



Public Hearing Fact Sheet

What is the Long Term Control Plan (LTCP)?

The LTCP is the document that outlines the MDC’s plan for controlling combined sewer overflows (CSOs). It is part of the MDC’s Clean Water Project (CWP) and is required to be updated every 5 years by a Consent Order from the Connecticut Department Energy and Environmental Protection (CT DEEP). MDC previously submitted a plan in 2005 that was approved in 2007.

What is the purpose of this public hearing?

- Provide the public with an update to the District’s plan
- Discuss the changes since the 2005 LTCP
- Receive public input prior to finalizing the plan and securing final approval from CT DEEP

What is a combined sewer overflow (CSO)?

Most of the MDC’s sewer system in Hartford is a combined system —one pipe conveys sewage and stormwater. When it rains the pipes cannot convey all the water causing the sewers to overflow to drains and waterbodies (~1 billion gallons per year). This has negative effects to the water quality in the CT River and Long Island Sound.

What are the primary goals of the LTCP?

- Eliminate CSOs to Wethersfield Cove
- Eliminate CSOs to North Branch Park River
- Reduce CSOs to Hartford’s other waterbodies

How will we achieve the goals of the LTCP?

- There are five major components to the proposed LTCP:
1. Expand Hartford Water Pollution Control Facility’s (HWPCF) wet weather capacity
  2. Separate a portion of the combined sewer area
  3. Construct below ground storage tunnels for CSOs
  4. Build new sewers to convey CSOs to storage tunnels
  5. Remove groundwater infiltration and other non-sewer sources from the surrounding towns that flow to Hartford

What are the major changes from the 2005 Plan?

- Increased the HWPCF wet weather capacity
- Increased underground storage capacity (tunnels)
- Decreased the planned sewer separation

Why make the changes?

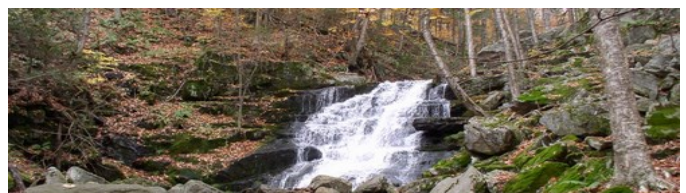
- Increase in sewer cleaning/inspection has reduced localized sewer flooding
- Cost of sewer separation in Hartford is higher than anticipated
- Sewer separation is highly disruptive to residents and businesses—significant road closures, detours, private property work/inspections, etc.

What are the benefits of the new plan?

- Improved water quality of CT River, streams, etc.
- Shorter schedule for benefits to be realized
- Less disruptive and less social impact
- Higher confidence in technical feasibility and that the plan will remain effective
- Less expensive than continuing with the 2005 plan

What progress has been made to-date?

1. Began constructing state of the art upgrades at HWPCF
2. Completed (or will complete in 2015) 600 acres of sewer separation that includes removing Gully Brook and Tower Brook from the combined sewer system
3. Advanced South Tunnel to 60% design
4. Built 1 mile of new interceptors (large diameter sewers)
5. Lined over 1.3 million feet of sewers in towns that flow into Hartford to remove groundwater infiltration





# 2012 Long Term Control Plan Update (Rev. 2014)



## Public Hearing Fact Sheet

### How is green infrastructure included?

- Hartford “Green Capitols”  
*Green roofs, porous concrete sidewalks, permeable concrete pavers, cistern, rain gardens*
- North Beacon Street  
*Two types of pervious concrete pavers*
- Victoria Road Greening Project  
*Rain garden*
- Tree Replacement  
*Planted 626 trees to replace 216 trees and complied with Hartford’s tree ordinance*
- Tunnel Drop Shafts  
*Permeable pavers, grass swales, stormwater detention*

### How will the MDC pay for the LTCP projects?

The projects are paid using the Special Sewer Service Charge (SSSC). Two funding authorizations have been overwhelmingly approved by MDC member town voters in 2006 and 2012. Additional funding will need to be authorized as the program continues through 2026. MDC benefits from grants and low interest loans from CT DEEP.

### What is the schedule?

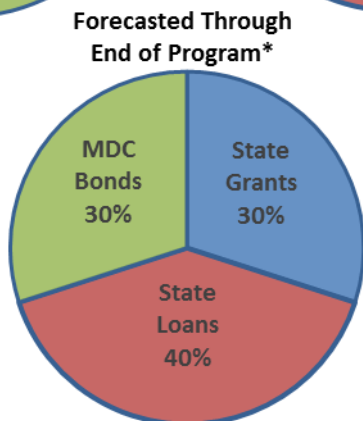
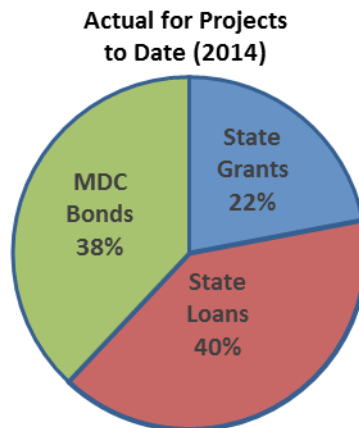
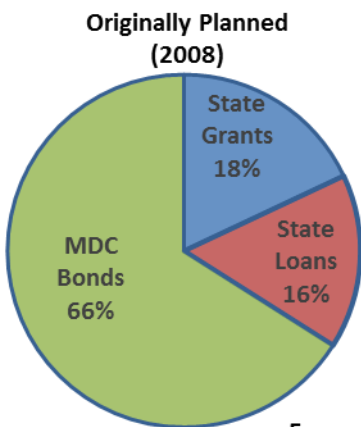
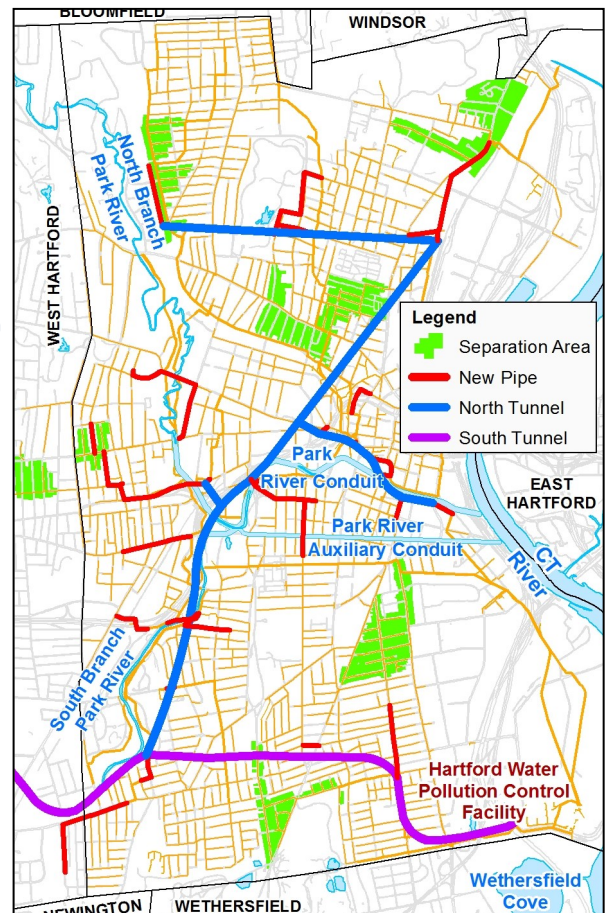
- 2015: Complete active sewer separation projects
- 2018: Complete improvements at HWPCF
- 2019: Eliminate 2 of 4 CSOs to the North Branch Park River with a new interceptor
- 2022: South Tunnel online (Eliminate CSOs to Wethersfield Cove)
- 2026: North Tunnel online (eliminate remaining CSOs to North Branch Park River)

### CSO Reduction in a Typical Year

Year	CSO Volume (MG)	Reduction in CSO (MG)	% Reduction
2009	974	-	-
2018	652	322	33%
2026	0	974	100%

MG = million gallons

### Recommended Plan



\*Subject to availability of CT DEEP Clean Water Funds