

CASE STUDY

Project Management and Technical Assistance for UDERMS DOE Grant

BACKGROUND

PacifiCorp is an electric power company serving the western United States, doing business as Rocky Mountain Power, serving Utah, Wyoming, and southeastern Idaho, leveraging federal funding via a Department of Energy grant to undertake an ambitious project titled Utility Managed Distributed Energy Resources Intelligent Community (UDERMS). The project aimed to integrate "behind the meter" Distributed Energy Resources (DERs) with various types of buildings to optimize grid services and enhance building energy efficiency. Targeting a demonstration of 8.26 megawatts (MW) of flexible loads, the project sought to showcase significant energy savings, support the integration of renewable resources, and develop viable business models for nationwide replication.

CHALLENGE

The UDERMS project encompasses multiple technical and managerial challenges, including grid service development, energy efficiency assessments, cybersecurity, and stakeholder engagement. Additionally, the project requires meticulous planning and execution across five budget periods, spanning from initial modeling and design to market transformation and best practice dissemination.

SOLUTION

EPE's project management expertise and technical assistance are instrumental in navigating the rigor of the DOE grant process combined with the complexity of UDERMS project. The project objectives are on-track and continue to meet the timelines necessary to ensure a successful project. With PacifiCorp as our partner, EPE feels we have meaningfully impacted the UDERMS project enabling the potential of DERs in enhancing grid reliability, supporting renewable integration, and advancing energy efficiency goals. EPE's contribution has paved the way for future endeavors in the utility-managed DER landscape, setting a benchmark for similar projects nationwide.

CLIENT



TYPE

Project Management

SECTOR

Demand Flexibility

LINE OF BUSINESS

Electrification Stakeholder Engagement

SERVICES PROVIDED

- Project Management
- Technical Expertise
- Grid Services Development
- Energy Efficiency Assessments
- Cybersecurity
- Stakeholder Engagement
- Data Management and Analysis



Delivering Energy Intelligence