

GREEN TRANSPORTATION CAPITAL GRANT

2019-2021 Prioritized Project List

Public Transportation Division

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Introduction

The Washington State Department of Transportation (WSDOT) is pleased to present its recommended project list for the Green Transportation Capital Grant Program (program). The purpose of the program is to aid any transit authority in funding cost-effective capital projects to reduce the carbon intensity of the Washington transportation system ([RCW 47.66.120](#)). The Legislature funded the program in [Engrossed Second Substitute House Bill \(E2SHB 2042\)](#), Section 18 (1)(a) during the 2019 session.

Projects awarded grants through the program will help to reduce harmful air pollution from exhaust emissions in Washington, including greenhouse gas emissions. The program helps to speed the transition away from fossil fuels and towards a clean energy economy. The program's support for clean alternative fuel infrastructure can also help to increase adoption of green transportation by citizens across the state.

Selection process

WSDOT utilized the Zero Emissions Advisory Committee to develop the parameters for the program's competitive award process. Additionally, members of this group from the Department of Ecology, Department of Commerce, Utilities and Transportation Commission, and a transit agency scored and ranked grant applications. WSDOT based its recommended awards on the results of this scoring and ranking.

Applications for the available funding totaled nearly \$20 million from transit agencies across the state. Of the 12 proposals received during the competitive application process, WSDOT recommends eight for funding, committing the available \$11.47 million in funds to projects throughout the state. WSDOT looks forward to working with these grantees in order to help the state meet its goal of a clean transportation future.

The tables below include a Prioritized project list (Table 1) and Projects proposed for contingency funding (Table 2).

Program administration

WSDOT submitted the estimated costs for the minimum level of resources required for administration of the program through the fiscal note for E2SHB 2042. These estimates totaled \$276,000 for fiscal year 2020 and \$254,000 for fiscal year 2021 (4.4 percent of the overall budget) for two full-time employees at the Transportation Planning Specialist 4 level and standard staffing costs. This estimate did not include indirect costs, which WSDOT will cover.

Specific staff activities associated with grant and project support include designing, developing, and vetting grant solicitation criteria; administering the solicitation; managing the scoring of applications; refining and finalizing scopes of work; executing contracts; providing engineering support and field inspections of construction projects; providing appropriate oversight, technical support, and fiscal and procurement assistance to ensure compliance and project success.

Table 1 – Prioritized project list

| Applicant | Project title | Project description | Recommended award |
|-------------------|--|--|---------------------|
| Spokane Transit | Spokane Transit Battery Electric Bus Infrastructure | Construction and installation of up to seven electric charging stations and supportive infrastructure. | \$1,669,000 |
| King County Metro | King County Metro Transit Diesel Bus Replacement | Purchase of up to four electric buses. | \$3,307,200 |
| Pierce Transit | Electric Bus Charging Infrastructure | Relocation of up to 3 existing chargers, construction of up to 3 new charging stations and transformer to more efficiently charge vehicles while staged for maintenance. | \$585,319 |
| C-TRAN | C-TRAN All-Electric Vehicle Infrastructure | Construction and installation of up to three new transformers and up to twelve charging stations at bus facility. | \$1,260,000 |
| Pullman Transit | Transit Building Electrical Upgrades | Upgrade of electrical systems to increase charging capacity, upgrade of facilities, and installation of up to 2 depot charging stations. | \$262,500 |
| Kitsap Transit | Powering Kitsap Transit Toward Zero Emissions | Upgrade of infrastructure, installation of new transformer and up to 6 new depot charging stations. | \$1,042,000 |
| Twin Transit | Zero-Emission Transit and Mellen Street Transit Station | Purchase of up to 2 electric buses and installation of in-route charging stations at Mellen Street Park and Ride. | \$1,934,700 |
| Link Transit | Battery Electric Wireless Inductive Vehicle Charging and Modular Battery Storage Energy Management | Upgrade of on-route charging infrastructure, installation of up to 2 new charging stations and up to 3 battery storage units to manage peak demand charges. | \$1,409,281 |
| Total: | | | \$11,470,000 |

Table 2 – Projects proposed for contingency funding

| Applicant | Project title | Project description | Unfunded requested amount |
|----------------------------------|--|---|---------------------------|
| King County Metro - 2 | Metro South Base Campus Electrification (UNFUNDED) | Design of infrastructure and construction of up to two 10-charger unit systems at bus depot. | \$4,800,000 |
| Whatcom Transportation Authority | Natural Gas Generator to Provide Backup Charging for Electric Buses (UNFUNDED) | Purchase and installation of backup generator (which is powered by natural gas) to serve electric charging stations during disruptions to power supply. | \$530,502 |
| Community Transit | Kasch Park Casino Road EV Charging Stations and Replacement Non-Revenue Service Vehicle (UNFUNDED) | Purchase of a non-revenue service electric vehicle and construction of depot charging station. | \$124,960 |
| Grant Transit | Supplemental Funding for the Purchase of Electric Vehicles and Chargers to Replace Diesel Buses (UNFUNDED) | Purchase of up to three electric vehicles and construction of depot charging station. | \$1,260,000 |
| Total: | | | \$6,715,462 |