

MOTION NO. M2017-142
Ratification and contract for Tukwila traction power sub-station repairs

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee	12/7/2017	Recommendation to Board	Bonnie Todd, Executive Director of Operations
Board	12/21/2017	Final Action	Paul Denison, Light Rail Operations Director

PROPOSED ACTION

(1) Ratifies the chief executive officer's finding of an emergency at the Tukwila traction power sub-station due to an electrical failure, and (2) ratifies a contract with Siemens Industry, Inc. to provide repair services for the Tukwila traction power substation in the amount of \$300,000, plus applicable taxes.

KEY FEATURES SUMMARY

- A severe electrical malfunction occurred at the Tukwila traction power sub-station (TPSS) in August causing extensive damage to all direct current (DC) control components.
- The event was contained, but the severity of the damage proved well beyond the staffing availability of the current King County Maintenance traction power technicians and Sound Transit Link light rail maintenance staff members.
- In September, the CEO declared the Tukwila TPSS an emergency and authorized the procurement of services for its repair.
- Siemens Industries, Inc., the traction power sub-station manufacturer, was identified as a qualified contractor to make repairs; and, over the course of September and October, review of the damage at the Tukwila TPSS and contract negotiations between Sound Transit and Siemens took place. The original warranty period for the equipment had expired.
- This contract covers Phase One and authorizes Siemens to assess the damage and provide an itemized list of repair procedures and costs.
- Upon acceptance by Sound Transit of the procedures and costs, Phase Two for the repairs and Phase Three for the recommissioning of the site will commence. If any additional compensation to complete Phase Two and/or Three is required, a proposed contract amendment will be brought before the Board for approval.
- Upon completion of the contract services, the contractor will commission the traction power sub-station into operation and provide a 12-month warranty on components, materials, and workmanship.

BACKGROUND

During the morning of August 8, 2017 a severe electrical malfunction occurred at the Tukwila traction power substation causing extensive damage to all of the DC circuit wiring, relays, circuit breakers, wiring connections, the cubical itself and SCADA interface devices throughout the control circuit cubical.

The damage severity proved to be well beyond the staffing availability of the current KCM traction power maintainers and Sound Transit staff.

Given the time sensitive nature and complexity of the repairs and required re-commissioning an emergency was declared by the CEO September 12, 2017 in order to secure a qualified contractor to handle the repairs as soon as possible.

Negotiations with Siemens Industries, Inc. over the months of September and October, including a site visit, resulted in an agreed upon budget and scope of work covering three phases: assessment, repair, and commissioning.

A failure at either of the adjoining substations could potentially mean a complete loss of traction power for Link light rail and the suspension of service indefinitely between Rainier Beach and Angle Lake stations.

PROCUREMENT INFORMATION

Resolution 78-2, Section 7 authorizes the CEO to declare an emergency and enter into contracts. Per these provisions, Sound Transit entered into a contract with Siemens Industry for the assessment, repair and recommissioning of the damaged substation.

FISCAL INFORMATION

The initial estimate of costs to repair the damages to the Tukwila Traction Power Substation (TPSS) has been completed. This action reflects funding to cover any charges anticipated to be accumulated in 2017. The 2018 Proposed Budget includes an additional \$300,000 in the Link Transit Operations budget to fund any repairs that may carry over into 2018 and the cost of any unanticipated repairs that may be discovered during the repair process.

Operations Department (in thousands)

	2017 Annual Operating Budget	Actuals to Date	This Action	Actuals to Date Plus Action	Remaining Annual Operating Budget
Salaries and Benefits	\$16,672	\$11,917	\$	\$11,917	\$4,756
Services	60,432	33,578	300	33,878	26,554
Materials and Supplies	10,832	4,620		4,620	6,212
Utilities	5,276	3,527		3,527	1,749
Insurance		-2		-2	2
Taxes	2,595	1,856		1,856	738
Purchased Transportation Services	163,026	106,368		106,368	56,658
Miscellaneous	389	201		201	188
Leases and Rentals	8,601	6,043		6,043	2,558
Total Annual Operating Budget	\$267,822	\$168,108	\$300	\$168,408	\$99,414

Contract Spending Plan	Prior Year Spending	Forecast 2017 Spending	Future Expenditures	Total
Siemens Industry, Inc		\$300	\$	\$300

Contract Detail	Board Approved Contract Value	Contract Actuals to Date	Proposed Action	Proposed Revised Board Approved Contract Value
Siemens Industry, Inc			\$300	\$300
Contingency			0	0
Contract Amount			300	300
Current Tax Estimate			30	30
Contract Amount - Total			\$330	\$330
Percent Contingency			0%	0%

* Actuals reflect the month of October, 2017.

Additionally, the Risk Management Division is engaged and will monitor the assessment of damages and cost to repair for any items that would qualify for a claim against the Agency's insurance coverages.

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

The possibility of an extended power outage and loss of service between Rainier Station and Angle Lake could occur if repairs are delayed.

ENVIRONMENTAL REVIEW

KH 10/19/17

LEGAL REVIEW

AJP 11/30/17

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A motion of the Board of the Central Puget Sound Regional Transit Authority (1) Ratifying the chief executive officer's finding of an emergency at the Tukwila traction power sub-station due to an electrical failure, and (2) ratifying a contract with Siemens Industry, Inc. to provide repair services for the Tukwila traction power substation in the amount of \$300,000, plus applicable taxes.

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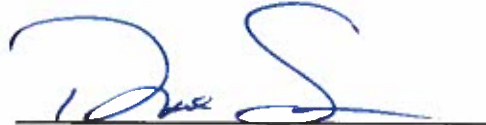
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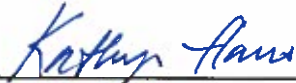
It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority (1) ratifying the chief executive officer's finding of an emergency at the Tukwila traction power sub-station due to an electrical failure, and (2) ratifying a contract with Siemens Industry, Inc. to provide repair services for the Tukwila traction power substation (TPSS) in the amount of \$300,000, plus applicable taxes.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on December 21, 2017.



Dave Somers
Board Chair

ATTEST:



Kathryn Flores
Board Administrator