

CASE STUDY

Distribution Design & Joint Use Engineering

BACKGROUND

Glendale Water & Power (GWP) is a municipal utility company located in Glendale, CA. GWP provides the community with essential services related to water and electricity. As a Publicly-Owned Utility (POU), GWP is dedicated to delivering reliable and sustainable utility services to its residents and businesses. GWP was seeking to partner with an experienced consulting firm to conduct and oversee a fiber installation project, including the design and installation of fiber infrastructure.

CHALLENGE

The project required a consultant to conduct field visits to gather data, such as measurements and assessments of existing infrastructure. This data serves as the critical foundation for determining routing, make-ready requirements, and addressing intricate design considerations.

SOLUTION

Drawing from the collected field data, EPE created a comprehensive fiber design, including splice plans, route details, and pole loading analysis. EPE diligently handled make-ready work, which involved realigning attachments, tree trimming, and necessary remedial actions. EPE's responsibilities extended to coordinating permits and traffic control plans, ensuring compliance with restoration requirements, and providing a detailed Bill of Materials (BOM). The project was subject to potential scope changes, and EPE was committed to assisting with design alterations within the existing scope. In summary, EPE successfully completed a fiber installation project, showcasing its expertise in data collection, design, make-ready work, and coordination with regulatory requirements. The deliverables included comprehensive designs, plans, permits, and a detailed BOM.

CLIENT



TYPE

Publicly-Owned Utility (POU)

SECTOR

Distribution Utilities

ISO

CAISO

LINE OF BUSINESS

Distribution Design

SERVICES PROVIDED

- Distribution Design - Joint Use Design, Overhead and Underground

LOCATION

Glendale, CA

COMPLETED DATES

2023

REFERENCE

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