

## SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE FUTURE (SWIFt) TOOLKIT TRAINING

### Background

The U.S. Department of Energy (DOE) Sustainable Wastewater of the Future (SWIFt) Initiative works with water resource recovery facilities to accelerate a pathway toward sustainable infrastructure. During SWIFt Phase 1 (SWIFt 1.0), DOE worked with over 70 facilities to introduce the building blocks of energy management into their operations. SWIFt 1.0 partners reduced their total energy consumption by almost 7% in three years and put in place plans to achieve 30% facility-wide energy savings by 2021 using DOE-developed energy management decision-making tools and how-to resources. These resources have since been published as the [Wastewater Energy Management Toolkit \(SWIFt Toolkit\)](#).

SWIFt Phase 2 (SWIFt 2.0) will continue the momentum of Phase 1 by leveraging the tools, resources, and lessons of SWIFt 1.0 to benefit the broader wastewater sector. Facilities that were not able to join SWIFt 1.0 but are interested in achieving 5% short-term and 25% long-term facility-wide cumulative energy savings can participate in SWIFt Toolkit Training.

### SWIFt Toolkit Training

For facilities interested in prioritizing energy savings and introducing the building blocks of energy management into their operations, the SWIFt Toolkit Training is designed to provide a deep dive into the resources that support best practices and innovative approaches successfully used by wastewater facilities to establish and implement energy management and planning. Participating facilities will receive customized technical assistance in four critical areas: energy data management, energy efficiency improvements and advanced technology integration, project financing, and strategic energy management. These trainings are designed to help participants achieve 5% short-term, 25% long-term cumulative energy savings, draft a long term infrastructure improvement plan, and ideally integrate at least one advanced energy technology upgrade.

SWIFt Toolkit Training participants will also receive access to proven energy savings tools, no-cost energy assessments through DOE's Better Plants Program, opportunities to network with other facilities to share lessons learned and connect with potential public and private funding sources, and national recognition with energy savings success stories highlighted across DOE platforms.

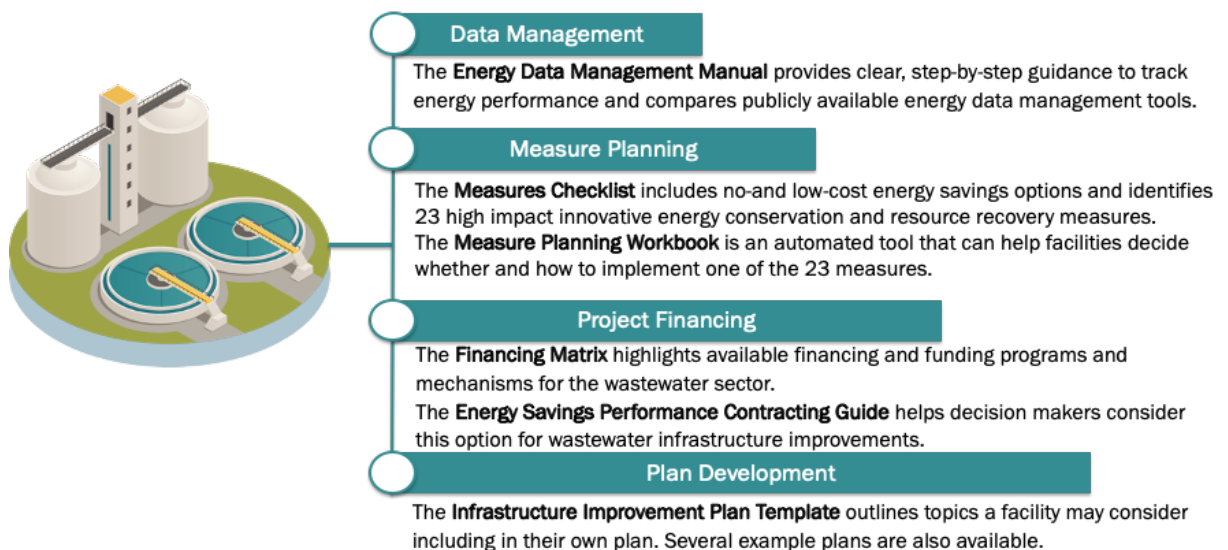


Figure 1. Participants will receive training on DOE-developed tools focused on the four key building blocks of energy management, including *energy data management, measure planning, project financing, and plan development*.

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**SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE FUTURE (SWIFt) TOOLKIT TRAINING****SWIFt Toolkit Training Participants receive:**

- **Customized training, tools, resources, and road-tested strategies** to help reduce facility wide energy intensity by 5% in three years and 25% over a 10-year period
- **Assistance establishing** an energy use and energy intensity baseline and developing an infrastructure improvement plan that includes best-practice energy performance tracking, a package of cutting-edge technologies, and a concrete financing model
- **Opportunities to network** with other facilities to share lessons learned and connect with potential public and private funding sources
- **Access** to DOE's Better Plants Program which provides priority access to DOE's Industrial Assessment Centers to help facilities identify no and low cost opportunities for energy savings
- **National recognition**, with energy savings success stories highlighted across DOE platforms

**The U.S. Department of Energy will:**

- **Appoint** a point of contact
- **Provide technical assistance** and training on energy data management, energy savings measures, project financing, and project implementation plan development
- **Develop** additional technical tools and/or assistance necessary to meet the goals of the SWIFt Initiative
- **Create and facilitate** networking and technical peer exchange opportunities with stakeholder organizations and other partners to develop best practices and share innovative solutions
- **Leverage** full set of tools and resources developed by stakeholder organizations and compile best practices and approaches for striving toward sustainable infrastructure
- **Provide national recognition** to SWIFt Initiative partners and participating facilities for achieving milestones and for their leadership in working toward a sustainable wastewater infrastructure

**Note:** Sharing energy-savings data with DOE is encouraged but optional. DOE keeps facility and utility data confidential. Data are only used in the aggregate to assess the efficacy of the initiative or highlight partner success stories.

**Name of Utility**

**Address**

**Point of Contact Name**

**Point of Contact Email**

Send your completed sign-up sheet to [shannon.zaret@ee.doe.gov](mailto:shannon.zaret@ee.doe.gov)