

CASE STUDY

Project and Stakeholder Management and Demand Response Program Design Services for PacifiCorp

Engaged by PacifiCorp, EPE provided project and stakeholder management and engagement services to coordinate with stakeholders to implement and deliver projects. EPE also leveraged its expertise to design demand response (DR) programs to enable grid services.

Demand response (DR) refers to adjusting electricity usage in response to grid conditions, typically through incentives or automation, to maintain grid stability and efficiency.

CHALLENGE

PacifiCorp needed to design demand response programs that enabled grid services. This included achieving multiple objective functions such as peak load shaving or shifting, ancillary services, economic dispatch, voltage support, or frequency regulation.

They needed to design programs that met technical requirements, catered to different customer segments, and incorporated appropriate control parameters and performance requirements including specific use cases such as EV fleets, fast chargers, and level 2 chargers in various scenarios.



SOLUTION

EPE managed stakeholder communication and coordination, carried out robust project management, developed a strategic demand response design, and customized demand response program designs for different use cases.

They conducted regular meetings to coordinate with stakeholders, and implemented a comprehensive project management framework to track progress against milestones.

Through thorough research and analysis, EPE learned of the specific requirements and objectives for the DR programs and aligned those with best practices.

EPE then tailored program design to address the specific requirements and challenges in various settings such as workplace charging, public charging and multifamily homes.

RESULTS

The outcome was a strategically designed DR program that met PacifiCorp's objectives and technical requirements.

Implementation of these DR programs will lead to financial incentives, lower energy rates, enhanced grid reliability, and insights on energy usage patterns and operational planning that will benefit the utility as well as consumers.