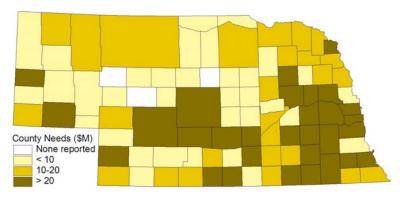# Nebraska
Clean Watersheds Needs Survey 2008

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). Nebraska documented needs totaling $4.6 billion in 2008. This is a 79 percent increase from the $2.6 billion in needs documented in 2004.

County Needs ($M)
None reported
< 10
10-20
> 20

Documented Needs in Nebraska			
	Needs (2008 Dollars, Millions)		
Type of Need	**2004**	**2008**	**Percent Change**
Wastewater treatment	$278	$1,068	284%
Pipe repair and new pipes	$171	$765	347%
Recycled water distribution	nr [a]	nr	0%
Combined sewer overflow correction	$1,100	$1,318	20%
Total Wastewater Treatment Needs	**$1,549**	**$3,151**	**103%**
Conveyance infrastructure	n/a	$32	n/a
Treatment systems	n/a	$4	n/a
Green infrastructure	n/a	$15	n/a
General stormwater management	$44	$21	-52%
Total Stormwater Management Needs[b]	**$44**	**$71**	**61%**
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	$648	$1,340	107%
Marinas BMPs	nr	nr	0%
Resource extraction BMPs	nr	nr	0%
Brownfields remediation	nr	nr	0%
Storage tank remediation	$266	nr	-100%
Sanitary landfills BMPs	$15	$13	-13%
Hydromodification (Water resource restoration and protection)	nr	nr	0%
Other estuary management activities[c]	n/a	nr	n/a
Total Nonpoint Source Control Needs[b,d]	**$929**	**$1,354**	**46%**
Total Decentralized Wastewater Treatment Needs[b,d]	**$28**	**nr**	**-100%**
Total Needs	**$2,550**	**$4,576**	**79%**

[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.

[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, 74% of Nebraska residents received centralized wastewater treatment services at the secondary, advanced, or no discharge treatment level, compared to 47% 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	42	0	0	319,000	21	0	0	0
Secondary	34	220	207	393,000	25	756,521	43	811,600
Advanced	33	40	55	334,000	22	475,099	27	769,065
No Discharge	0	207	216	0	0	88,063	5	102,144
Total	109	467	478	1,046,000	68	1,319,683	74	1,682,809

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

Small Communities

In Nebraska, small community wastewater facilities serve 24% of the population and comprise 5% 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	94	127	$49	$61
1,000-3,499	60	59	$87	$59
3,500-10,000	15	12	$66	$27
Total	169	198	$203	$148

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