

ORGANICS TO ENERGY

STATE PROGRAM: Massachusetts Department of Environmental Protection

ASSISTANCE RECIPIENT: Greater Lawrence Sanitary District

ASSISTANCE AMOUNT: \$24M



PROJECT DESCRIPTION

Massachusetts banned the landfilling of organic materials in 2014, which created an excellent opportunity for wastewater utilities with anaerobic digesters to accept this food waste and use it for energy production. The Greater Lawrence Sanitary District seized this opportunity, using a \$24 million CWSRF loan combined with \$6 million in grants from state agencies to make improvements to its digester and treatment works. The upgraded facility will be able to accept 92,000 GPD of source separated organics and use this material to generate 3 MW of electricity on-site, reducing its carbon footprint by 3,919 tons per year (the equivalent of taking 840 cars off the road) and furthering its goal of becoming a resilient zero-net-energy facility by 2018.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf.