



Smart
Sewer
Project
Area

Littleton Common Smart Sewer Project



Project Funding & Financing

- System paid for by sewer users via betterment assessments, connection fees, and user charges
- Over 90% of commercial properties in project area want to be part of the Smart Sewer System
- The Town of Littleton will guarantee initial borrowing
- Significant state funding is needed and being pursued; \$6M is already earmarked in state Environmental Bond Bill
- System costs will be offset by energy generation, and sale of reuse water produced by the CWERC

Project Costs

- Total project estimated at \$27 million
- Includes CWERC facility designed to treat ~150,000 gallons per day
- Incorporates existing municipal sewer system, and upgrade current discharge fields

Project Schedule

- Three prior Town Meeting votes to fund study and design
- **October 29:** Special Town Meeting/ \$2.2M article for full project design
- **May 2019:** Annual Town Meeting/ article to finance construction costs
- Construction expected 2020 and 2021



TOWN OF LITTLETON, MA
Department of Public Works
39 Ayer Road
Littleton, MA 01460
978-540-2670
littletonma.org

Have a question?

Email: smartsewer@littletonma.org

a smart start to revitalization

The Littleton Common Smart Sewer Project is a localized project intended to serve 180 or more properties in the Littleton Common and nearby surrounding areas. The project is focused on serving business, commercial and industrial properties, but will also serve residential and municipal parcels, including public housing. This infrastructure project is an essential prerequisite to the downtown revitalization envisioned in the town's master plan.

What is a Smart Sewer?

The project will include constructing a Community Water and Energy Resource Center (CWERC) which will treat wastes to produce a high-quality effluent for return to the environment. A system of small diameter, low pressure sewers will serve the project area, and deliver flows to the CWERC. Designed with grant funding from the Charles River Watershed Association, the CWERC is planned to include resource recovery facilities, including an anaerobic digester, and will produce energy and reuse quality water from the waste treated.



CWERC TAKES IN SEWAGE AND FOOD WASTE

TREATS AND RECYCLES IT...

INTO PRODUCTS TO SELL OR USE

RECYCLED WATER RESTORES THE ENVIRONMENT

Project Benefits for Littleton

- System will be entirely paid for by users
- Property owners can defer up to 10 years joining system
- Residents can either opt in or opt out, no mandate
- Allows new uses (such as restaurants) not presently possible for existing properties on septic systems
- Support for Littleton Common Master Plan economic revitalization focused on small businesses
- Addresses potential dangerous problem with nitrate levels in area soils
- Advanced treatment returns high-quality effluent to recharge and preserve aquifers
- Master Plan consultants estimate economic impact of Littleton Common Smart Sewer will be comparable to The Point in newly-generated tax revenue
- Limited sewer system focused on the Common area will discourage sprawl
- Local treatment of sewage and food wastes maximizes environmental technology to provide energy, reduce environmental impact, and generate revenue



Want more info?

Visit: <https://www.littletonma.org/departments-public-works/smart-sewer>

SAVES

Reduced trucking of waste up to 11,300 miles annually, with a fuel savings up to 3,800 gallons per year

REMOVES

Excess of 40,000 pounds of nitrogen removed from groundwater annually

RECOVERS

Recovery of approximately 4,000 tons per year of organics not landfilled/incinerated or otherwise disposed

RENEWS

Generation of up to 966,000 kilowatt hours per year of renewable energy

REUSES

Reuse of 57,000 gallons per day during peak demand