

Name of the Applicant: Confederated Tribes of Warm Springs (CTWS)

Principal Manager: Cathy Ehli

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

Project Objective: This innovative partnership between CTWS and PGE seeks to upgrade transmission capacity and establish a connection between PGE's load centers, which contains roughly half of Oregon's population lives and 2/3 of the state's commercial and industrial activity, with the vast – but currently isolated -- reservoir of renewable generation resources east of the Cascades, including those on the Warm Springs Reservation.

Project Partners: Portland General Electric, PDXO, Portland State University, Oregon Tradeswomen

Proposed Project Benefits:

In this project, CTWS and PGE will form an innovative, transformational, and mutually beneficial transmission partnership that seeks to advance Tribal leadership in the energy industry. Together, they will build a bridge between PGE customers and the immense, but islanded, renewable generation potential of the Warm Springs Reservation – up to 1800 MW of carbon-free solar resources – 87 miles to the east. The new transmission capacity will also enable PGE's customers to access renewable resources from other states, regions, and markets via a more robust connection with the greater West Coast larger transmission network in the West.

Project Abstract: CTWS proposes a project partnership with PGE to upgrade existing 230 kV east-west transmission corridor to 500 kV. This will add needed capacity to move large amounts of renewable energy from Central Oregon and other regions, including from Tribal lands into PGE's load center in the Willamette Valley. PGE service territory are typically not renewable resource-rich areas due to lower solar penetration and wind resources in Western Oregon and lack of large land sites to support renewable development. These clean resources are most abundantly available east of the Cascade Mountain range. The CTWS/PGE Regional 500kV Transmission Innovative Partnership will connect these new non-emitting resources with the population and load centers of the state.