

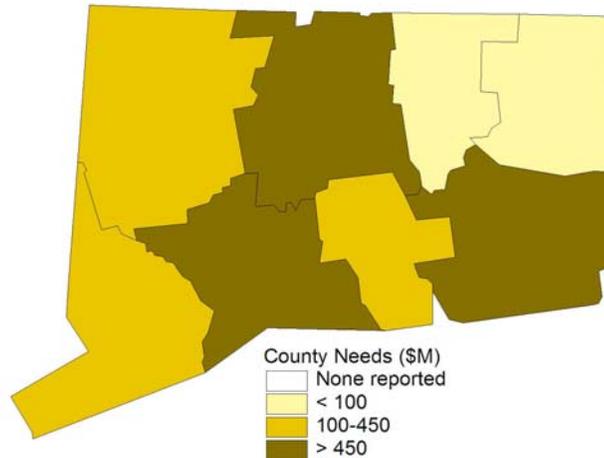


# Connecticut

## Clean Watersheds Needs Survey 2008

### The Clean Watersheds Needs

**Survey** (CWNS) is a comprehensive assessment of needs<sup>1</sup> to meet the water quality and water-related public health goals of the Clean Water Act (CWA). States and the U.S. Environmental Protection Agency (EPA) conduct the CWNS every four years under CWA Section 516 (b). Connecticut documented needs totaling \$4.3 billion in 2008. This is the same amount documented in 2004.



### Documented Needs in Connecticut

Type of Need	Needs (2008 Dollars, Millions)		
	2004	2008	Percent Change
Wastewater treatment	\$1,434	\$1,125	-22%
Pipe repair and new pipes	\$651	\$919	41%
Recycled water distribution	nr <sup>a</sup>	nr	0%
Combined sewer overflow correction	\$995	\$1,528	54%
<b>Total Wastewater Treatment Needs</b>	<b>\$3,080</b>	<b>\$3,572</b>	<b>16%</b>
Conveyance infrastructure	n/a	nr	n/a
Treatment systems	n/a	nr	n/a
Green infrastructure	n/a	nr	n/a
General stormwater management	\$580	nr	-100%
<b>Total Stormwater Management Needs<sup>b</sup></b>	<b>\$580</b>	<b>nr</b>	<b>-100%</b>
Agriculture (cropland) best management practices (BMPs)	\$8	nr	-100%
Agriculture (animals) BMPs	\$7	nr	-100%
Silviculture (forestry) BMPs	nr	nr	0%
Ground water protection: unknown source BMPs	nr	\$85	n/a
Marinas BMPs	nr	<\$0.5	n/a
Resource extraction BMPs	nr	nr	0%
Brownfields remediation	\$7	\$356	>1,000%
Storage tank remediation	nr	nr	0%
Sanitary landfills BMPs	nr	nr	0%
Hydromodification (Water resource restoration and protection)	\$356	\$2	-99%
Other estuary management activities <sup>c</sup>	n/a	nr	n/a
<b>Total Nonpoint Source Control Needs<sup>b,d</sup></b>	<b>\$378</b>	<b>\$443</b>	<b>17%</b>
<b>Total Decentralized Wastewater Treatment Needs<sup>b,d</sup></b>	<b>\$270</b>	<b>\$288</b>	<b>7%</b>
<b>Total Needs</b>	<b>\$4,308</b>	<b>\$4,303</b>	<b>0%</b>

<sup>a</sup>Not reported; <sup>b</sup>Actual needs may be higher, since documenting these needs is difficult; <sup>c</sup>In 2004, Other Estuary Management Needs were reported under Separate State Estimates (SSEs); <sup>d</sup>Not included in Official Needs in the Report to Congress.

<sup>1</sup> Documented needs in the CWNS include the unfunded capital costs of projects as of January 1, 2008 that address a water quality or a water quality-related public health problem existing as of January 1, 2008, or expected to occur within the next 20 years; and meet the seven CWNS documentation criteria. All needs are in January 2008 dollars.



# Connecticut Clean Watersheds Needs Survey 2008

## Wastewater Treatment Facilities

The enactment of the Clean Water Act (CWA) in 1972 resulted in dramatic improvements in the:

- Number of wastewater treatment plants.
- Percentage of the population served by wastewater treatment plants.
- Quality of effluent treatment from wastewater treatment facilities.

In 2008, 59% of Connecticut residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 48% in 1972.

Number of Centralized Treatment Facilities and Population Served									
Treatment Level	Number of Facilities			Population Served					
	1972	2008	Projected <sup>a</sup>	1972	%Total Population 1972	2008	%Total Population 2008	Projected <sup>a</sup>	
Less than Secondary	11	0	0	389,000	13	0	0	0	
Secondary	62	32	8	1,400,000	45	611,279	18	101,645	
Advanced	21	53	80	73,000	2	1,454,238	42	2,376,563	
No Discharge	0	6	5	0	0	3,515	<1	3,595	
<b>Total</b>	<b>94</b>	<b>91</b>	<b>93</b>	<b>1,862,000</b>	<b>60</b>	<b>2,069,032</b>	<b>59</b>	<b>2,481,803</b>	

<sup>a</sup>Number of facilities and population served if all needs documented in the CWNS 2008 are met.

## Small Communities

In Connecticut, small community wastewater facilities serve 13% of the population and comprise 11% of total wastewater treatment and collection needs. EPA small community support information is available at:

[www.epa.gov/owm/mab/smcomm](http://www.epa.gov/owm/mab/smcomm)

Reported Needs for Facilities in Small Communities				
Population	Facilities		Needs (2008 Dollars, Millions)	
	2004	2008	2004	2008
0-999	6	8	\$31	\$26
1,000-3,499	9	26	\$58	\$133
3,500-10,000	21	35	\$212	\$215
<b>Total</b>	<b>36</b>	<b>69</b>	<b>\$299</b>	<b>\$374</b>

Visit [www.epa.gov/cwns](http://www.epa.gov/cwns) for more information including:

- Detailed Reports to Congress
- Other state fact sheets
- Maps, charts, and data downloads for projects, facilities, watersheds, counties, congressional districts, cities, states, and regions