

CASE STUDY

Empowering Nevada's Electric Vehicle Transition: Comprehensive Transportation Electrification Plan for NV Energy

For NV Energy, Electric Power Engineers spearheaded the development of a comprehensive Transportation Electrification Plan, facilitating a roadmap for a seamless transition for all customer classes to electric vehicles. It encompassed rate designs, technical requirements, customer education, and more, guided by stakeholder feedback, benchmarking, and existing utility program experiences.

CHALLENGE

NV Energy sought to develop a comprehensive Transportation Electrification Plan to facilitate the transition to electric vehicles for all customers across Nevada.

The complexity of the plan demanded the integration of multiple aspects like rate designs, technical requirements, customer education, and more. The challenge was to ensure that all these components were well-aligned with the needs of the customers, regulatory requirements, and were effective in accelerating the electrification of transportation, all while ensuring benefits to the grid.



SOLUTION

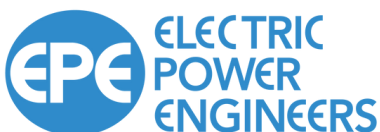
EPE, leveraging their team's years of experience, formulated an inclusive Transportation Electrification Plan for NV Energy.

The plan outlined programs, investments, and incentives for transportation electrification acceleration, identifying crucial aspects such as rate designs, technical requirements, supporting management systems, customer education, workforce development, and regulatory reporting.

EPE also led the utility program benchmarking and design for a Managed EV Charging Program for residential and commercial charging stations. They provided technical advisory services to commercial customers, including individual site assessments for charging infrastructure deployment. The team also prepared multiple RFP packages for EPC services, EV charging equipment, and cloud-based software for charging stations.

RESULTS

The comprehensive Transportation Electrification Plan is set to pave the way for a future-oriented transition to electric vehicles across Nevada. The plan's holistic and customer-centric nature, coupled with strategic benchmarking and program design, is expected to play a vital role in accelerating EV adoption. The technical advisory services and the Managed EV Charging Program are designed to provide personalized assistance to NV Energy's commercial customers, thereby enhancing the utility's ability to meet unique customer needs. Furthermore, by preparing for an EV future, NV Energy is better equipped to plan for the evolving needs of the grid, positioning the utility to be a key player in Nevada's sustainable energy.



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