

Consumers Energy Company

Pipeline and Meter Station Replacement



Increasing demand for gas in areas served by an obsolete pipeline prompted Consumers Energy to engage SSOE's engineering and procurement services to upgrade and replace the line. The project included developing multiple iterations of the routing plan to avoid recreational areas. SSOE assisted in obtaining permits from the township and various other agencies. The approved route added two miles to the line, making the 24-inch pipe 11 miles in length. SSOE also designed a temporary bypass to maintain gas service while the 2.5-year project was completed.

One of the existing meter stations was demolished and replaced. The addition of a separation wall was included as a safety measure in the event of a gas leak. The other station was upgraded and remodeled. SSOE developed renderings of the stations and designed landscaping to meet the client's goal of creating a residential character to these buildings, allowing them to blend into the surroundings.

Procurement proved to be challenging due to the extent of supplies and materials that had to be pre-purchased and the difficulty of obtaining the needed parts. SSOE responded to the challenge with careful tracking and tight coordination of the procurement process.

value promise

Tight coordination of the procurement process prevented potential schedule delays and cost increases due to a scarcity of available parts.

size 24-inch pipeline, 11 miles long

location Wayne County, Michigan

highlights

Multiple iterations of routing plan to avoid recreational areas and gain township approval

Maintained gas flow via temporary bypass during construction

Designed meter stations with residential character to blend into surroundings