



newsletter

City of Evanston Public Works Agency

Water Plant 4160V Electrical System Reliability Project

April 8, 2026

Project Description

The City of Evanston is beginning a \$19.5 million construction project to improve the reliability of the electrical system at the water plant. This project will help ensure the delivery of high-quality drinking water to nearly 500,000 people in Evanston and surrounding communities served by the Evanston Water Plant.

The medium voltage (4160V) switchgear currently at the water plant was built in 1964 and has been maintained past its useful life. Current safety standards require additional space for such equipment. The two generators currently providing backup electrical supply to the water plant have also been maintained past their useful lives and are undersized for the current demands of a modern facility. Key improvements of this project include; replacement of the existing 4160V switchgear, installation of two 1460V / 1000kW natural gas generators, replacement of existing 480V switchgear, installation of a new connection terminal for emergency connection to a diesel generator, expanded area to safely accommodate the new equipment, and installed ability to include future solar and vehicle charging capacity.

Schedule

This contractor began mobilizing in March, and structural modifications are scheduled to begin in April. Work is scheduled to complete by December 2, 2028.

Funding

Funding for this project is being provided by a low interest loan from the Illinois Environmental Protection Agency's State Revolving Fund (SRF) Public Water Supply Loan Program (PWSLP). The PWSLP is funded by both state and federal sources.

Contractor Information

The contractor for this project is Broadway Electric, Inc., 500 W Algonquin Rd., Mount Prospect, IL 60056.

City Monitoring

This project will be monitored by the City's Capital Planning & Engineering Bureau. If you have any questions or concerns, please do not hesitate to contact Paul Moyano, Senior Project Manager at (847) 448-8217, or pmoyano@cityofevanston.org.



City of
Evanston[™]