

Activated Sludge Automation Strategies for Time Management

October 25th, 2022



SEDAC

SMART ENERGY DESIGN ASSISTANCE CENTER

Providing effective energy strategies for buildings and communities



Who We Are

We assist buildings and communities in achieving energy efficiency, saving money, and becoming more sustainable.

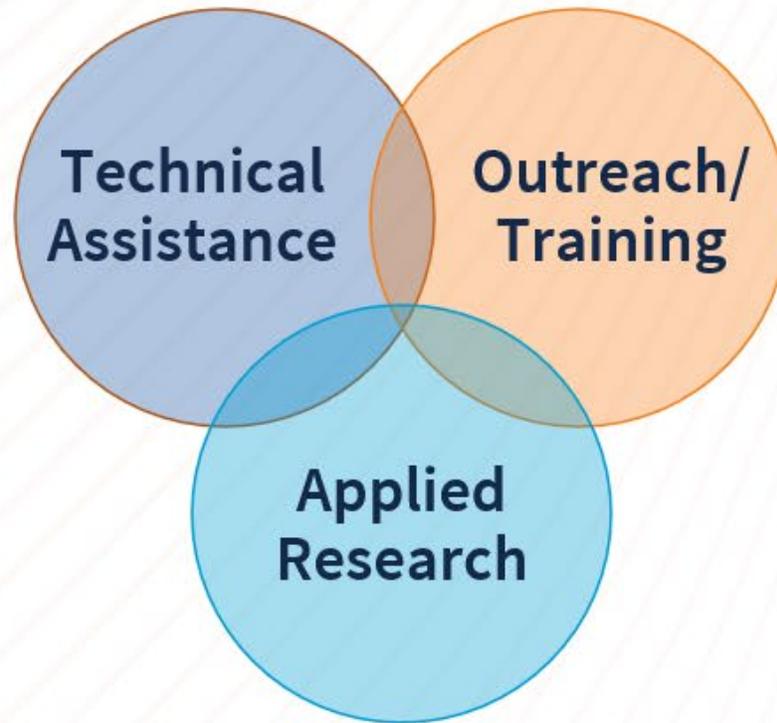
We are an applied research program at University of Illinois.

Our goal: Reduce the energy footprint of Illinois and beyond.



ISTC Mission

To encourage and assist citizens, businesses and government to prevent pollution, to conserve natural resources, and to reduce waste to protect human health and the environment in Illinois and beyond.



About the IEPA PWI Energy Efficiency Program

The Illinois EPA Public Water Infrastructure Energy Assessment Program helps municipalities reduce the cost of water and wastewater treatment.

- FREE energy assessments and technical assistance
- Comprehensive report listing:
 - Cost of upgrades
 - Estimated payback period
 - Any applicable incentives or funding opportunities
- Operator continuing education events



Apply at: www.sedac.org/water



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U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



Why Complete an Energy Assessment?

Older Existing System or No Previous Assessments?

Identify missed opportunities

Plan for capital improvements

Uncover what is possible

3rd party support for WWTP
personnel's ideas

New or Recently Upgraded?

Always more to improve

Plan for future opportunities
outside the scope of recent
projects

New technologies and processes
always in development

**Identify opportunities for repairs or upgrades and
associated funding!**



Apply for an Energy Assessment!

Step 1: Initial Application – Pre-Qualification

- Apply at www.smartenergy.illinois.edu/water
 - Be located in Illinois and be publicly-owned
 - Allow SEDAC/ISTC to visit site – remote visit is an option!
 - Be willing to share facility information
 - Share final assessment report with Illinois EPA

Step 2: Data Collection

- Facility information –discharge reports, process flow diagram, etc.
- 2 years of utility bills and DMRs
- We're here to assist!

Step 3: Site Visit Scheduled



Automation for Time Management



Webinar Agenda

- Brian Vu, Senior Practice Solution Architect, Xylem
- Jeremy Henning, Assistant Executive Director, Glenbard Wastewater Authority



Questions?

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smartenergy.illinois.edu/water

