

City of Everman Overcomes Water Loss and Gains Significant Water and Energy Savings



Total Savings:
Over \$2.2MM
20-Year Projection

First-Year Savings

Over \$86,000

\$65,733

In Water Meter Revenue

\$2,700

In Water Meter Savings

\$15,093

In Lighting Energy

\$2,876

In Lighting Maintenance

LED Lighting drastically improved the conditions in the following locations:

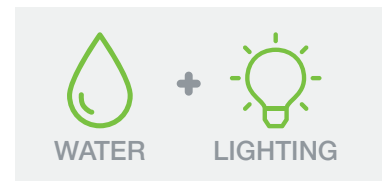
- City Hall
- Police Station
- Fire Station
- Library
- Shop Building
- Annex
- Service Building 409/Pump House
- Service Building 411

CHALLENGE

When the City of Everman realized it was losing millions of gallons of water monthly they turned to NextEra Energy Solutions and put their tax dollars to work. Mr. Michael Gunderson, Everman City Manager, explained, "Like many small cities with limited resources, some of our processes remained somewhat antiquated (i.e. our water meter reading). Additionally, we had never evaluated our use of electricity. After I explained to NextEra Energy Solutions how three city workers spent up to a week reading our water meters, and how clumsy and inaccurate the process was to post those readings, they presented a proposal."

ANALYSIS

In an effort to help the residents of Everman, NextEra Energy Solutions conducted an analysis of the City's water meters and electrical consumption. "NextEra's proposal noted they could fix our meter reading process, reduce electrical energy consumption and pay for it with our savings. It showed by replacing old meters plagued by diminished reading accuracy, and installing an auto-read meter system, could result in significant savings. NextEra also recommended replacing all city lighting with LED lighting fixtures, (again, paying for itself with reduced kWh consumption), and they even arranged for financing," noted Mr. Gunderson.



RESULTS

After putting the project to vote, and being approved by city council, NextEra Energy Solutions installed 1,968 new water meters throughout the city, which allowed them to read all of the meters in one day, and reduce labor costs overall. In addition to the new accurate-reading water meters, NextEra Energy Solutions retrofitted several city facilities with LED lighting technology. The project recovered more than \$70,000 in lost revenue and saved nearly \$18,000 in operating costs.

"Today, we can read our meters in one day and in any weather. The labor savings is huge. And with same day readings every month, our data is more accurate, consistent and we have fewer customer complaints. The LED lighting reduced our electric invoices from around \$20,000/month to an average of \$16,000. That savings pays over one half of our total annual loan payment," said Mr. Gunderson.

By working with NextEra Energy Solutions and both **saving resources and measuring more accurately**, the City of Everman has saved substantially on energy consumption and water loss over time.