

Joint Energy & Plant Operations

TECHNICAL PRESENTATIONS & TOUR

2022
SPECIALTY
CONFERENCE
& WORKSHOP
SERIES



September 15, 2022 • 8:30 AM–Noon • South Essex Sewerage District (SESD)

Join us on September 15 in Salem, MA for a technical session and plant tour of SESD. Leading WW plant energy and operations experts including Cascade Energy, National Grid and AECOM will provide presentations about energy efficiency and operational improvements, combined heat and power (CHP) and other plant operational improvement opportunities. SESD and its consultants will talk about the many energy and operational efficiency improvements they have made over recent years, including the CHP project that was developed and installed at the facility.

The half-day event will include eligibility for TCHs as well as a plant tour that will enable participants to see many of the improvement projects that SESD has implemented at the facility and ask questions of the operators.

Operators, superintendents, city engineers, consultants, contractors and all other industry professionals who are interested in optimizing their wastewater operations through energy efficiency and CHP should attend. Attendance is limited!

TOUR: SESD



SESD has been reducing its energy dependence on the energy grid for more than twenty years. The District has reduced their energy use by over 40 percent in that timeframe. The District has committed significant time and resources to being a leader in energy management and promoting energy optimization at the wastewater treatment plant. Energy reduction was achieved through a number of concurrent efforts; combined heat and power, demand response, alternative energy portfolio credits and energy conservation measures.

Safety glasses and hard toed shoes required.

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SCHEDULE

SESD, 50 Fort Avenue, Salem, MA

- 8:30 AM** Registration (coffee & donuts)
- 8:55** **Welcome and Opening Remarks**
• Frederick McNeill, NEWEA President
- 9:00** **Better Plants Program Cohort—EE Measures and Process Optimization**
• Peter Wernsdorfer, Cascade Energy
- 9:30** **National Grid Incentive and Electrification Programs**
• Michael McDonald, NationGrid
- 9:50** Break
- 10:00** **South Essex Sewerage District's Reducing Our Dependence on the Energy Grid—A Long-term Energy Management Strategy**
This presentation focuses on the implementation of the various measures, cost reductions achieved, potential future opportunities and lessons learned.
• Richard Delacono
SESD Superintendent of Operations
• Peter Pommersheim
SESD Project Manager
- 10:30** **No Digester, No Problem: CHP May Still be a Viable Option for Your Wastewater Treatment Facility**
There is a misconception that CHP facilities are only viable at wastewater treatment facilities that utilize anaerobic digestion. The successes of this project demonstrates that natural gas fueled CHP systems can still be an option for WWTFs without digesters and can be used to significantly offset energy costs.
• Matthew Ribeiro, AECOM Project Manager
• Jeffrey Reade, AECOM, Wastewater Leader
- 11:00** **Tour the 12 acre SESD facility** including the cogeneration facility to understand the complexity of this project.
- Noon** **Adjourn**

Cost: NEWEA Members: \$50 / Non members: \$75
Registration costs increase \$25 after September 7, no refunds.

Register online: newea.org/registration/

Limited Space. Sign Up Early to Save Your Spot!

3.0 TCHS pending approval