
SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE FUTURE ENERGY RECOVERY (SWIFter) ACCELERATOR**Background**

The **Better Buildings Sustainable Wastewater Infrastructure of the Future (SWIFt) Initiative** works with water resource recovery facilities to accelerate a pathway toward sustainable infrastructure. During Phase 1 of SWIFt, the U.S. Department of Energy (DOE) worked with over 70 facilities to introduce the building blocks of energy management into their operations. SWIFt Phase 1 partners reduced their total energy consumption by more than 8% 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 Phase 2 will continue this momentum by leveraging the tools, resources, and lessons of SWIFt Phase 1 to benefit the broader wastewater sector.

Sustainable Wastewater Infrastructure of the Future Energy Recovery (SWIFter) Accelerator

For facilities that are ready to adopt more advanced energy recovery technology, the SWIFter Accelerator is designed to provide customized technical assistance on energy data management, energy efficiency improvements, advanced technology integration (e.g., energy capture, energy efficiency, resource recovery, and advanced data management), and project financing. Participants will work with DOE's network of national laboratories and industry experts to create a training module tailored to their facilities' technology interests.

Partner facilities voluntarily commit to issuing a Request for Proposals to implement at least one next-generation infrastructure improvement project. In exchange, SWIFter partners receive national recognition with success stories highlighted across DOE platforms, technical and financial trainings led by experts in the field, dedicated one-on-one technical assistance, energy savings resources such as data analysis tools, and opportunities for peer-to-peer networking.

Goals of SWIFt Phase 2

- ▶ Demonstrate best-practice and/or cutting-edge approaches and tools toward a sustainable wastewater infrastructure and yield road-tested examples for other facilities
- ▶ Document model plans for transitioning to a sustainable infrastructure that will help drive more solutions in the industry
- ▶ Develop assessment and decision tools for selecting best-practice approaches and tools on the pathway toward a sustainable infrastructure
- ▶ Develop recommendations for post-Accelerator next steps

SWIFt Partners, in collaboration with DOE, will demonstrate practical and effective best practices to accelerate the path to a sustainable wastewater infrastructure.

**SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE
FUTURE ENERGY RECOVERY (SWIFter) ACCELERATOR****SWIFter Accelerator Partners agree to:**

- **Commit** to issuing a Request for Proposals (RFP) to initiate an infrastructure improvement that includes one next-generation advanced technology
- **Participate** in peer exchange and technical assistance forums about tools, approaches, technologies, and options
- **Establish** an energy use and energy intensity baseline
- **Report** energy intensity, energy use data, and achievements annually to DOE for three years
- **Develop** an infrastructure improvement plan that includes best-practice energy performance tracking, a package of cutting-edge technologies with a focus on advanced technologies, and a concrete financing model within 12-18 months following the conclusion of the Accelerator
- **Demonstrate** at least a 5% reduction in energy intensity in each facility by applying the SWIFt Toolkit's low- or no-cost energy conservation measures by the end of the three-year Accelerator period
- **Adopt** a facility-wide goal to reduce energy intensity by 25% over a 10-year period
- **Share** results and lessons learned with DOE and other Accelerator partners

The U.S. Department of Energy agrees to:

- **Appoint** a point of contact
- **Provide technical assistance** and training on energy data management, energy efficiency improvements, advanced technology integration, and project financing
- **Develop** additional technical tools and/or assistance necessary to meet the goals of the Accelerator
- **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 Accelerator partners and participating facilities for achieving milestones and for their leadership in working toward sustainable wastewater infrastructure
- **Draft** partner case studies and share results with the U.S. Environmental Protection Agency and industry associations

Agreement

My facility is committed to forging a path toward a sustainable infrastructure and agrees to the General Terms of the agreement.

Senior Executive Officer Signature

Date

Printed Name

Point of Contact Information

Organization

Address

Name

Title

Phone

E-Mail

General Terms

- All parties concur that this agreement is wholly voluntary and may be terminated by any party at any time, and for any reason, with no penalty.
- Partner will not construe, claim, or imply that its participation in the Better Buildings Initiative constitutes Federal Government approval, acceptance, or endorsement of anything other than Partner's commitment to the initiative.
- Partner understands its participation in the Better Buildings Initiative does not constitute Federal Government endorsement of Partner.
- Partner understands that the activities it undertakes in connection with the Better Buildings Initiative are voluntary and not intended to provide services to the Federal Government. Partner will not submit a claim for compensation to any federal agency.
- The Better Buildings Initiative will honor all requests to keep the Partner's information and data confidential.