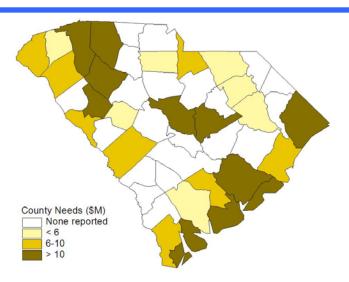# South Carolina
Clean Watersheds Needs Survey 2008

The Clean Watersheds Needs Survey (CWNS) is a comprehensive assessment of needs[1] 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). South Carolina documented needs totaling $566 million in 2008. This is a 34 percent decrease from the $861 million in needs documented in 2004.

County Needs ($M)
- None reported
- < 6
- 6-10
- > 10

Documented Needs in South Carolina			
	Needs (2008 Dollars, Millions)		
Type of Need	**2004**	**2008**	**Percent Change**
Wastewater treatment	$673	$401	-40%
Pipe repair and new pipes	$155	$136	-12%
Recycled water distribution	nr [a]	nr	0%
Combined sewer overflow correction	$0	$0	0%
Total Wastewater Treatment Needs	**$828**	**$537**	**-35%**
Conveyance infrastructure	n/a	$18	n/a
Treatment systems	n/a	nr	n/a
Green infrastructure	n/a	nr	n/a
General stormwater management	$31	$12	-61%
Total Stormwater Management Needs[b]	**$31**	**$29**	**-6%**
Agriculture (cropland) best management practices (BMPs)	nr	nr	0%
Agriculture (animals) BMPs	nr	nr	0%
Silviculture (forestry) BMPs	nr	nr	0%
Ground water protection: unknown source BMPs	nr	nr	0%
Marinas BMPs	nr	nr	0%
Resource extraction BMPs	nr	nr	0%
Brownfields remediation	nr	nr	0%
Storage tank remediation	nr	nr	0%
Sanitary landfills BMPs	nr	nr	0%
Hydromodification (Water resource restoration and protection)	$2	nr	-100%
Other estuary management activities[c]	n/a	nr	n/a
Total Nonpoint Source Control Needs[b,d]	**$2**	**nr**	**-100%**
Total Decentralized Wastewater Treatment Needs[b,d]	**nr**	**nr**	**0%**
Total Needs	**$861**	**$566**	**-34%**

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

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[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.

South Carolina
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, 64% of South Carolina residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 32% in 1972.

	Number of Centralized Treatment Facilities and Population Served							
	Number of Facilities			**Population Served**				
Treatment Level	**1972**	**2008**	**Projected**[a]	**1972**	**%Total Population 1972**	**2008**	**%Total Population 2008**	**Projected**[a]
Less than Secondary	97	0	0	259,000	9	0	0	0
Secondary	82	77	71	534,000	19	1,553,799	35	1,782,956
Advanced	45	65	70	373,000	13	1,173,434	26	2,008,293
No Discharge	0	12	12	0	0	96,537	2	149,031
Total	**224**	**154**	**153**	**1,166,000**	**41**	**2,823,770**	**64**	**3,940,280**

[a] Number of facilities and population served if all needs documented in the CWNS 2008 are met.

Small Communities

In South Carolina, small community wastewater facilities serve 7% of the population and comprise 14% 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				
Facilities			**Needs (2008 Dollars, Millions)**	
Population	**2004**	**2008**	**2004**	**2008**
0-999	14	13	$14	$15
1,000-3,499	8	4	$34	$25
3,500-10,000	9	10	$34	$37
Total	**31**	**27**	**$84**	**$76**

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