



FACT SHEET

GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Established by the Bipartisan Infrastructure Law, the U.S. Department of Energy's Grid Deployment Office is administering a historic \$10.5 billion investment via the Grid Resilience and Innovation Partnerships (GRIP) program to enhance grid flexibility, improve the resilience of the power system against growing threats of extreme weather and climate change, and ensure American communities have access to affordable, reliable, clean electricity when and where they need it.

GETTING SnoSMART IN SNOHOMISH COUNTY

The Snohomish County Public Utility District's Secure Modern Automated and Reliable Technology (SnoSMART) project is an infrastructure and software project intended to improve the flexibility, efficiency, reliability, and resilience of the Snohomish County Public Utility District's (SnoPUD) grid. This \$60-million project will deploy hundreds of wireless-connected smart grid devices to the distribution grid and upgrade the software tools to operate the devices. Transforming the system visibility and control for SnoPUD's grid operators will further prepare the grid for widespread electrification of vehicles and buildings and enhance the utility's ability to add distributed energy resources through advanced system planning.

SnoSMART will move smart grid capabilities from SnoPUD's centralized substations into the distribution grid via two core elements: Distribution Automation Infrastructure (DAI) and a modern supervisory control and data acquisition (SCADA)/advanced distribution management (ADMS) system. These elements work together to deliver exciting new capabilities on the SnoPUD grid, moving the utility toward a smart grid to meet future demands.

Anticipated Outcomes and Benefits

- › Wildfire risk mitigation and prevention in SnoPUD territory with the highest wildfire risks.
- › Improved grid visibility and control capabilities for grid operators and new data analytics possibility with grid monitoring devices.
- › Grid reconfiguration capabilities that will increase flexibility, efficiency, reliability, and resilience in normal operations and in response to outages caused by extreme weather.
- › Improved grid voltage regulation in response to grid-wide resource adequacy needs.
- › Protection system reconfiguration in response to real-time wildfire risk conditions.
- › Improved information and planning tools to integrate electric vehicles (EVs), renewable energy resources, and other grid-edge devices.
- › **Disadvantaged communities** (DACs), including but not limited to the Tulalip Tribes, will benefit directly from wildfire risk mitigation, including mitigation of wildfire smoke, a significant health risk in recent years. Furthermore, DACs will see significant reductions in outage restoration times and benefits from increased system efficiencies.
- › Increased skilled workforce within the Tulalip community by assuring that tribal energy resilience measures can be operated and maintained by tribal members and businesses, where possible. Workforce and supplier pipelines will also be diversified through outreach to Tribal colleges and businesses owned by underrepresented groups.
- › Seventeen professional, technical, skilled, and apprentice-able new positions, as well as other positions during the project's implementation and during post-implementation maintenance.
- › Approximately \$15.6 million (52%) of the \$30 million federal grant will directly benefit Justice40 communities.
- › Partnership with local union supports workforce development, safety standards, and good-paying jobs.

PROJECT DETAILS

- › **Project:**
Snohomish County Public Utility District's Secure Modern Automated and Reliable Technology Project (SnoSMART)
- › **Applicant/Selectee:**
Public Utility District 1 Of Snohomish County
- › **GRIP Program:**
Smart Grid Grants (Bipartisan Infrastructure Law, Section 40107)
- › **Federal cost share:**
\$30,000,000
- › **Recipient cost share:**
\$30,000,000
- › **Project Location:**
Washington
- › **Project type:**
Resilience and Sectionalization

HELPFUL LINKS

- › [Grid Resilience and Innovation Partnerships Program](#)
- › [About the Grid Deployment Office](#)

Published October 2023. Fact sheet information is based on project applications at the time of publication and should not be considered final.