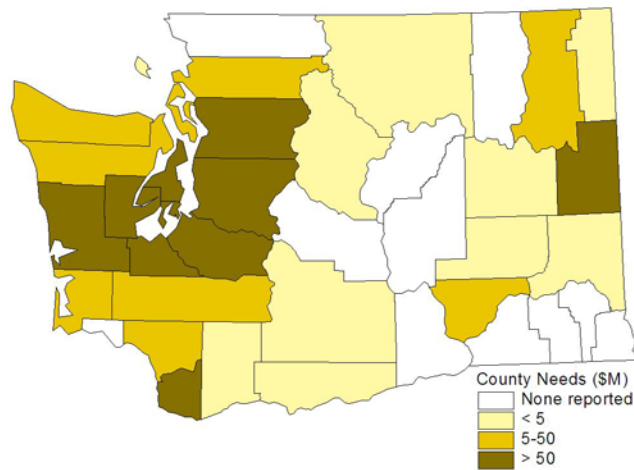




Washington Clean Watersheds Needs Survey 2008

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). Washington documented needs totaling \$5.3 billion in 2008. This is a 12 percent increase from the \$4.7 billion in needs documented in 2004.



Documented Needs in Washington

Type of Need	Needs (2008 Dollars, Millions)		
	2004	2008	Percent Change
Wastewater treatment	\$2,273	\$2,361	4%
Pipe repair and new pipes	\$1,560	\$1,848	18%
Recycled water distribution	\$14	\$140	900%
Combined sewer overflow correction	\$610	\$584	-4%
Total Wastewater Treatment Needs	\$4,457	\$4,933	11%
Conveyance infrastructure	n/a	\$225	n/a
Treatment systems	n/a	\$47	n/a
Green infrastructure	n/a	\$35	n/a
General stormwater management	\$224	\$23	-90%
Total Stormwater Management Needs^b	\$224	\$329	47%
Agriculture (cropland) best management practices (BMPs)	\$2	nr	-100%
Agriculture (animals) BMPs	\$7	nr	-100%
Silviculture (forestry) BMPs	nr	nr	0%
Ground water protection: unknown source BMPs	<\$0.5	nr	-100%
Marinas BMPs	nr	nr	0%
Resource extraction BMPs	nr	nr	0%
Brownfields remediation	nr	nr	0%
Storage tank remediation	\$17	nr	-100%
Sanitary landfills BMPs	nr	nr	0%
Hydromodification (Water resource restoration and protection)	\$7	nr	-100%
Other estuary management activities ^c	n/a	nr	n/a
Total Nonpoint Source Control Needs^{b,d}	\$33	nr	-100%
Total Decentralized Wastewater Treatment Needs^{b,d}	\$2	nr^a	-100%
Total Needs	\$4,716	\$5,262	12%

^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.



Washington 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, 66% of Washington residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 13% in 1972.

Number of Centralized Treatment Facilities and Population Served									
Treatment Level	Number of Facilities			Population Served					
	1972	2008	Projected ^a	1972	%Total Population 1972	2008	%Total Population 2008	Projected ^a	
Less than Secondary	80	0	0	1,285,000	36	0	0	0	
Secondary	23	76	78	161,000	5	3,978,425	61	5,343,594	
Advanced	4	3	4	296,000	8	291,741	5	287,225	
No Discharge	0	9	12	0	0	11,847	<1	132,671	
Total	107	88	94	1,742,000	49	4,282,013	66	5,763,490	

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

Small Communities

In Washington, small community wastewater facilities serve 3% of the population and comprise 4% 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	16	10	\$30	\$29
1,000-3,499	27	10	\$107	\$81
3,500-10,000	12	10	\$123	\$63
Total	55	30	\$261	\$173

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