

MOTION NO. M2016-55
Contract for Design and Construction Services for Puyallup Station, Sumner Station and Kent Station Platform Lighting Upgrade Projects

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee	07/07/2016	Cancelled	Bonnie Todd, Executive Director of Operations
Board	07/28/2016	Final Action	David Huffaker, Deputy Executive Director, Operations and Support Services

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Ameresco Quantum, LLC to provide design and construction services for the Puyallup Station, Sumner Station, and Kent Station Platform Lighting Upgrade projects for a total authorized contract amount not to exceed \$548,000.

KEY FEATURES SUMMARY

- The Puyallup Station, Sumner Station, and Kent Station Platform Lighting Upgrade projects were created in the 2016 budget for the installation of energy efficient lighting.
- Upon completion of the three projects, the agency will be eligible for a combined utility incentive of \$67,148 and realize additional savings in reduced utility consumption, lower maintenance costs and a longer life for fixtures.
- The scope of work includes design, construction, installation and verification of energy reduction measures for the lighting systems at Puyallup Station, Sumner Station, and Kent Station Platform. Installation features include LED (light emitting diode) fixtures, photo cell controls and occupancy sensors.
- The Sound Transit contract would “piggyback” on the State of Washington, Department of Enterprise Services Master Contract with Ameresco Quantum, LLC within their Energy Savings Performance Contracting program.

BACKGROUND

In 2013, Sound Transit initiated LED retrofits at several locations. These projects demonstrated utility and maintenance savings of approximately 25-35% per year compared to the old fixtures.

During 2014 the Facilities Division had energy performance audits performed at four additional sites as part of Sound Transit’s Sustainability Plan to reduce energy consumption. The three sites in this request were identified as having adequate energy savings to justify the upgrade, along with the additional benefit of replacing aging, high maintenance lighting systems.

Based on the agency’s experience at sites that were previously retrofit, the extended life of the LED lighting components will reduce maintenance costs by approximately \$15,000 per year. The energy-cost savings for all three sites is estimated to be \$31,082 per year and will be monitored by Ameresco Quantum, LLC after the first year to verify actual savings.

In addition to energy-cost savings, the upgrades allow the agency to leverage an additional \$67,148 from a one-time utility incentive.

These three Lighting Upgrade Projects adopted in 2016 were coupled with anticipated 2017 energy projects at the Link Operations Maintenance Facility (OMF). The combined set of projects allowed Sound Transit to apply for and receive a State of Washington Department of Commerce Energy Grant in the amount of \$350,000 to defray the cost of these energy efficient improvements. The Agency would be eligible to submit for the grant funds when all current and proposed 2017 energy improvement projects are complete.

The Ameresco Quantum, LLC contract is project specific and will expire upon Sound Transit's final acceptance.

FISCAL INFORMATION

This action is within the adopted project budget(s) as contained in the current cost estimates.

LED lighting retrofit actions have proven to be cost efficient projects resulting in savings or reduced cost increases to Sound Transit.

The project budgets in the 2016 Transportation Improvement Plan (TIP) for the three projects affected by this action are as follows:

- a) Puyallup Station LED lighting is \$178,050.
- b) Sumner Station LED Lighting is \$134,140.
- c) Kent Station Platform Lighting is \$236,173.

The total cost of the contract is split into each project at 32.5%, 24.5% and 43% respectively and includes both design work budgeted under the preliminary engineering phase and construction/installation of the lighting systems.

The projected net cost to the Agency for the installed lighting system(s) less incentives and grant is \$360,852

Estimated Annual Utility Cost & Maintenance Savings - \$46,082

Simple break-even payback – 7.8 years

There is no contract contingency as previous experience with the contractor requires none.

LED & Platform Lighting

Contract Detail	Board Approvals to Date	Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Ameresco Quantum				
Contract Amount			548	548
Contingency Amount				
Total Contract			548	548
Percent Contingency	0%	0%	0%	0%

Projects	2016 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Puyallup Station					
Preliminary Engineering	19		19	19	
Construction	159		159	159	
Total Project	178		178	178	
Sumner Station					
Preliminary Engineering	15		15	15	
Construction	120		120	120	
Total Project	134		134	134	
Kent Station					
Preliminary Engineering	26		26	26	
Construction	210		210	210	
Total Project	236		236	236	

Notes:

Amounts are expressed in Year of Expenditure \$000s.

Board Approvals = Committed To-Date + Contingency, and includes pending Board actions.

Project budget page is located on page 88,89 and 90 of 140 of the Adopted 2016 Transit Improvement Plan (TIP).

SMALL BUSINESS/DBE PARTICIPATION

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). Small Business and DBE goals are based upon an examination of subcontracting opportunities contained in the work of this contract and the number of Small Businesses/DBEs available to perform such subcontracting work.

Sound Transit determined that there were few Small Business and DBE subcontracting opportunities based upon the work described in this contract, so Small Business/DBE goals were not established.

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one month delay would not create a significant impact to the project schedule.

ENVIRONMENTAL REVIEW

Jl 5/13/2016

LEGAL REVIEW

JW 05/26/2016

Motion No. M2016-55
Staff Report

MOTION NO. M2016-55

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Ameresco Quantum, LLC to provide design and construction services for the Puyallup Station, Sumner Station, and Kent Station Platform Lighting Upgrade projects for a total authorized contract amount not to exceed \$548,000.

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MOTION:


It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract with Ameresco Quantum, LLC to provide design and construction services for the Puyallup Station, Sumner Station, and Kent Station Platform Lighting Upgrade projects for a total authorized contract amount not to exceed \$548,000.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 28, 2016.



Pat McCarthy
Board Chair Pro Tem

ATTEST:



Kathryn Flores
Board Administrator