

1909 RAW DRINKING WATER INTAKE PROJECT

BORROWER: City of Evanston

LOCATION: Evanston, Illinois

WIFIA LOAN AMOUNT: \$20,386,000

TOTAL WIFIA PROJECT COSTS: \$41,606,073

POPULATION SERVED BY PROJECT: 365,000 people

NUMBER OF JOBS CREATED: 133 jobs



Photo Credit: City of Evanston

PROJECT DESCRIPTION

The City of Evanston's 1909 Raw Drinking Water Intake Project will replace a failing raw water intake in Lake Michigan and improve water supply reliability for the residents of ten Chicago-area suburbs. The Evanston Water Treatment Plant currently uses three intakes to withdraw raw water from Lake Michigan to meet the community's drinking water needs. By replacing the 110-year-old intake with modern infrastructure, the city will ensure sufficient treatment capacity for decades to come. This project is designed to limit the impacts of lake currents and corrosion on the replacement pipe and be resilient to the impacts of climate change on Lake Michigan.

PROJECT BENEFITS

- Provides safe drinking water and increases system reliability by modernizing aging infrastructure.
- Reduces exposure to lake currents and corrosion by burying the intake under the lakebed.
- Limits the climate change impacts by using low lake level projections to determine the appropriate size and capacity of the intake.
- Saves the City of Evanston approximately \$4.7 million from financing with a WIFIA loan.