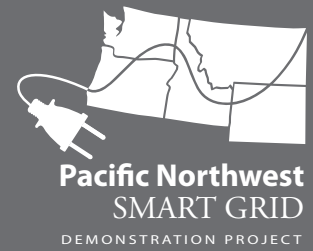


IBM

Pacific Northwest Smart Grid Demonstration Project



About IBM

IBM is a global technology and innovation company headquartered in Armonk, New York. It works with clients around the world to help them grow “smarter” as the planet becomes more digitally interconnected. Through IBM’s business consulting, technology and research expertise, the company is working with governments and companies to build systems that create intelligent power, safer food, cleaner water and healthier populations. IBM began work on smart grids in 2000, working with partners including the U.S. Department of Energy and in 2007, IBM formed the Global Intelligent Utility Network Coalition to support smart grid transformations by sharing best practices and lessons learned among utilities. This year marks IBM’s centennial, and Energy & Utilities continues to be one of its most important areas of industry focus.



Project Overview

IBM Research is the lead technology partner in the Pacific Northwest Smart Grid Demonstration project. It is building the infrastructure to disseminate the Project’s transactive incentive signal and interlace it with the participants’ responsive assets. IBM will provide hardware and software that will allow the project’s data to flow more effectively, securely and efficiently and support the overall system architecture and interoperability. Lastly, IBM is contributing to the cyber-security, modeling and analytics, social computing and cyber-physical system aspects of the design and development.

The Pacific Northwest Smart Grid Demonstration Project, or PNW-SGDP, is a collaborative, five-year test of new technologies and capabilities that will make our regional power grid smarter. Unique in size and scope, the PNW-SGDP involves the Bonneville Power Administration, five technology partners, 11 utilities across five states, Washington, Oregon, Idaho, Montana and Wyoming, and the University of Washington. The PNW-SGDP will demonstrate the potential for a safe, scalable and interoperable smart grid for regulated and non-regulated utility environments. The project is managed by Battelle’s Pacific Northwest Division located in Richland, Wash. Battelle is a \$5 billion non-for-profit organization that benefits mankind by helping solve some of the world’s toughest science and technology based challenges.

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