

Washington State Department of Commerce

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Type of Application: Individual application

Funding Requested: \$81,896,196

Application Title: Accelerating Washington's Climate Commitments: A Bold & Inclusive Path to Net Zero Emissions

Summary of GHG Measures, Implementing Entity, Measure Location and GHG Impact:

Sector	Measure Description	Implementing Entity	Location	Cumulative GHG 2025-2030 (MTCO <sub>2</sub> e)	Cumulative GHG 2025-2050 (MTCO <sub>2</sub> e)
Transportation	<b><u>VMT reduction through water transportation</u></b>  Incentives and equipment for water transportation in lieu of long-haul freight trucking to reduce vehicle miles traveled (VMT) and associated GHG emissions.	Port of Port Angeles	Port Angeles, WA; Everett, WA	3626	18,130
Transportation	<b><u>Enable decarbonization of rail infrastructure</u></b>  Retrofit workshop to accelerate conversions of Tier 3 and 4 locomotives and reduce emissions and pilot a hydrogen refueling station and engine conversions for hydrogen fuel cell trains.	Port of Pend Oreille dba Pend Oreille Valley Railroad (POVA)	Usk, WA	3858	177,456

Transportation	<b><u>Vehicle-to-grid integration for resilience</u></b>  Deploy electrified on-road fleet vehicles integrated with the local utility grid using smart charging technology, minimizing on-peak loads and providing backup power to critical loads during extreme weather events	City of Spokane Public Works Department and Avista Utilities	Spokane, WA	1016	5808
Transportation	<b><u>Tribal fleet electrification</u></b>  Supporting tribal fleet decarbonization through electric vehicles and charging, using renewables plus storage.	Cowlitz Indian Tribe Public Works	Longview, WA	2267	12,132
Electric Power	<b><u>Tribal Clean Energy grant program</u></b>  Support tribal energy sovereignty through additional funding to the Washington Department of Commerce Tribal Clean Energy grants program.	Washington State Department of Commerce	Statewide (open to all federally recognized tribes)	13,930	69,651
Buildings	<b><u>Decarbonize district energy systems</u></b>  Decarbonize campus fossil-fueled steam system through all-electric, heat pump based, low carbon impact heating and cooling system.	Seattle Central College	Seattle, WA	2916	15,878

Buildings	<b><u>Decarbonize district energy systems</u></b>  Decarbonize campus fossil-fueled steam system through new exhaust air heat recovery systems at two main science buildings and upgrading heating, ventilation and air conditioning (HVAC) controls.	Western Washington University	Bellingham, WA	5170	31,021
Agriculture	<b><u>Anaerobic digesters</u></b>  Deployment of community scale anaerobic digesters to handle food waste and reduce methane.	City of Tenino and Pierce County Planning and Public Works Department	Tenino, WA; Gig Harbor, WA (Pierce County);	2190	10,155
TOTAL				34,973	340,231

All measures are included in the Washington State Priority Climate Action Plan (Lead: Washington State Department of Commerce, <https://www.commerce.wa.gov/growing-the-economy/energy/infrastructure-investment-and-jobs-act/climate-pollution-reduction-grant-program/>)

Implementation grant measure	PCAP measure	PCAP page number
VMT reduction through water transportation	Mode shift from trucking to water transportation to reduce vehicles miles travelled	Pg. 47
Enable decarbonization of rail infrastructure	Enable decarbonization of rail infrastructure	Pg. 42
Vehicle-to-grid integration for resilience	Electrify municipal and tribal fleets including expansion of electric vehicle charging	Pg. 45
Tribal fleet electrification	Electrify municipal and tribal fleets including expansion of electric vehicle charging	Pg. 45

Tribal clean energy grant program	Support tribal energy sovereignty through Tribal Clean Energy grants	Pg. 49
Decarbonize district energy systems	Decarbonize campus energy systems	Pg. 24
Anaerobic digesters	Fund anaerobic digesters	Pg. 52