309.50	4,309.50	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Technician	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,780.00	4,780.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	959.50	959.50	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	400.00	0.00	400.00	100.00%	2	121.50	30.38%	400.00	100.00%
Inside Wire-man	734.00	0.00	734.00	100.00%	6	0.00	0.00%	223.00	30.38%
Ironworker	1,534.50	1,077.00	457.50	29.81%	17	63.00	13.77%	86.50	18.91%
Laborer	10,723.75	7,636.00	3,087.75	28.79%	19	701.00	22.70%	845.75	27.39%
Other Trade	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	1,899.75	1,899.75	0.00	0.00%	0	0.00	-	0.00	-
Plumber	1,360.00	1,050.00	310.00	22.79%	2	0.00	0.00%	0.00	0.00%
Roofer	2,060.00	2,060.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	13.50	13.50	0.00	0.00%	0	0.00	-	2.00	-
Surveyor	1,639.00	1,639.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6,078.20	6,078.20	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>45,426.70</b>	<b>36,447.45</b>	<b>8,979.25</b>	<b>19.77%</b>	<b>60</b>	<b>1,358.50</b>	<b>15.13%</b>	<b>2,322.25</b>	<b>25.86%</b>

#### Notes:

\*Hours for Women include minority females

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

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

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

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

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 56.38%  
**Construction Completed:** 92.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 22.85%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	162.50	162.50	0.00	0.00%	0	0.00	-	0.00	-
Fire Fighter	149.00	0.00	149.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	61.00	0.00	61.00	100.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>372.50</b>	<b>162.50</b>	<b>210.00</b>	<b>56.38%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00894C14 – Ryerson Base Lift Replacement

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 50.11%  
**Construction Completed:** 98.00%  
 \*\*\*Cumulative Apprenticeship Rate: 15.26%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	21.00	21.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	64.00	64.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	146.00	146.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	232.00	0.00	232.00	100.00%	3	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>463.00</b>	<b>231.00</b>	<b>232.00</b>	<b>50.11%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C00946C15 - Rainier Valley Wet Weather Storage Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Rainier Valley Wet Weather Storage Project  
 Contract Number: C00946C15  
 Prime Contractor: James W Fowler Company  
 Contract Award Amount: \$17,344,625  
 Execution Date: April 4, 2016  
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%  
 Apprenticeship Rate: 2017 18.86%  
 Construction Completed: 80.00%  
 \*\*\*Cumulative Apprenticeship Rate: 17.09%

reduce overflows at two King County Combined Sewer Overflow structures (Bayview North and Hanford@Rainier) to one overflow per year on a 20 year average

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Brick Layer	445.00	141.50	303.50	68.20%	3	0.00	0.00%	87.50	28.83%
Bricklayer	589.00	589.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	5,162.50	4,069.00	1,093.50	21.18%	1	0.00	0.00%	1,093.50	100.00%
Carpenter, Piledriver	94.00	0.00	94.00	100.00%	1	0.00	0.00%	0.00	0.00%
Cement Mason	370.50	354.50	16.00	4.32%	2	0.00	0.00%	8.00	50.00%
Concrete Boom Pumper	316.10	316.10	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,199.30	0.00	1,199.30	100.00%	6	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	53.00	53.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,269.00	1,269.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	9,523.10	9,523.10	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	926.00	926.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	54.00	0.00	54.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	174.50	0.00	174.50	100.00%	3	0.00	0.00%	51.00	29.23%
Iron Worker	1,483.50	1,483.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	576.00	0.00	576.00	100.00%	7	56.50	9.81%	262.00	45.49%
Irrigation Pump Installer	79.30	79.30	0.00	0.00%	0	0.00	-	0.00	-
Laborer	8,662.60	5,187.80	3,474.80	40.11%	7	13.00	0.37%	3,273.00	94.19%
Lathing Acoustical Drywall Syste	40.00	0.00	40.00	100.00%	1	0.00	0.00%	0.00	0.00%
Millwright	747.00	747.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	3,186.00	3,186.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	40.80	40.80	0.00	0.00%	0	0.00	-	0.00	-
Painter	354.00	265.00	89.00	25.14%	2	38.00	42.70%	0.00	0.00%
Pile Driver Operator	141.50	141.50	0.00	0.00%	0	0.00	-	0.00	-
Plumber	666.50	630.50	36.00	5.40%	2	0.00	0.00%	0.00	0.00%
Roofer	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	60.50	0.00	60.50	100.00%	2	0.00	0.00%	48.50	80.17%
Sprinkler Fitter	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	363.00	363.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,463.40	1,463.40	0.00	0.00%	0	0.00	-	0.00	-
Traffic control strip	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	128.00	128.00	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	13.00	13.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>38,230.10</b>	<b>31,019.00</b>	<b>7,211.10</b>	<b>18.86%</b>	<b>38</b>	<b>107.50</b>	<b>1.49%</b>	<b>4,823.50</b>	<b>66.89%</b>

#### 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

## C00948C15 – Eastside Interceptor Section 13 Rehabilitation Phase 1

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Eastside Interceptor Section 13 Rehabilitation Phase 1  
 Contract Number: C00948C15  
 Prime Contractor: Frank Coluccio Construction, Inc.  
 Contract Award Amount: \$3,232,793  
 Execution Date: November 12, 2015  
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%  
 Apprenticeship Rate: 2017 2.89%  
 Construction Completed: 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 7.20%

Rehabilitate corroded concrete sewer pipe by installing segmental HDPE or FRPM slip-lining

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Equipment Operator	1,391.30	1,391.30	0.00	0.00%	0	0.00	-	0.00	-
Flagger	663.50	663.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	353.00	263.00	90.00	25.50%	1	90.00	100.00%	0.00	0.00%
Operator	362.50	362.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	188.00	188.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	154.50	154.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,114.80</b>	<b>3,024.80</b>	<b>90.00</b>	<b>2.89%</b>	<b>1</b>	<b>90.00</b>	<b>100.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00951C15 – 63rd PS VFD's and Control Instrumentation Improvements

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

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 13.22%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 20.12%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	40.50	40.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>60.50</b>	<b>52.50</b>	<b>8.00</b>	<b>13.22%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00971C15 – Construction of Aircraft Rescue Firefighting Facility - Rebid

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

Apprenticeship Requirement: 15.00%  
 Apprenticeship Rate: 2017 4.74%  
 Construction Completed: 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 17.81%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Acoustical Applicator	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	1,124.80	1,124.80	0.00	0.00%	0	0.00	-	0.00	-
Carpet, Linoleum & Soft Tile Layer	21.50	21.50	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	18.00	0.00	18.00	100.00%	2	0.00	0.00%	0.00	0.00%
Electrician	172.00	172.00	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Technician	48.50	48.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	67.50	67.50	0.00	0.00%	0	0.00	-	0.00	-
Fire and Burglar Alarm Technician	9.50	0.00	9.50	100.00%	2	0.00	0.00%	5.50	57.89%
Glazier	36.00	36.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	23.00	23.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	139.00	139.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	36.90	0.00	36.90	100.00%	2	0.00	0.00%	7.40	20.05%
Laborer	86.50	57.00	29.50	34.10%	2	24.00	81.36%	24.00	81.36%
Landscaper	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	100.00	100.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	167.00	167.00	0.00	0.00%	0	0.00	-	0.00	-
Soft Floor Layer	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Tilesetter	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,151.20</b>	<b>2,049.30</b>	<b>101.90</b>	<b>4.74%</b>	<b>9</b>	<b>24.00</b>	<b>23.55%</b>	<b>36.90</b>	<b>36.21%</b>

#### 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



## C00973C16 - Kent/Auburn CSI AWI Parallel and Pacific Pump Station Discharge

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Kent/Auburn CSI AWI Parallel and Pacific Pump Station Discharge  
 Contract Number: C00973C16  
 Prime Contractor: KIEWIT INFRASTRUCTURE WEST CO.  
 Contract Award Amount: \$18,566,500  
 Execution Date: February 14, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 6.56%  
**Construction Completed:** 41.00%  
 \*\*\*Cumulative Apprenticeship Rate: 7.05%

The purpose of this project is to increase the capacity of King County's existing sewer system by installing new pipelines.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	392.50	0.00	392.50	100.00%	2	0.00	0.00%	392.50	100.00%
Equipment Operator	3,337.00	3,337.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	1,544.50	1,544.50	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	42.00	0.00	42.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	10,740.25	8,746.25	1,994.00	18.57%	6	0.00	0.00%	1,076.50	53.99%
Operator	8,847.50	8,847.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	40.75	40.75	0.00	0.00%	0	0.00	-	0.00	-
Public Utilities Maint Worker	42.50	42.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	1,511.00	1,511.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	4,526.75	4,526.75	0.00	0.00%	0	0.00	-	0.00	-
Utility Construction Worker	6.50	6.50	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	5,962.00	5,962.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>36,993.25</b>	<b>34,564.75</b>	<b>2,428.50</b>	<b>6.56%</b>	<b>9</b>	<b>0.00</b>	<b>0.00%</b>	<b>1,469.00</b>	<b>60.49%</b>

#### Notes:

\*Hours for Women include minority females

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

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

## C00974C15 – Sinnema Quaale Upper Revetment Reconstruction

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

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 84.36%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 15.67%

Construction of the Sinnema Quaale Upper Revetment Reconstruction project

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Laborer	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	75.50	0.00	75.50	100.00%	1	0.00	0.00%	75.50	100.00%
<b>Total</b>	<b>89.50</b>	<b>14.00</b>	<b>75.50</b>	<b>84.36%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>75.50</b>	<b>100.00%</b>

#### 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

## C01002C15 – PSERN Radio System Multi Site Improvement - Bid Package 1

Department Name: King County Information Technology  
 Division: Information Technology  
 Project Name: PSERN Radio System Multi Site Improvement - Bid Package 1  
 Contract Number: C01002C15  
 Prime Contractor: Mastec Network Solutions, Inc  
 Contract Award Amount: \$2,500,000  
 Execution Date: July 22, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 5.04%  
**Construction Completed:** 39.00%  
 \*\*\*Cumulative Apprenticeship Rate: 5.22%

This solicitation is for construction at nine (9) radio sites as part of King County's new land mobile radio system for the Puget Sound Emergency Radio Network (PSERN).

### 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	327.00	327.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	74.50	74.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	365.00	365.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	51.00	0.00	51.00	100.00%	2	0.00	0.00%	0.00	0.00%
Ironworker	79.25	79.25	0.00	0.00%	0	0.00	-	0.00	-
Laborer	379.25	379.25	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	16.50	0.00	16.50	100.00%	1	0.00	0.00%	16.50	100.00%
Plumber	45.50	45.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,338.00</b>	<b>1,270.50</b>	<b>67.50</b>	<b>5.04%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>16.50</b>	<b>24.44%</b>

#### 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

## C01008C16 – Sunset and Heathfield Pump Stations and Force Main Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Sunset and Heathfield Pump Stations and Force Main Upgrade  
 Contract Number: C01008C16  
 Prime Contractor: Flatiron West, Inc  
 Contract Award Amount: \$36,600,000  
 Execution Date: April 17, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement: 15.00%**  
**Apprenticeship Rate: 2017 1.69%**  
**Construction Completed: 14.00%**  
 \*\*\*Cumulative Apprenticeship Rate: 1.69%

demolish, replace, reconfigure and provide new equipment. Upgrade of electrical, mechanical, structural, and architectural systems. Upgrade building piping systems.

### 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, Piledriver	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	167.50	167.50	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Construction Site Surveyor/Techn	38.50	38.50	0.00	0.00%	0	0.00	-	0.00	-
Diver	101.00	101.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	384.00	384.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	2,444.50	2,444.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Laborer	1,807.00	1,707.00	100.00	5.53%	3	8.00	8.00%	100.00	100.00%
Surveyor	129.00	129.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	804.80	804.80	0.00	0.00%	0	0.00	-	0.00	-
Technical Engineer	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Truck Driver Heavy Construction	0.00	0.00	0.00	-	0	0.00	-	0.00	-
<b>Total</b>	<b>5,902.30</b>	<b>5,802.30</b>	<b>100.00</b>	<b>1.69%</b>	<b>3</b>	<b>8.00</b>	<b>8.00%</b>	<b>100.00</b>	<b>100.00%</b>

#### 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

## C01026C17 – Georgetown Wet Weather Treatment Station - Demolition, Remediation, and Site Preparation

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Georgetown Wet Weather Treatment Station - Demolition, Remediation, and Site Preparation  
 Contract Number: C01026C17  
 Prime Contractor: TITAN EARTHWORK, LLC  
 Contract Award Amount: \$2,783,230  
 Execution Date: March 16, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 19.09%  
**Construction Completed:** 97.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 19.09%

demolition of two former restaurants, a gas station, commercial and warehouse building.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	935.50	869.00	66.50	7.11%	2	0.00	0.00%	0.00	0.00%
Equipment Operator	352.00	352.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	168.00	168.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	6.00	0.00	6.00	100.00%	2	3.00	50.00%	0.00	0.00%
Laborer	1,826.00	1,074.50	751.50	41.16%	5	0.00	0.00%	586.00	77.98%
Operator	147.00	147.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	785.50	785.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	93.00	93.00	0.00	0.00%	0	0.00	-	0.00	-
Wire Electrician	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>4,316.00</b>	<b>3,492.00</b>	<b>824.00</b>	<b>19.09%</b>	<b>9</b>	<b>3.00</b>	<b>0.36%</b>	<b>586.00</b>	<b>71.12%</b>

#### 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

## C01027C16 – CHRL SW Stormwater and CSW Ponds and LFG Pipeline

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: CHRL SW Stormwater and CSW Ponds and LFG Pipeline  
 Contract Number: C01027C16  
 Prime Contractor: Goodfellow Bros., Inc.  
 Contract Award Amount: \$11,679,839  
 Execution Date: June 10, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 1.17%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 15.57%

Southwest Stormwater and Contaminated Storm Water (CSW) Ponds includes approximately 650,000 cubic yards of excavation, 220,000 cubic yards of embankment, 10,000 lineal feet of 6 to 48 inch diameter pipe, 3,900 square yards of hot mix asphalt, and 9.5 acres of geomembrane liner. The Land Fill Gas (LFG) Pipeline includes approximately 10,300 feet of 30 inch High Density Polyethylene Pipe, blower station improvements, valves, and control system 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	%
Constr Equip Operator	24.00	0.00	24.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	745.00	745.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	273.00	273.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	146.25	146.25	0.00	0.00%	0	0.00	-	0.00	-
Laborer	298.00	298.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	568.50	568.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,054.75</b>	<b>2,030.75</b>	<b>24.00</b>	<b>1.17%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01028C16 – Transit Roof Repairs, Building Envelope & Waterproofing 2016-2017

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Transit Roof Repairs, Building Envelope & Waterproofing 2016-2017  
 Contract Number: C01028C16  
 Prime Contractor: V & R Sheet Metal, LLC  
 Contract Award Amount: \$1,000,000  
 Execution Date: June 16, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 10.78%  
**Construction Completed:** 93.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 26.96%

coating, caulking, cleaning, flashing, 3-coursing,  
 seam and tear repair, window replacement, HVAC upgrades and skylight replacement on single  
 ply, hot mopped, cold applied, modified bitumen, metal or coated roofs as well as concrete  
 walls, floors, and metal fascia

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Painter	235.00	235.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	410.00	340.50	69.50	16.95%	5	51.50	74.10%	61.50	88.49%
<b>Total</b>	<b>645.00</b>	<b>575.50</b>	<b>69.50</b>	<b>10.78%</b>	<b>5</b>	<b>51.50</b>	<b>74.10%</b>	<b>61.50</b>	<b>88.49%</b>

#### 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

## C01032C16 - Countyline Levee Setback

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Countyline Levee Setback  
 Contract Number: C01032C16  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$8,468,357  
 Execution Date: May 18, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 12.00%  
**Apprenticeship Rate: 2017** 23.92%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 18.38%

The project consists of the installation of temporary sediment and erosion control measures, tree removal, clearing, timber pile installation, the construction of a setback levee and engineered logjams (ELJs), removal of an existing levee, site grading, and site preparation for revegetation (by others).

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	2,632.00	0.00	2,632.00	100.00%	6	86.00	3.27%	28.50	1.08%
Equipment Operator	6,330.50	6,330.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	787.10	787.10	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	1,683.00	0.00	1,683.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	3,853.00	3,208.50	644.50	16.73%	3	609.50	94.57%	35.00	5.43%
Operator	598.00	598.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	1,120.50	1,120.50	0.00	0.00%	0	0.00	-	0.00	-
Piledriver	129.00	0.00	129.00	100.00%	1	0.00	0.00%	0.00	0.00%
Surveyor	53.50	53.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	5,027.70	5,027.70	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,377.40	1,377.40	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	1,774.25	1,774.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	1,287.70	0.00	1,287.70	100.00%	2	0.00	0.00%	1,287.70	100.00%
<b>Total</b>	<b>26,653.65</b>	<b>20,277.45</b>	<b>6,376.20</b>	<b>23.92%</b>	<b>13</b>	<b>695.50</b>	<b>10.91%</b>	<b>1,351.20</b>	<b>21.19%</b>

#### 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



## C01035C16 – Frye Warehouse and Old Operations Building Demolition

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Frye Warehouse and Old Operations Building Demolition  
 Contract Number: C01035C16  
 Prime Contractor: Colvos Construction, LLC  
 Contract Award Amount: \$1,605,000  
 Execution Date: July 24, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 12.88%  
**Construction Completed:** 79.00%  
 \*\*\*Cumulative Apprenticeship Rate: 12.63%

The Project is contracting the demolition of two buildings, the Frye Warehouse and Old Operations Building.

### 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	88.00	88.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	110.00	0.00	110.00	100.00%	2	6.00	5.45%	104.00	94.55%
Equipment Operator	106.50	106.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	170.30	170.30	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Equipment Mechanic	42.50	42.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	533.50	399.50	134.00	25.12%	2	0.00	0.00%	0.00	0.00%
Machine Tool Maintenance Mechanic	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	260.50	260.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	65.50	65.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	492.00	492.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,894.80</b>	<b>1,650.80</b>	<b>244.00</b>	<b>12.88%</b>	<b>4</b>	<b>6.00</b>	<b>2.46%</b>	<b>104.00</b>	<b>42.62%</b>

#### 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

## C01036C16 - Hybrid Battery Lift Project

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Hybrid Battery Lift Project  
 Contract Number: C01036C16  
 Prime Contractor: Prospect Construction Inc  
 Contract Award Amount: \$807,881  
 Execution Date: February 17, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 8.00%  
**Apprenticeship Rate: 2017** 8.47%  
**Construction Completed:** 40.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 14.04%

The Project is contracting the purchase and installation of Jib Cranes (4-total) at Ryerson Base, Central Base, North Base, and East Base Metro Transit locations.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	621.00	611.00	10.00	1.61%	1	0.00	0.00%	0.00	0.00%
Electrician	205.00	205.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	109.50	22.50	87.00	79.45%	2	0.00	0.00%	47.00	54.02%
Operator	84.00	84.00	0.00	0.00%	0	0.00	-	0.00	-
Piledriver	42.50	42.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	55.00	55.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,145.00</b>	<b>1,048.00</b>	<b>97.00</b>	<b>8.47%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.00</b>	<b>48.45%</b>

#### 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

## C01043C16 - Black River Pump Station Sediment Removal

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Black River Pump Station Sediment Removal  
 Contract Number: C01043C16  
 Prime Contractor: Road Construction Northwest, Inc.  
 Contract Award Amount: \$1,687,596  
 Execution Date: June 14, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 10.98%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 16.23%

dredging, dewatering and removal of approximately 3,000 CY of fine sediment that has accumulated within the pump station's forebay since the pump station was built in the early 1970s.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Flagger	160.00	160.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	277.00	229.00	48.00	17.33%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>437.00</b>	<b>389.00</b>	<b>48.00</b>	<b>10.98%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01058C16 - Elliott West Equip Relocate

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Elliott West Equip Relocate  
 Contract Number: C01058C16  
 Prime Contractor: Award Construction Inc  
 Contract Award Amount: \$759,000  
 Execution Date: October 10, 2016  
 Type of Construction: Construction

Apprenticeship Requirement: 15.00%  
 Apprenticeship Rate: 2017 16.88%  
 Construction Completed: 99.00%  
 \*\*\*Cumulative Apprenticeship Rate: 16.83%

Move Elliott West CSO treatment facility's final effluent and pre-dechlorination process monitoring and regulatory compliance sampling from a room that stores sodium bisulfite to a separate room at the Denny Regulator Station that will be constructed under this 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	%
Administrative Assistant	1.00	1.00	0.00	0.00%	0	0.00	-	0.00	-
Brick Layer	17.00	0.00	17.00	100.00%	1	0.00	0.00%	17.00	100.00%
Bricklayer	25.00	25.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	303.00	303.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	33.50	33.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	845.00	845.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	42.80	42.80	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	172.00	0.00	172.00	100.00%	1	0.00	0.00%	0.00	0.00%
Iron Worker	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,138.50	846.50	292.00	25.65%	2	0.00	0.00%	0.00	0.00%
Lathing Acoustical Drywall System	43.00	0.00	43.00	100.00%	3	0.00	0.00%	43.00	100.00%
Millwright	28.50	28.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	3.50	3.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	118.00	118.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	6.00	0.00	6.00	100.00%	1	6.00	100.00%	6.00	100.00%
Pipe fitter	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	162.00	162.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	39.50	39.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	66.50	66.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,139.30</b>	<b>2,609.30</b>	<b>530.00</b>	<b>16.88%</b>	<b>8</b>	<b>6.00</b>	<b>1.13%</b>	<b>66.00</b>	<b>12.45%</b>

#### 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

## C01059C16 – Clough Creek Sediment Facility

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Clough Creek Sediment Facility  
 Contract Number: C01059C16  
 Prime Contractor: IO Environmental & Infrastructure Inc.  
 Contract Award Amount: \$720,575  
 Execution Date: August 2, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 2.57%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 13.96%

removing an existing  
 residential building and associated appurtenances, excavation, grading, construction of a  
 reinforced concrete weir, reinforced concrete pond inlet apron, gravity block wall, rock wall,  
 interlocking block mat, cement concrete culvert installation, surfacing, paving with HMA, erosion  
 control features

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	18.50	0.00	18.50	100.00%	2	0.00	0.00%	0.00	0.00%
Equipment Operator	631.00	631.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	34.00	34.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	36.00	36.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>719.50</b>	<b>701.00</b>	<b>18.50</b>	<b>2.57%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01061C16 – 2016 Countywide Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2016 Countywide Pavement Preservation  
 Contract Number: C01061C16  
 Prime Contractor: ICON Materials  
 Contract Award Amount: \$6,933,884  
 Execution Date: July 29, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 8.73%  
**Construction Completed:** 98.00%  
 \*\*\*Cumulative Apprenticeship Rate: 8.27%

This project provides for the improvement of 31.89 miles of roadway in 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	%
Cement Mason	218.50	218.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,039.75	154.50	885.25	85.14%	4	341.00	38.52%	0.00	0.00%
Electrician	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,563.25	4,563.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	23.50	0.00	23.50	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	151.00	151.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	10,289.25	9,543.25	746.00	7.25%	2	0.00	0.00%	481.00	64.48%
Operator	1,158.50	1,158.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	42.80	42.80	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	6,875.46	6,875.46	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	521.46	0.00	521.46	100.00%	1	521.46	100.00%	521.46	100.00%
<b>Total</b>	<b>24,928.47</b>	<b>22,752.26</b>	<b>2,176.21</b>	<b>8.73%</b>	<b>8</b>	<b>862.46</b>	<b>39.63%</b>	<b>1,002.46</b>	<b>46.06%</b>

#### 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

## C01062C16 – RapidRide A and C Line Bus Stop Improvements

Department Name: Transportation  
 Division: Transit Division  
 Project Name: RapidRide A and C Line Bus Stop Improvements  
 Contract Number: C01062C16  
 Prime Contractor: Gary Merlino Construction Co Inc  
 Contract Award Amount: \$642,580  
 Execution Date: April 20, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 18.57%  
**Construction Completed:** 98.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 18.58%

Supplying labor, materials, equipment and necessary for the site preparation and the construction of new, or the improvement of existing RapidRide bus zones.

### 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	386.00	378.00	8.00	2.07%	1	0.00	0.00%	0.00	0.00%
Electrician	220.50	220.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	181.50	181.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	82.50	0.00	82.50	100.00%	3	0.00	0.00%	12.00	14.55%
Laborer	600.10	387.60	212.50	35.41%	1	0.00	0.00%	212.50	100.00%
Operator	147.30	147.30	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	5.00	0.00	5.00	100.00%	1	0.00	0.00%	0.00	0.00%
Traffic control stripier	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,658.40</b>	<b>1,350.40</b>	<b>308.00</b>	<b>18.57%</b>	<b>6</b>	<b>0.00</b>	<b>0.00%</b>	<b>224.50</b>	<b>72.89%</b>

#### 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

## C01074C16 - Puget Sound Emergency Radio Network (PSERN) Site Development #2

Department Name: King County Information Technology  
 Division: Information Technology  
 Project Name: Puget Sound Emergency Radio Network (PSERN) Site Development #2  
 Contract Number: C01074C16  
 Prime Contractor: Mastec Network Solutions, Inc  
 Contract Award Amount: \$2,500,000  
 Execution Date: November 7, 2016  
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%  
 Apprenticeship Rate: 2017 2.19%  
 Construction Completed: 22.00%  
 \*\*\*Cumulative Apprenticeship Rate: 2.17%

This solicitation is for construction at 10 radio sites as part of King County's new land mobile radio system for the Puget Sound Emergency Radio Network (PSERN).

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	106.75	106.75	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	511.00	511.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	178.50	178.50	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	58.50	0.00	58.50	100.00%	3	0.00	0.00%	0.00	0.00%
HVAC (Sheet Metal) Worker	15.50	15.50	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	12.25	12.25	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	926.25	926.25	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,337.75	1,337.75	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	12.50	12.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,174.00</b>	<b>3,104.50</b>	<b>69.50</b>	<b>2.19%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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



## C01075C16 – Bellevue Base Roof Replacement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Bellevue Base Roof Replacement  
 Contract Number: C01075C16  
 Prime Contractor: V & R Sheet Metal, LLC  
 Contract Award Amount: \$812,817  
 Execution Date: November 1, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 15.81%  
**Construction Completed:** 98.00%  
 \*\*\*Cumulative Apprenticeship Rate: 20.29%

Removal and replacement of approximately 17,450 square feet of existing built-up roofing systems with a new system providing R-38 insulation, 4 plies modified membrane and white reflective gravel.

### 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	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	18.00	18.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	1,754.00	1,491.00	263.00	14.99%	5	0.00	0.00%	263.00	100.00%
Scaffold Erector	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	64.00	32.00	32.00	50.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>1,866.00</b>	<b>1,571.00</b>	<b>295.00</b>	<b>15.81%</b>	<b>6</b>	<b>0.00</b>	<b>0.00%</b>	<b>263.00</b>	<b>89.15%</b>

#### 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

## C01103C16 – PSERN Bid Package #3

Department Name: King County Information Technology  
 Division: Information Technology  
 Project Name: PSERN Bid Package #3  
 Contract Number: C01103C16  
 Prime Contractor: Mastec Network Solutions, Inc.  
 Contract Award Amount: \$1,750,000  
 Execution Date: March 23, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 1.56%  
**Construction Completed:** 4.00%  
 \*\*\*Cumulative Apprenticeship Rate: 1.56%

This solicitation is for construction at six (6) radio sites as part of King County's new land mobile radio system for the Puget Sound Emergency Radio Network (PSERN).

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	82.50	82.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	112.25	112.25	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	67.00	67.00	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	4.00	0.00	4.00	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	16.50	16.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	664.25	664.25	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	4.50	4.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>962.00</b>	<b>947.00</b>	<b>15.00</b>	<b>1.56%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01106C17 – South Plant Localized Hypo Caustic Chemical Storage

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: South Plant Localized Hypo Caustic Chemical Storage  
 Contract Number: C01106C17  
 Prime Contractor: General Mechanical, Inc.  
 Contract Award Amount: \$1,325,814  
 Execution Date: July 13, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 24.45%  
**Construction Completed:** 2.00%  
 \*\*\*Cumulative Apprenticeship Rate: 24.45%

Demolish, relocate, and provide new localized storage tanks as well as associated pumps, instrumentation, and controls for hypo and caustic odor control chemicals at the DAFT and Dewatering process 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	29.00	29.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	82.00	82.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	92.00	92.00	0.00	0.00%	0	0.00	-	0.00	-
Steamfitter	56.00	0.00	56.00	100.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>274.00</b>	<b>207.00</b>	<b>67.00</b>	<b>24.45%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01111C16 - Fairwood West HOA Pipe Replacement

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Fairwood West HOA Pipe Replacement  
 Contract Number: C01111C16  
 Prime Contractor: Active Construction, Inc  
 Contract Award Amount: \$785,785  
 Execution Date: February 14, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 13.58%  
**Construction Completed:** 99.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 13.58%

This project is for the improvement of a conveyance system by replacing a 100-foot section of 48-inch diameter corrugated metal pipe culvert with an 8-foot-wide reinforced concrete box culvert and placing natural streamed features within the box culvert.

### 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	35.00	35.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	4.30	4.30	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,070.30	1,070.30	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	110.50	110.50	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	2.00	0.00	2.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	958.50	436.50	522.00	54.46%	3	0.00	0.00%	514.00	98.47%
Operator	1,300.50	1,300.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	348.30	348.30	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,859.40</b>	<b>3,335.40</b>	<b>524.00</b>	<b>13.58%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>514.00</b>	<b>98.09%</b>

#### 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

## C01113C16 - Vashon Bunker Trail Pump Station Rehabilitation Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Vashon Bunker Trail Pump Station Rehabilitation Project  
 Contract Number: C01113C16  
 Prime Contractor: Award Construction Inc  
 Contract Award Amount: \$1,780,000  
 Execution Date: April 27, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 5.87%  
**Construction Completed:** 45.00%  
 \*\*\*Cumulative Apprenticeship Rate: 6.04%

The Bunder Trail pumping system consists of 4 small lift stations located

### 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	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	226.00	226.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	330.50	330.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	1,448.50	1,448.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	82.00	0.00	82.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	2,195.75	1,993.75	202.00	9.20%	2	0.00	0.00%	161.00	79.70%
Millwright	70.00	70.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	54.00	54.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	55.50	55.50	0.00	0.00%	0	0.00	-	0.00	-
Plumber	23.00	23.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	19.50	19.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	266.50	266.50	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	15.50	15.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>4,835.75</b>	<b>4,551.75</b>	<b>284.00</b>	<b>5.87%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>161.00</b>	<b>56.69%</b>

#### 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

## C01125C16 - Physical Security Improvements - Fence and Gate System Replacement

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: Physical Security Improvements - Fence and Gate System Replacement  
 Contract Number: C01125C16  
 Prime Contractor: Massana Construction, Inc.  
 Contract Award Amount: \$1,104,500  
 Execution Date: May 19, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 3.00%  
**Apprenticeship Rate: 2017** 1.64%  
**Construction Completed:** 78.00%  
 \*\*\*Cumulative Apprenticeship Rate: 1.64%

Installation of new anti-ram gates, new vehicle and pedestrian gates, and Ecology Blocks and Cable Barrier system to provide perimeter hardening.

### 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	112.00	112.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	67.00	67.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	486.50	486.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	1,483.25	1,483.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	40.00	0.00	40.00	100.00%	1	40.00	100.00%	0.00	0.00%
Laborer	239.00	239.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,443.25</b>	<b>2,403.25</b>	<b>40.00</b>	<b>1.64%</b>	<b>1</b>	<b>40.00</b>	<b>100.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01126C17 - EASTSIDE RAIL CORRIDOR – Rail Removal and Interim Trail Phase 1

Department Name: Natural Resources & Parks  
 Division: Parks & Recreation  
 Project Name: EASTSIDE RAIL CORRIDOR – Rail Removal and Interim Trail Phase 1  
 Contract Number: C01126C17  
 Prime Contractor: Interwest Construction, Inc.  
 Contract Award Amount: \$1,584,461  
 Execution Date: October 2, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 7.17%  
**Construction Completed:** 0.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 6.81%

This project provides for the improvement of a section of the Eastside Rail Corridor (ERC)

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	80.00	0.00	80.00	100.00%	1	0.00	0.00%	0.00	0.00%
Fence Erector	275.50	275.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	94.00	94.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,080.50	970.50	110.00	10.18%	1	0.00	0.00%	0.00	0.00%
Operator	967.50	967.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	152.50	152.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,650.00</b>	<b>2,460.00</b>	<b>190.00</b>	<b>7.17%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01129C17 - Construction of Cedar Hills Regional Landfill (CHRLF) Area 8 Refuse Facility and Area 7 Stage 3 & 4 Closure Project

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Construction of Cedar Hills Regional Landfill (CHRLF) Area 8 Refuse Facility and Area 7 Stage 3 & 4 Closure Project  
 Contract Number: C01129C17  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$32,619,010  
 Execution Date: June 2, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%

**Apprenticeship Rate: 2017**

**Construction Completed:** 49.00%

\*\*\*Cumulative Apprenticeship Rate: 12.63%

The construction project consists of two integrated sites adjacent to one another at the Cedar Hills Regional Landfill.

### 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	97.00	61.50	35.50	36.60%	1	0.00	0.00%	0.00	0.00%
Constr Equip Operator	4,108.00	0.00	4,108.00	100.00%	9	839.50	20.44%	1,544.50	37.60%
Construction Electrician	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Equipment Operator	25,124.25	25,124.25	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Laborer	8,041.50	7,198.00	843.50	10.49%	6	111.00	13.16%	648.00	76.82%
Operator	21.50	21.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Surveyor	140.50	140.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Teamster/Truck driver	197.25	197.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	2,365.75	2,365.75	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	30.55	17.80	12.75	41.73%	1	0.00	0.00%	12.75	100.00%
Wiremen	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>40,131.30</b>	<b>35,131.55</b>	<b>4,999.75</b>	<b>12.46%</b>	<b>17</b>	<b>950.50</b>	<b>19.01%</b>	<b>2,205.25</b>	<b>44.11%</b>

#### 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



## C01131C17 - King County Metro Transit North Base Roof System Replacement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: King County Metro Transit North Base Roof System Replacement  
 Contract Number: C01131C17  
 Prime Contractor: V & R Sheet Metal, LLC  
 Contract Award Amount: \$1,999,823  
 Execution Date: July 28, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 20.00%  
**Apprenticeship Rate: 2017** 24.12%  
**Construction Completed:** 79.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 22.39%

The project includes 1) the replacement at the Vehicle Maintenance & Skybridge Portions of the building; 2) replace the existing roofing membrane system at the Operations Building

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	19.75	19.75	0.00	0.00%	0	0.00	-	0.00	-
Roofer	2,802.25	2,120.50	681.75	24.33%	12	31.00	4.55%	648.50	95.12%
<b>Total</b>	<b>2,826.00</b>	<b>2,144.25</b>	<b>681.75</b>	<b>24.12%</b>	<b>12</b>	<b>31.00</b>	<b>4.55%</b>	<b>648.50</b>	<b>95.12%</b>

#### 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

## C01136C17 - North Creek Interceptor Completion WorkOrder Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: North Creek Interceptor Completion WorkOrder Project  
 Contract Number: C01136C17  
 Prime Contractor: James W Fowler Company  
 Contract Award Amount: \$20,994,500  
 Execution Date: March 10, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 8.00%  
**Apprenticeship Rate: 2017** 16.70%  
**Construction Completed:** 85.00%  
 \*\*\*Cumulative Apprenticeship Rate: 16.72%

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

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Boilermaker	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	1,318.25	1,318.25	0.00	0.00%	0	0.00	-	0.00	-
Cement Finishers	32.50	32.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	1,234.10	1,048.50	185.60	15.04%	8	0.00	0.00%	164.10	88.42%
Concrete Boom Pumper	2.50	2.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	7,039.01	2.75	7,036.26	99.96%	7	0.00	0.00%	0.00	0.00%
Electrician	6,753.50	6,753.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	30,278.15	30,278.15	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	255.50	255.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	3,432.30	3,432.30	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	819.00	0.00	819.00	100.00%	1	0.00	0.00%	0.00	0.00%
Hoisting Engineers	1,299.00	0.00	1,299.00	100.00%	2	0.00	0.00%	5.50	0.42%
Laborer	30,342.89	25,182.40	5,160.49	17.01%	12	347.50	6.73%	411.50	7.97%
Surveyor	2,459.90	2,459.90	0.00	0.00%	0	0.00	-	0.00	-
Teamster	260.00	260.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,280.00	1,280.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	5.50	0.00	5.50	100.00%	1	0.00	0.00%	0.00	0.00%
Traffic control striper	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>86,861.60</b>	<b>72,355.75</b>	<b>14,505.85</b>	<b>16.70%</b>	<b>31</b>	<b>347.50</b>	<b>2.40%</b>	<b>581.10</b>	<b>4.01%</b>

#### 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

## C01143C17 - Asphalt Services Work Order Contract

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Asphalt Services Work Order Contract  
 Contract Number: C01143C17  
 Prime Contractor: NORTHWEST ASPHALT INC  
 Contract Award Amount: \$1,000,000  
 Execution Date: July 24, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 3.90%  
**Construction Completed:** 19.00%  
 \*\*\*Cumulative Apprenticeship Rate: 3.90%

Furnish all labor, materials, and equipment necessary to perform Hot Mix Asphalt (HMA) with Recycled Asphalt Shingles (RAS) paving, and roadway surfacing, resurfacing, square-patching and overlay projects

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	22.00	22.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	14.00	0.00	14.00	100.00%	2	10.50	75.00%	0.00	0.00%
Equipment Operator	150.75	150.75	0.00	0.00%	0	0.00	-	0.00	-
Laborer	78.25	78.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	94.00	94.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>359.00</b>	<b>345.00</b>	<b>14.00</b>	<b>3.90%</b>	<b>2</b>	<b>10.50</b>	<b>75.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01158C17 - 2017 Countywide Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2017 Countywide Pavement Preservation  
 Contract Number: C01158C17  
 Prime Contractor: Miles Resources, LLC  
 Contract Award Amount: \$16,379,926  
 Execution Date: June 6, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 6.15%  
**Construction Completed:** 55.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 6.15%

This project provides for the improvement of 33.67 miles of roadway in 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	%
Cement Mason	394.00	363.00	31.00	7.87%	1	0.00	0.00%	31.00	100.00%
Constr Equip Operator	165.00	0.00	165.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	38.00	38.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	8,156.70	8,156.70	0.00	0.00%	0	0.00	-	0.00	-
Inside Electrician	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	13,368.00	12,077.00	1,291.00	9.66%	8	411.50	31.87%	550.50	42.64%
Other Trade	3.50	3.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	10,333.86	10,333.86	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	542.00	0.00	542.00	100.00%	2	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>33,017.06</b>	<b>30,988.06</b>	<b>2,029.00</b>	<b>6.15%</b>	<b>12</b>	<b>411.50</b>	<b>20.28%</b>	<b>581.50</b>	<b>28.66%</b>

#### 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

## C01160C17 - Brightwater IPS Effluent Water Reuse

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater IPS Effluent Water Reuse  
 Contract Number: C01160C17  
 Prime Contractor: General Mechanical, Inc.  
 Contract Award Amount: \$387,558  
 Execution Date: June 29, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 37.89%  
**Construction Completed:** 72.00%  
 \*\*\*Cumulative Apprenticeship Rate: 37.88%

The project is to modify the existing Brightwater (BW) Treatment Plant effluent water (EFF) at the Influent Pump Station (IPS) to reuse for Raw Sewage Pumps motors VFD units cooling system heat exchanger and to fill the air gap tank of the utility water supply system in the BW-IPS, in-lieu of existing Reclaimed Water (RW).

### 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	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	33.50	33.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	28.50	0.00	28.50	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	52.00	52.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	420.00	420.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	107.00	107.00	0.00	0.00%	0	0.00	-	0.00	-
Steamfitter	350.00	0.00	350.00	100.00%	2	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>999.00</b>	<b>620.50</b>	<b>378.50</b>	<b>37.89%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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

## C01163C17 - Porter Reach Restoration Project - 2017

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Porter Reach Restoration Project - 2017  
 Contract Number: C01163C17  
 Prime Contractor: RODARTE CONSTRUCTION INC  
 Contract Award Amount: \$2,752,673  
 Execution Date: June 19, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2017** 9.65%  
**Construction Completed:** 99.00%  
 \*\*\*Cumulative Apprenticeship Rate: 9.65%

The Porter Reach Restoration Project (Porter) is a flood and fish habitat restoration project that consists of removing a section of the Porter Levee, setting it back along SE Green Valley Road (GVT), and raising a section of GVR adjacent to the setback levee.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	941.00	454.00	487.00	51.75%	2	12.50	2.57%	474.50	97.43%
Equipment Operator	881.25	881.25	0.00	0.00%	0	0.00	-	0.00	-
Flagger	899.00	899.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	925.50	925.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	412.00	412.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	16.00	0.00	16.00	100.00%	2	0.00	0.00%	0.00	0.00%
Traffic control striping	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	1,105.25	1,105.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	14.75	14.75	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>5,210.75</b>	<b>4,707.75</b>	<b>503.00</b>	<b>9.65%</b>	<b>4</b>	<b>12.50</b>	<b>2.49%</b>	<b>474.50</b>	<b>94.33%</b>

#### 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

## C01174C17 - Riverbend Mobile Home Park Demolition

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Riverbend Mobile Home Park Demolition  
 Contract Number: C01174C17  
 Prime Contractor: Dickson Company  
 Contract Award Amount: \$558,234  
 Execution Date: August 11, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2017** 17.13%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.13%

The project consists of selective demolition of structures and appurtenances on one 19-acre parcel. Buildings on the property include 60 individual mobile home units, a playground structure, a mailbox structure, a laundry facility, a shower facility, and accessory structures and enclosures.

### 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	1,093.00	1,093.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	88.00	0.00	88.00	100.00%	2	0.00	0.00%	8.00	9.09%
Equipment Operator	255.50	255.50	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Equipment Tech	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,201.00	751.00	450.00	37.47%	5	0.00	0.00%	0.00	0.00%
Landscaper	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	119.00	119.00	0.00	0.00%	0	0.00	-	0.00	-
Refrigeration Mechanic	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	119.50	119.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	242.50	242.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,141.00</b>	<b>2,603.00</b>	<b>538.00</b>	<b>17.13%</b>	<b>7</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.00</b>	<b>1.49%</b>

#### 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

## C01175C17 - Airfield Safety (Signage Replacement and MagVar Update)

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: Airfield Safety (Signage Replacement and MagVar Update)  
 Contract Number: C01175C17  
 Prime Contractor: Colvico, Inc.  
 Contract Award Amount: \$1,367,676  
 Execution Date: August 15, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 8.39%  
**Construction Completed:** 45.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 12.35%

The work covered under this solicitation is Airfield Signage and Marking 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	%
Carpenter	94.00	94.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	133.00	133.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Electrician	100.00	100.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	114.00	0.00	114.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	276.00	276.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	333.50	333.50	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	48.00	0.00	48.00	100.00%	1	0.00	0.00%	0.00	0.00%
Traffic control striping	778.75	778.75	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	29.00	29.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,930.25</b>	<b>1,768.25</b>	<b>162.00</b>	<b>8.39%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### 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