

RAPIDS Wastewater Treatment Optimization

Program Overview

Why choose RAPIDS?

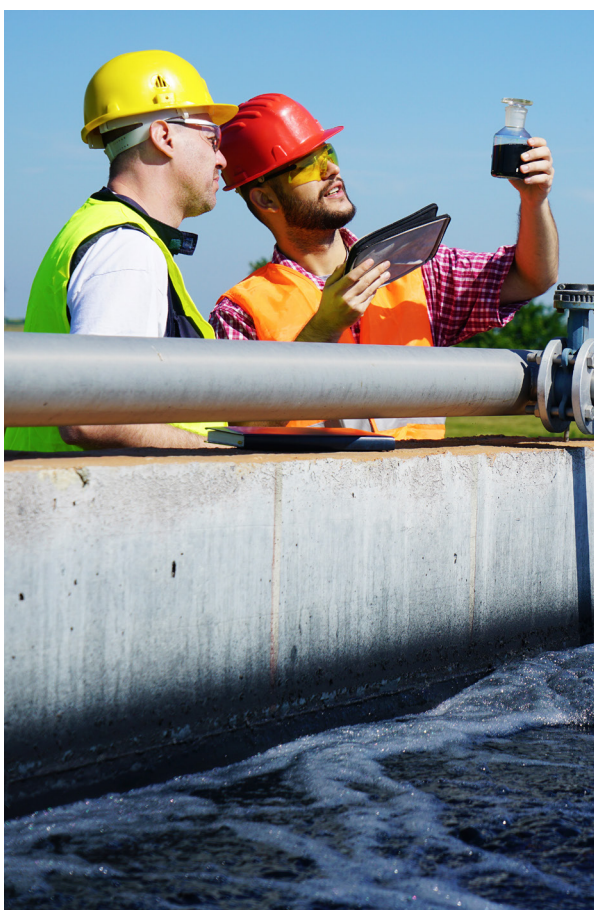
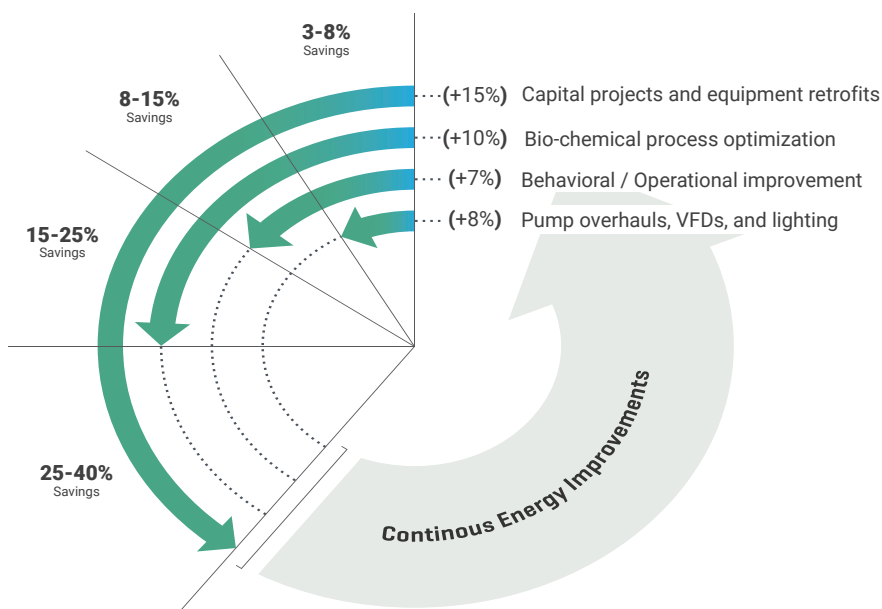
- ▲ **We say no to "off-the-shelf-solutions"**. RAPIDS accelerates wastewater energy management solutions by using a diagnostic three-phase strategy.
- ▲ **We protect your most valuable plant assets.** RAPIDS simplifies efficiency improvements without compromising plant operations.
- ▲ **We build teams.** RAPIDS is designed to help manage the decision-making process while building a culture of excellence.



Do more with RAPIDS

RAPIDS takes a 360-view of wastewater treatment plants and provides flexible energy management options that simplify efficiency improvements without compromising plant safety, regulatory and compliance objectives, or budget resources.

Our approach considers four areas of energy management strategies, designed to identify up to 40% energy savings in an Energy Action Plan that leads to continuous energy improvements and a phased capital project schedule to meet the needs of each customer.



How does RAPIDS work?

RAPIDS accelerates wastewater energy management solutions using three foundational services:

- RA**
 Risk Assessment
 Opportunities for optimization are considered in terms of risk, risk avoidance, and risk mitigation. We focus on your mission critical objectives and enhance reliability through energy.
- PI**
 Process Improvement
 Process improvements are individually analyzed and chosen based on their reliability, visibility, control, and energy performance.
- DS**
 Decision Support
 We help your team analyze risks and benefits of energy options to enable and accelerate agency decision making and approvals.



What the RAPIDS team brings to the conversation

Process Expertise

We specialize in biology, chemistry, process design, maintenance reliability, risk mitigation, and system engineering.

Easier Access to Incentives

We offer enabling incentives for engineering services, and sub-metering. We also support On-bill Financing (OBF) efforts.

Better Project Planning

Our approach helps identify O&M savings and planning sooner, making it easier to plan out longer term capital projects.

What engineering services does RAPIDS offer?

Technical Engineering Services

- ▲ Operations & Maintenance Workshop to determine optimization priorities
- ▲ Development of an Energy Action Plan
- ▲ Energy Efficiency Measure (EEM) Analysis
- ▲ Failure Modes and Effects Analysis or Consequence of Failure Analysis
- ▲ Incentive and On-bill Financing Application Support
- ▲ Basis of Design and Preliminary Design Documentation
- ▲ Deployment of Cloud-based Real-time Submetering Equipment

What incentives are available through RAPIDS?

		Amount
Optional Enabling Incentives	▲ Deployment of permanent submetering equipment	\$10,000-\$25,000/site
	▲ Conceptual Design Assistance	\$12,500-\$30,000/site
Financial Incentive Rates	▲ Measures ≤ 5 year EULs and AR To-Code Cash incentives to offset up to 50% of the project cost.	\$0.04/kWh, \$50/kW, and \$1.00/therm
	▲ Measures > 5 year EULs and AR Above Code Cash incentives to offset up to 50% of the project cost.	\$0.12/kWh, \$150/kW, and \$1.00/therm