



**Portland General Electric**

121 SW Salmon Street • Portland, OR 97204  
portlandgeneral.com

May 19, 2023

U.S. Department of Energy, Grid Deployment Office  
Office of Clean Energy Demonstrations  
1000 Independence Ave SW  
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Commitment - Confederated Tribes of Warm Springs (CTWS)

To Whom It May Concern,

This Letter of Commitment confirms Portland General Electric's (PGE) support for and partnership with the Confederated Tribes of Warm Springs (CTWS) in their application for a Grid Resilience and Innovation Partnership grant for the Regional 500kV Transmission upgrade project. This innovative partnership between CTWS and PGE seeks to upgrade transmission capacity and provide much needed connection between PGE's service territory to off-grid pockets of renewable generation potential, including those on the Warm Springs Reservation.

PGE is an integrated electric utility serving roughly half of the state's population and two-thirds of Oregon's commercial and industrial activity. In 2021, Oregon passed one of the most aggressive electric-sector decarbonization laws in the country, establishing emissions-reduction targets for investor-owned utilities and electricity service suppliers. To support the 2030 decarbonization target of an 80% reduction in greenhouse gas emissions associated with serving our retail customers, PGE anticipates we will need to add a minimum of 2,500 MW of non-emitting resources. The large majority of renewable energy resource potential is located in the eastern half of the state, which will require the build out of additional transmission to carry the energy to the load centers on the western half the state. In addition to capital investments in support of the project, PGE will also bring to the partnership several decades of experience and expertise owning and operating several hundred miles of high voltage transmission lines including the ownership and maintenance of the transmission line that connects Oregon to California.

PGE believes this significant partnership with CTWS addresses nearly all the goals set forth in the grant. This proposal will advance the social and economic welfare of the CTWS community by providing a pathway to expand their participation in the green energy future that is blocked at present by deficiencies in transmission capacity in the region. PGE is committed to making significant investments in this partnership that will unlock new sources of Tribal revenue and promote equity between the Tribes and other Oregonians, while addressing grid resilience and energy production climate impacts in service of a clean energy future.

PGE is pleased to support CTWS in its application under DOE's BIL GRIP FOA for Topic Area 3. This project will leverage a longstanding relationship between PGE and the CTWS, provide much needed transmission capacity to expand the clean energy served to Oregonians, and unlock wealth building opportunities for Tribal members. Thank you for your consideration of CTWS' application.

Sincerely,

Maria Pope  
President and CEO  
Portland General Electric



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# A STRONG VOICE FOR OREGON'S WORKERS

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May 15, 2023

U.S. Department of Energy, Grid Deployment Office  
Office of Clean Energy Demonstrations  
1000 Independence Ave SW  
Washington, DC 20585

**RE:** *Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Support - Confederated Tribes of Warm Springs and Portland General Electric Regional 500kV Transmission Innovative Partnership*

To Whom it May Concern,

The Oregon AFL-CIO is the statewide federation of labor unions representing more than 300,000 working Oregonians across over 300 affiliated unions throughout the state of Oregon, including those who work in the utility sector. We are writing to express our strong support of the Confederated Tribes of the Warm Springs (CTWS) and Portland General Electric (PGE)'s grant application for funding through the Department of Energy Grid Resilience & Innovation Partnership (GRIP) program.

The proposed project will add much-needed transmission capacity as we look to meet the State of Oregon's decarbonization requirements of an 80% reduction in GHG emissions from the power served to customers by 2030 and 100% by 2040. The project partnership will not only allow for additional renewable energy to be brought to PGE's service territory which lacks the more consistent sun and wind found in other parts of the state, but will also unlock renewable energy production on Tribal lands and create career and wealth building opportunities for Tribal members. PGE has partnered with Oregon AFL-CIO affiliated unions for the last several decades, including IBEW Local 125 whose represented members work for PGE.

We appreciate the commitment of CTWS and PGE to leverage our union workforce to upgrade this vital corridor. This project will provide high quality, family wage jobs for working Oregonians and we urge your support of this project.

Sincerely,

Graham Trainor  
President  
Oregon AFL-CIO

May 18, 2023

**Sponsored Projects Administration**

Post Office Box 751, (SPA)  
Portland, OR 97207-0751  
Phone: (503) 725-9900 | Fax: (503) 725-9980

Jay Landstrom, Infrastructure Program Director  
Portland General Electric  
121 SW Salmons Street, Portland, OR 97204  
[jay.landstrom@pgn.com](mailto:jay.landstrom@pgn.com)

Dear Mr. Landstrom,

Portland State University (PSU) submits this letter of intent in support of the following proposed subaward under Portland General Electric's Department of Energy's GRIP 3 (DE-FOA-0002740) proposal submission.

Title: Confederated Tribes of Warm Springs (CTWS) and Portland General Electric (PGE) Regional 500kV Transmission Innovative Partnership

Proposed Project Period: September 16, 2023-September 15, 2030

Total Amount Requested:

Federal:

Direct Costs: \$428,642

Indirect Costs: \$211,473 (48.5%-49.5%)

Total Federal Costs: \$640,115

PSU Cost Share: \$55,795 (8.0%)

Total Project Costs: \$695,910

PSU Principal Investigator: Dr. Robert Bass

PSU proposal#: 00050494

Dr. Bass has the institutional approval to participate in this project. PSU is aware of the policies related to this project and agrees to administer the project consistent with them.

Please contact the following individuals for additional information regarding this proposal.

Programmatic Contact

Dr. Robert Bass  
Portland State University  
PO Box 751 (MCECS)  
Portland, OR 97207-0751  
Email: [robert.bass@pdx.edu](mailto:robert.bass@pdx.edu)

Administrative Contact:

Melinda Dawn Hendley  
Sponsored Projects Administration  
PO Box 751 (SPA)  
Portland, OR 97207-0751  
Email: [awards@pdx.edu](mailto:awards@pdx.edu)

Sincerely,

*Melinda Dawn Hendley*  
Melinda Dawn Hendley  
Grants and Agreements Analyst



May 16, 2023

U.S. Department of Energy, Grid Deployment Office  
Office of Clean Energy Demonstrations  
1000 Independence Ave SW  
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Support - Confederated Tribes of Warm Springs and Portland General Electric Regional 500kV Transmission Innovative Partnership

To Whom It May Concern,

This letter confirms the partnership of Oregon Tradeswomen, Confederated Tribes of Warm Springs (“CTWS” or the “Applicant”) and Portland General Electric (“PGE”) in support of the CTWS’ “Regional 500kV Transmission Innovative Partnership” project (“the Project”). The project will add much needed transmission capacity in the state as well as unlock renewable energy production on Tribal lands.

Oregon Tradeswomen helps transform lives by building community and economic independence through empowerment, training, career education, advocacy, and leadership development in the skilled trades. Our state-certified apprenticeship-readiness program supports female/non-binary underserved populations within the construction sector including formerly incarcerated, veterans, and women of color. Participants are offered skills training and education as well as exposure to registered apprenticeship programs at no cost. Our career counselors help graduates with applications to apprenticeship training programs and employers as well as providing individualized support throughout the entire career of a graduate.

The IIJA grant support and partnership through the Project would provide for additional capacity building for our organization, allowing us to reach more underrepresented populations within the construction sector. The partnership would also provide career exposure opportunities for our program participants as they explore their future career paths.

We are excited about this opportunity and urge your support of this application. Please contact me if you have any questions regarding our continuing support of the Project.

Sincerely,

Donna Hammond  
Interim Executive Director



May 12, 2023

U.S. Department of Energy, Grid Deployment Office  
Office of Clean Energy Demonstrations  
1000 Independence Ave SW  
Washington, DC 20585

RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) -  
DE-FOA-0002740 Letter of Support - Confederated Tribes of Warm Springs and Portland  
General Electric Regional 500kV Transmission Innovative Partnership

To Whom It May Concern,

This letter confirms the partnership of East Cascade Works, Confederated Tribes of Warm Springs ("CTWS" or the "Applicant") and Portland General Electric ("PGE") in support of the CTWS' "Regional 500kV Transmission Innovative Partnership" project ("the Project"). The project will add much needed transmission capacity in the state as well as unlock renewable energy production on Tribal lands.

East Cascades Works (EC Works) is a local workforce development board appointed by the Governor to serve the 10 counties east of the Cascades Mountain range in Oregon. The sovereign nation of the Confederated Tribes of Warm Springs is nestled within this service area. EC Works and CTWS have partnered on workforce development projects for more than 5 years with the goal of job creation and career readiness for youth and adults who reside in Warm Springs.

The IIJA grant support and partnership with the project will support additional capacity building for our organization that supports multiple disadvantaged communities within the ten counties that we serve. The grant support will also allow us to fund partners who will reach underrepresented populations adjacent to the Warm Springs Reservation through career learning experiences.

We are excited about this opportunity and urge your support of this application. Please contact me if you have any questions regarding our continuing support of the Project.

Sincerely,

Heather Ficht, Executive Director  
East Cascades Works



May 10, 2023

U.S. Department of Energy, Grid Deployment Office  
Office of Clean Energy Demonstrations  
1000 Independence Ave SW  
Washington, DC 20585

RE:      Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) - DE-FOA-0002740 Letter of Commitment – Confederated Tribes of Warm Springs (CTWS)

To Whom It May Concern,

This Letter of Commitment confirms PEAK Internet's (PEAK) support for the Confederated Tribes of Warm Springs (CTWS) and Portland General Electric (PGE) Regional 500kV Transmission Innovative Partnership. The unique partnership between CTWS and PGE seeks to upgrade transmission capacity and establish a connection between PGE's load centers, which contain 70 percent of Oregon's population and industrial capacity, and the off-grid pockets of renewable generation potential including those on the Warm Springs Reservation.

The transmission upgrade project will be supplemented by an initiative to include new high-bandwidth fiber optic communications, enhancing middle mile capabilities across the Cascade Mountain range. The new telecommunications infrastructure will create the necessary foundation that will enable broadband and last mile service providers to "close the digital divide" in communities and surrounding areas that have lacked adequate broadband services. The CTWS/PGE and PEAK partnership will provide PEAK access to the necessary middle mile infrastructure to construct a "future proof" fiber-to-home (last mile) network.

PEAK is pleased to support CTWS in its application under DOE's BIL GRIP FOA for Topic Area 3. PEAK recognizes the primary driver of the project is to alleviate regional transmission capacity constraints and stimulate renewable energy development projects like those owned by the CTWS. Additionally, we would like to highlight that the project will also significantly upgrade communication systems in the region, improve grid resiliency, and benefit underserved communities.

Sincerely,



Rick E. Petersen  
President/CEO





LINK  
OREGON

Steve Corbató | Executive Director  
corbato@linkoregon.org  
503-998-3957

May 2, 2023

Grid Deployment Office  
Office of Clean Energy Demonstrations  
U.S. Department of Energy,  
1000 Independence Ave, S.W.  
Washington, D.C. 20585

**RE: Bipartisan Infrastructure Law (BIL) - Grid Resilience and Innovation Partnerships (GRIP) –  
DE-FOA-0002740 Letter of Commitment – Confederated Tribes of Warm Springs (CTWS)**

To Whom It May Concern,

Link Oregon (dba for the Oregon Fiber Partnership), the non-profit, middle mile network for Oregon's public and non-profit sectors, strongly supports the Confederated Tribes of Warm Springs (CTWS) and Portland General Electric (PGE) Regional 500kV Transmission Innovative Partnership. This unique partnership seeks to upgrade the transmission capacity and to establish a connection between PGE's load centers, which support 70% of Oregon's population and industrial capacity, and the off-grid pockets of renewable generation potential, including those on the Warm Springs Reservation.

We support the funding of the project, as a means of increasing the resiliency of both electric and broadband infrastructure through the increasingly wildfire prone Cascade Mountains. The upgraded transmission infrastructure resulting from this project is vital to the installation of over 100 miles of fiber optic cable across PGE's service territory, connecting its facilities in Salem, Oregon, with those near Madras, Oregon, and close to the Tribal lands of the Warm Springs Tribe. The installation of fiber optic cable (dark fiber) in the Cascades, enabled via this transmission upgrade project, will unlock opportunity for several last mile providers and middle mile broadband providers to offer high speed broadband services to communities of the region, particularly the fire ravaged communities of Detroit and Idanha as well as Warm Springs in a cost-effective way.

Link Oregon and PGE have an established partnership to support Link Oregon's continuing efforts to extend our network's long reach on both sides of the Cascade Mountains in a resilient manner. Accordingly, if this project is funded, the Partnership will provide Link Oregon with long-term access to four optical fiber strands (one pair for production and the other as spare) along the route of the funded infrastructure.

Link Oregon is excited to support the transmission rebuild project and would be glad to provide any further information. Thank you very much for your consideration of this proposal.

Respectfully,

Steven Corbató, Ph.D.  
Executive Director