

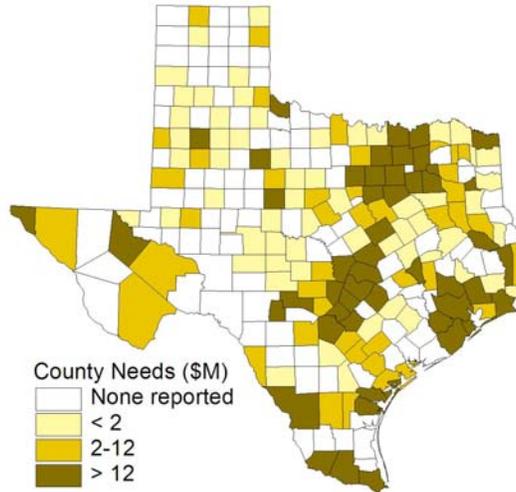


Texas

Clean Watersheds Needs Survey 2008

The Clean Watersheds Needs

Survey (CWNS) is a comprehensive assessment of needs¹ 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). Texas documented needs totaling \$11.7 billion in 2008. This is an 11 percent increase from the \$10.6 billion in needs documented in 2004.



Documented Needs in Texas

Type of Need	Needs (2008 Dollars, Millions)		
	2004	2008	Percent Change
Wastewater treatment	\$2,567	\$3,858	50%
Pipe repair and new pipes	\$4,114	\$4,231	3%
Recycled water distribution	\$14	\$305	>1,000%
Combined sewer overflow correction	\$0	\$0	0%
Total Wastewater Treatment Needs	\$6,695	\$8,394	25%
Conveyance infrastructure	n/a	\$2,774	n/a
Treatment systems	n/a	\$266	n/a
Green infrastructure	n/a	\$61	n/a
General stormwater management	\$3,365	\$44	-99%
Total Stormwater Management Needs^b	\$3,365	\$3,145	-7%
Agriculture (cropland) best management practices (BMPs)	\$5	\$1	-80%
Agriculture (animals) BMPs	nr ^a	nr	0%
Silviculture (forestry) BMPs	nr	nr	0%
Ground water protection: unknown source BMPs	nr	\$4	n/a
Marinas BMPs	nr	nr	0%
Resource extraction BMPs	nr	\$84	n/a
Brownfields remediation	nr	nr	0%
Storage tank remediation	nr	\$1	n/a
Sanitary landfills BMPs	nr	\$28	n/a
Hydromodification (Water resource restoration and protection)	\$111	\$31	-72%
Other estuary management activities ^c	n/a	\$42	n/a
Total Nonpoint Source Control Needs^{b,d}	\$116	\$191	65%
Total Decentralized Wastewater Treatment Needs^{b,d}	\$392	nr	-100%
Total Needs	\$10,568	\$11,730	11%

^aNot reported; ^bActual needs may be higher, since documenting these needs is difficult; ^cIn 2004, Other Estuary Management Needs were reported under Separate State Estimates (SSEs); ^dNot included in Official Needs in the Report to Congress.

¹ 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.



Texas

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, 80% of Texas residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 68% in 1972.

Number of Centralized Treatment Facilities and Population Served									
Treatment Level	Number of Facilities			Population Served					
	1972	2008	Projected ^a	%Total Population			%Total Population		
				1972	1972	2008	2008	2008	Projected ^a
Less than Secondary	31	0	0	237,000	2	0	0	0	0
Secondary	100	461	472	709,000	6	2,182,005	9	3,093,643	
Advanced	403	672	733	7,592,000	62	16,230,356	67	22,982,852	
No Discharge	0	184	189	0	0	823,811	3	1,244,632	
Total	534	1317	1394	8,538,000	70	19,236,172	80	27,321,127	

^aNumber of facilities and population served if all needs documented in the CWNS 2008 are met.

Small Communities

In Texas, small community wastewater facilities serve 12% of the population and comprise 10% of total wastewater treatment and collection needs. EPA small community support information is available at:

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	135	57	\$110	\$39
1,000-3,499	186	136	\$345	\$506
3,500-10,000	108	67	\$462	\$314
Total	429	260	\$915	\$858

Visit 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