

Motion No. M2022-21

Funding Agreement with Bonneville Power Administration for the Tacoma Dome Link Extension

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee Board	03/10/2022 03/24/2022	Recommend to Board Final action	Don Billen, PEPD Executive Director Curvie Hawkins, Project Director-TDLE/OMF South Valerie Valero, Senior Civil Engineer – TDLE/OMF South Project

Proposed action

Authorizes the chief executive officer to execute a funding agreement with Bonneville Power Administration to perform work related to relocation and replacement of four transmission structures in support of the Tacoma Dome Link Extension project in the amount of \$385,450 with a ten percent contingency of \$38,545 for a total authorized agreement amount not to exceed \$423,995.

Key features summary

- This 18-month agreement will provide funding for Bonneville Power Administration (BPA) to perform engineering design, environmental work, and real property activities related to relocations and replacement of four transmission structures along the following transmission lines:
 - BPA Tacoma-Raver 500kV/Tacoma-Covington No 2 230 kV double circuit transmission line
 - BPA Tacoma-Covington No 3 230 kV/Tacoma-Covington No 4 230 kV double circuit transmission line
- Under this agreement, BPA will perform engineering and design work to increase the height of each transmission structure by 56' to meet vertical clearance needs for Sound Transit.
- The total authorized amount includes a ten percent contingency that will cover unforeseen design changes that may develop during plan development over the next 18 months.
- The target date for BPA's completion of raising the height of the transmission lines is 2023-2024.

Background

As a part of the Sound Transit 3 plan, the Tacoma Dome Link Extension (TDLE) project will extend light rail from the Federal Way Transit Center to Tacoma Dome Station. For all TDLE alternatives being studied in the EIS, the light rail guideway must pass under the existing Bonneville Power Administration (BPA) lines. This section of guideway would also connect to the Operations and Maintenance Facility South, should the Board select one of the sites in Federal Way currently being evaluated.

The aerial guideway design requires the transmission line to be raised so that they are never closer than 56' to the light rail vehicles and the TDLE Overhead Catenary System (OCS) poles. Sound Transit has entered into two previous agreements with BPA. Sound Transit's target date to complete the Operations and Maintenance Facility South is 2029. The Target and Affordable schedule for the completion of the

light rail extension to the Tacoma Dome Station is 2032; the target date for BPA’s completion of raising the height of the transmission lines is 2023-2024.

The first agreement was requested for BPA to conduct a feasibility study of raising the height of the BPA transmission lines in order to build an elevated light rail track that crosses underneath the BPA transmission lines. This agreement was approved within the CEO’s authority on July 29, 2019, and completed in October 2019.

The second agreement was requested for BPA to conduct a facility study following the feasibility report analysis. BPA completed the feasibility study on October 2, 2019 and published the report on July 1, 2020. BPA revised the facility study on May 17, 2021, to account for the City of Federal Way’s proposed roundabout at 324th Street. The second agreement was also within the CEO’s authority.

This current agreement is the third of five anticipated agreements. It includes engineering design, environmental analysis for compliance with the National Environmental Policy Act (NEPA), and real property work related to an anticipated easement needed to raise the transmission lines. After this agreement, two additional agreements are anticipated to cover the advance procurement of steel and construction which will be completed by BPA.

Project status

Project Identification	Alternatives Identification	Conceptual Engineering/ Draft EIS	Preliminary Engineering/ Final EIS	Final Design	Construction
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Projected completion date for Conceptual Engineering: Q1 2023

Project scope, schedule and budget summary are located on page 110 of the January 2022 Agency Progress Report.

Fiscal information

This action is within authorized project allocation and sufficient monies remain after approval of this action to fund the remaining work in the Third Parties phase.

The authorized project allocation for the Tacoma Dome Link Extension project is \$126,373,000. Within the Third Parties phase, \$1,476,000 has been allocated to Bonneville Power Administration for replacement work. The action would commit an additional \$423,995 to this budget line item and leave a budget balance in the Third Parties phase of \$2,825,333.

The current cost estimate for Tacoma Dome Link Extension is \$3,308 million in 2019\$ and is affordable within the Agency’s Finance Plan. Staff are managing the project toward a 2032 delivery, consistent with both Affordable and Target Schedules. This action is consistent with the schedule and financial plan adopted by the Board in Resolution No. R2021-05 and does not impact the affordability of any other system expansion project.

Tacoma Dome Link Extension

(in thousands)

Project Phase	Proposed Project Allocation to Date	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$27,848	\$15,330		\$15,330	\$12,518
Preliminary Engineering	86,775	59,680		59,680	27,095
Third Party	6,350	3,101	424	3,525	2,825
Right of Way	5,400	1,024		1,024	4,376
Total Current Budget	\$126,373	\$79,134	\$424	\$79,558	\$46,815
Phase Detail - Third Party					
Bonneville Power Administration	\$1,476	\$	\$424	\$424	\$1,052
Other Preliminary Engineering	4,874	3,101		3,101	1,773
Total Phase	\$6,350	\$3,101	\$424	\$3,525	\$2,825

Agreement Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Bonneville Power Administration				
Contract Amount			\$385	\$385
Contingency			39	39
Total Contract Amount	\$	\$	\$424	\$424
Percent Contingency	0%	0%	10%	10%

Notes:

Board Approvals = Committed and PO Contingency Remaining as of 2/25/22

For detailed project information, see page 71 of 185 of the Proposed 2022 Transit Improvement Plan (TIP).

Disadvantaged and small business participation

Not applicable to this action.

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 – KH 3/2/22

Legal review – MT 3/4/22



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A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a funding agreement with Bonneville Power Administration to perform work related to relocation and replacement of four transmission structures in support of the Tacoma Dome Link Extension project in the amount of \$385,450 with a ten percent contingency of \$38,545 for a total authorized agreement amount not to exceed \$423,995.

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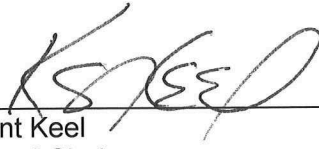
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Motion

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 funding agreement with Bonneville Power Administration to perform work related to relocation and replacement of four transmissions structures in support of the Tacoma Dome Link Extension project in the amount of \$385,450 with a ten percent contingency of \$38,545 for a total authorized agreement amount not to exceed \$423,995.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 24, 2022.



Kent Keel
Board Chair

Attest:



Kathryn Flores
Board Administrator