



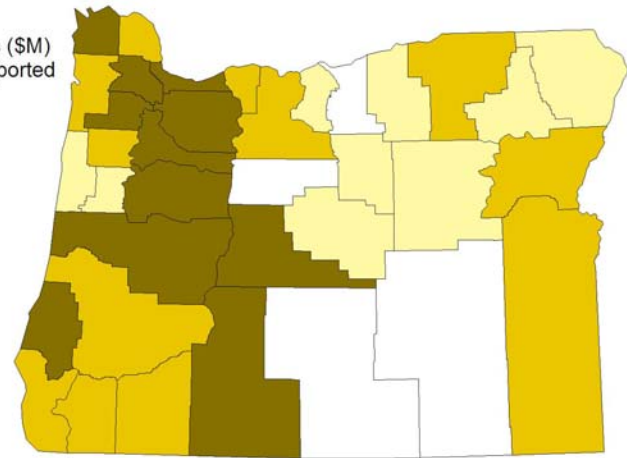
Oregon

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). Oregon documented needs totaling \$4.9 billion in 2008. This is a 40 percent increase from the \$3.5 billion in needs documented in 2004.

County Needs (\$M)
 None reported
 < 5
 5-50
 > 50



Documented Needs in Oregon

Type of Need	Needs (2008 Dollars, Millions)		
	2004	2008	Percent Change
Wastewater treatment	\$1,727	\$1,977	14%
Pipe repair and new pipes	\$702	\$1,048	49%
Recycled water distribution	\$6	\$5	-17%
Combined sewer overflow correction	\$989	\$427	-57%
Total Wastewater Treatment Needs	\$3,424	\$3,457	1%
Conveyance infrastructure	n/a	\$263	n/a
Treatment systems	n/a	\$45	n/a
Green infrastructure	n/a	\$10	n/a
General stormwater management	\$73	\$4	-94%
Total Stormwater Management Needs^b	\$73	\$321	342%
Agriculture (cropland) best management practices (BMPs)	nr ^a	\$16	n/a
Agriculture (animals) BMPs	nr	<\$0.5	n/a
Silviculture (forestry) BMPs	nr	nr	0%
Ground water protection: unknown source BMPs	nr	\$5	n/a
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)	nr	\$1,080	n/a
Other estuary management activities ^c	n/a	<\$0.5	n/a
Total Nonpoint Source Control Needs^{b,d}	nr	\$1,102	n/a
Total Decentralized Wastewater Treatment Needs^{b,d}	\$1	nr	-100%
Total Needs	\$3,497	\$4,880	40%

^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.



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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, 94% of Oregon residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 53% 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		Projected ^a	
				1972	2008	2008	2008		
Less than Secondary	1	1	0	2,000	<1	47,630	1		0
Secondary	20	132	128	721,000	32	2,103,148	56		2,417,912
Advanced	35	33	36	487,000	21	1,279,516	34		1,714,003
No Discharge	0	49	51	0	0	140,854	4		227,134
Total	56	215	215	1,210,000	53	3,571,148	95		4,359,049

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

Small Communities

In Oregon, small community wastewater facilities serve 8% of the population and comprise 3% 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	15	10	\$52	\$13
1,000-3,499	25	13	\$111	\$67
3,500-10,000	9	7	\$58	\$33
Total	49	30	\$223	\$112

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