



MDC



**Providing Safe, Quality
Drinking Water &
Wastewater Services
to Greater Hartford**



NEPAUG DAM, 1937

Our History

Since 1929, the Metropolitan District Commission (MDC) has played a preeminent role in the Capitol Region, providing safe, pure drinking water and sewer services to towns in Greater Hartford.

As a nonprofit municipal corporation, MDC provides quality water supply, environmentally protective wastewater collection and treatment, household hazardous waste collection, and other services to eight member municipalities: Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, West Hartford, Wethersfield and Windsor. Additionally, the MDC provides drinking water to portions of Farmington, Glastonbury, East Granby and South Windsor.

Through the years, the MDC has evolved from a water and sewer service company to an environmental steward, providing recreational opportunities on its properties, conserving and maintaining thousands of acres of watershed land and forests, and implementing measures to help keep the Connecticut River and Long Island Sound clean, through the Clean Water Project.

BARKHAMSTED TO
NEPAUG PIPELINE, 1940



SAVILLE DAM, 1938



Clean Water Project

the choice is clear

The Clean Water Project is a \$2 billion sewer infrastructure upgrade, required by the U.S. EPA and CT DEEP, that implements essential wastewater system improvements to control sewage overflows to local waterways during rain events. Through a multi-pronged strategy that includes expansion of treatment plants, building a large wastewater and stormwater storage tunnel, separating old combined sanitary sewer and stormwater pipes, as well as lining old sewers and manholes, the MDC is strategically and diligently addressing these public health and safety issues.

Goals of the Clean Water Project

- ◆ Reduce combined sewer overflows to streams/rivers
- ◆ Eliminate combined sewer overflow outfalls to the Wethersfield Cove and North Branch Park River
- ◆ Reduce nitrogen discharged to CT River
- ◆ Address sanitary sewer overflows outside of Hartford



Environmental Stewardship

Heat Recovery Facility

As part of the wastewater treatment process at the MDC's Hartford Water Pollution Control Facility, the Heat Recovery Facility captures heat generated from the treatment process and uses it to produce electricity to power nearly 40% of the facility's own total needs. This green and sustainable process helps lower operating costs while benefiting the environment.

Hydroelectric Power

The MDC's Hydropower facilities do more than just produce electricity that the MDC can sell to generate revenue — it supports healthy fisheries, creates wildlife habitats, provides flood control, and makes a wide variety of recreational opportunities available for public use.



Solar Power at Poquonock Water Pollution Control Facility

Electricity expenses are a substantial portion of the cost to run the MDC's four water pollution control facilities. By using emissions-free solar power at the Poquonock plant in Windsor, the MDC saves approximately \$20,000 a year in electricity costs.

Open Space and Land Management

Over 31,000 acres of MDC watershed land safeguards its reservoirs through source protection and forest management programs.





Benefits to Our Towns

Learn & Earn Program

The Learn and Earn internship program introduces high school students from MDC towns to potential careers in the water and wastewater industry with curriculum that exposes them to multiple business aspects of the MDC.

Household Hazardous Waste Collection Program

Each spring and fall, the MDC conducts regional household hazardous waste collection programs at different sites in MDC towns.

Construction Project Paving Coordination with Town DPW/Engineering Departments

The MDC coordinates construction projects with our towns to plan in concert with local paving schedules if possible to minimize disruption.

Hydrant Flushing Program

Having a regular hydrant flushing schedule helps maintain water quality and ensures hydrants are in good working condition for fire protection in our service area.

Drinking Water at Local Events

The MDC Water Wagon supplies potable drinking water to dozens of community events in our towns each year.

Supplier Diversity

MDC regularly conducts contractor development programs to assist locally based firms with construction related services:

- 💧 Network with general contractors, major trade subcontractors, material suppliers and MDC staff
- 💧 Understand the forecast of upcoming capital projects and the associated contracting opportunities
- 💧 Receive professional development and technical assistance
- 💧 Gain access to small business support organizations and their services
- 💧 Advance skills in critical construction business areas





Services

Drinking Water

- 💧 Approximately 50 million gallons of pure, safe drinking water delivered to nearly 400,000 people daily
- 💧 The 40 billion gallon capacity Barkhamsted and Nepaug Reservoirs supply MDC drinking water
- 💧 Conducts over 100,000 tests on drinking water annually
- 💧 Maintain 1500 miles of pipe in the distribution system

Wastewater

- 💧 Over 20 billion gallons of wastewater treated annually
- 💧 Over 1200 miles of sewer pipe maintained by MDC
- 💧 4 state-of-the-art treatment facilities

Recreation

West Hartford Reservoirs & Reservoir #6

- 💧 3,000 acres of forestland
- 💧 30 miles of paved and gravel roads for joggers and bicyclists
- 💧 Hiking trails, wheel-chair accessible picnic groves, cross-country skiing and snow shoeing

Lake McDonough

- 💧 Less than 30 miles from Hartford in Barkhamsted
- 💧 Offers swimming and boating
- 💧 Wheelchair accessible beaches, bathhouses, picnic areas and boathouse

Farmington River (West Branch)

- 💧 6,000 acres of watershed forest along the river
- 💧 Boating, fishing, hunting, hiking, bird watching
- 💧 Wheelchair accessible fishing pier
- 💧 Trout Management Area — blue ribbon fishery

PROTECTION AT THE SOURCE, QUALITY AT THE TAP



METROPOLITAN DISTRICT

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