Connecting the Dots

Best Practices in Outreach and Education

Collaboration Between State Agencies to Better Serve Wisconsin’s Citizens

Megan Levy

NGA Energy Water Nexus Learning Lab

September, 1 2020
One of the primary purposes of the Compliance Maintenance Annual Report (CMAR) is to foster communication.

Communication of Wastewater Resource Recovery Facilities needs among operators, governing bodies, and the DNR.

This project allows the CMAR to become an educational tool that increases awareness of the importance and value of wastewater treatment energy efficiency.

Further this project involved OEI and Focus on Energy, non-regulatory partners.
Partnership with DNR enabled CEU for operators. Fostered very good attendance.
Welcome to the Wastewater Treatment Facility Energy Tracking Tool!

1. Collect energy usage information - gather all utility bills for all components of your facility (i.e. Lift Stations, Grinder Pumps, Administrative Offices, etc.).
2. Enter bill data - enter the appropriate bill data into the tables following the instructions below. Calculated columns won’t allow you to edit them.
3. Track your energy usage - The Summary Data button will bring you to the summary dashboard. It will populate once you have entered billing data in the appropriate tables.

The Wastewater Treatment Facility Energy Tracking Tool was developed by MEETAP to help WWTF operators easily track facility energy usage. For questions or comments, contact OEI staff. Follow the instructions below:

- **Input Data**
  - Full Name
  - Phone
  - Email
  - Address 1
  - City
  - State
  - Zip

- **Generate Graph**
  - Electricity Other
  - Lift Stations
  - Grinder Pumps
  - Natural Gas
  - Flow Data

- **Electricity Summary Table**
  - Month
  - Total Energy Consumption (kWh)
  - Total Energy Charges ($)
  - On-Peak Demand (kW)
  - Off-Peak Demand (kW)
  - Total Demand Charges
  - Daily Average Energy

- **Natural Gas Summary Table**
  - Month
  - Total therms used
  - Natural Gas Use (MMBtu)
  - Average Cost ($/therm)

- **Flow Summary Table**
  - Month
  - Monthly Total Flow to Facility (MG)
  - Monthly Total BOD to Facility (lbs)
  - Total kWh/Total Flow (kWh/MG)
  - Total kWh/Total BOD (kWh/lb)
Facility Distribution Across the State

Flow Range
- > 5
- 1 - 5
- 0.5 - 1
- 0 - 0.5