

Appendix A

*Summary of  
Clean Watersheds Needs Survey 2000  
Cost Estimates*

Table A-1 summarizes by State the CWNS 2000 assessment of total needs for wastewater treatment and collection facilities, storm water management programs, and NPS pollution control projects. The needs represent the capital investment necessary to plan, design, build, replace, or rehabilitate publicly owned wastewater treatment and collection facilities (Categories I through V) and establish and implement storm water management programs (Category VI). The NPS pollution control Category (VII) includes costs for agriculture, silviculture, urban, ground water protection, marinas, resource extraction, brownfields, storage tanks, sanitary landfills, and hydromodification. These needs include all planning, design, and construction activities eligible for funding under the CWSRF in accordance with Title VI of the Clean Water Act. Needs estimates presented in Table A-1 might vary slightly from those presented in Tables ES-1, 3-1, and 3-4 and the text because of independent rounding.

**Table A-1.** CWNS 2000 Total Needs (January 2000 dollars in millions)

State	Category of Need										Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VI	VII	
Alabama	2,720	14	951	135	1,168	386	66	0	0	0	2,720
Alaska	560	306	7	7	65	163	7	5	0	0	560
Arizona	6,199	726	2,368	126	240	319	1,081	0	1,251	88	4,860
Arkansas	500	37	117	22	24	41	71	0	0	188	312
California	14,402	3,916	3,748	111	3,114	82	1,853	426	352	800	13,250
Colorado	1,340	183	812	5	179	16	37	9	48	51	1,241
Connecticut	2,349	399	923	85	16	170	161	500	0	95	2,254
Delaware	288	33	23	0	68	58	4	102	0	0	288
District of Columbia	1,478	305	37	14	64	0	0	1,019	37	2	1,439
Florida	9,966	299	2,853	129	562	1,191	1,012	0	680	3,240	6,046
Georgia	2,336	114	205	1,004	25	9	61	918	0	0	2,336
Hawaii	1,743	575	19	471	441	88	149	0	0	0	1,743
Idaho	207	119	29	3	18	18	20	0	0	0	207
Illinois	11,888	795	103	27	1,204	95	169	9,450	0	45	11,843
Indiana	7,222	626	171	65	419	291	176	5,468	0	6	7,216
Iowa	1,954	240	22	23	79	36	19	1,534	1	0	1,953
Kansas	1,419	373	100	213	2	65	270	396	0	0	1,419
Kentucky	2,797	654	101	193	280	756	592	217	3	1	2,793
Louisiana	2,370	410	146	1,167	216	240	189	0	0	2	2,368
Maine	1,102	176	7	3	31	88	16	653	0	128	974
Maryland	4,779	1,239	837	94	739	407	369	396	456	242	4,081
Massachusetts	4,675	874	249	59	92	662	406	2,324	0	9	4,666
Michigan	4,092	837	73	107	307	301	30	2,437	0	0	4,092
Minnesota	2,319	660	101	42	281	45	104	6	120	960	1,239
Mississippi	856	92	129	156	152	184	143	0	0	0	856
Missouri	4,998	725	22	720	297	301	193	1,180	0	1,560	3,438
Montana	516	170	70	14	55	100	60	0	0	47	469
Nebraska	1,194	149	56	7	11	11	75	861	24	0	1,170

continued

Table A-1. (continued)

State	Category of Need										Total (I-V)	
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VI	VII		
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	906	127	47	7	33	6	135	485	0	66	840	
New Jersey	12,827	2,818	368	339	610	1,007	411	4,385	89	2,800	9,938	
New Mexico	206	94	15	9	42	18	21	0	0	7	199	
New York	20,422	9,853	776	75	2,072	538	173	5,497	16	1,422	18,984	
North Carolina	5,927	423	1,737	291	205	1,725	1,535	3	1	7	5,919	
North Dakota	52	27	0 <sup>a</sup>	2	17	0	1	0	4	1	47	
Ohio	8,722	1,219	391	1,493	112	725	533	3,623	0	626	8,096	
Oklahoma	586	85	25	1	207	33	45	0	190	0	396	
Oregon	1,477	540	155	4	654	16	34	74	0	0	1,477	
Pennsylvania	8,060	845	204	121	119	963	197	5,431	17	163	7,880	
Rhode Island	1,415	109	113	12	52	345	119	633	0	32	1,383	
South Carolina	1,309	551	334	1	13	283	125	0	0	2	1,307	
South Dakota	142	16	29	0	44	13	6	2	14	18	110	
Tennessee	604	66	45	48	107	58	36	244	0	0	604	
Texas	9,152	2,009	813	235	1,323	616	1,890	0	2,225	41	6,886	
Utah	848	347	74	0 <sup>a</sup>	97	98	217	0	5	10	833	
Vermont	144	45	32	0 <sup>a</sup>	0 <sup>a</sup>	33	2	31	0	1	143	
Virginia	3,519	727	777	111	358	516	570	460	0	0	3,519	
Washington	2,744	1,000	52	226	136	198	521	608	0	3	2,741	
West Virginia	2,529	298	12	134	47	691	478	869	0	0	2,529	
Wisconsin	3,338	588	141	54	365	260	462	342	16	1,110	2,212	
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
<b>Total</b>	<b>181,198</b>	<b>36,833</b>	<b>20,419</b>	<b>8,165</b>	<b>16,762</b>	<b>14,265</b>	<b>14,844</b>	<b>50,588</b>	<b>5,549</b>	<b>13,773</b>	<b>161,876</b>	

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VI Storm water management programs
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	VII NPS pollution control (see Table A-2 for totals by subcategory)

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-2 summarizes the CWNS 2000 assessment of total documented needs for NPS pollution control projects by State. The total documented needs for the CWSRF-eligible projects represent the capital investment necessary to implement activities in approved State NPS Management Plans under section 319 and to develop and implement a Comprehensive Conservation and Management Plan under section 320 of the Clean Water Act. These needs have met the established documentation criteria and are eligible for funding under Title VI of the Clean Water Act. Needs estimates presented in Table A-2 might vary slightly from those presented in Tables ES-1, 3-1, and 3-4; and the text because of independent rounding.

**Table A-2.** CWNS 2000 Total Needs for NPS Pollution Control Projects (January 2000 dollars in millions)

State	Category VII Needs											Total
	A	B	C	D	E	F	G	H	I	J	K	
Alabama	0	0	0	0	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	23	3	0 <sup>a</sup>	61	0 <sup>a</sup>	0	0	0	0	0	1	88
Arkansas	54	112	0	13	0	0	6	0	0	0	3	188
California	36	44	0	26	290	0	4	0	0	0	400	800
Colorado	0	0	0	50	1	0	0	0	0	0	0	51
Connecticut	4	3	0	45	0	0	0	6	0	0	37	95
Delaware	0	0	0	0	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0	0	0	2	2
Florida	0	0	0	2,432	0	0	0	0	0	0	808	3,240
Georgia	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0	0	0
Illinois	31	0	0	0	0	0	0	0	0	0	14	45
Indiana	3	1	0	2	0 <sup>a</sup>	0	0	0	0	0	0	6
Iowa	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	1	0	0	0	0	0	1
Louisiana	0	0	0	2	0	0	0	0	0	0	0	2
Maine	0	22	43	7	0	0	0	0	51	0	5	128
Maryland	0	0 <sup>a</sup>	0	2	0	0	0	0	7	176	57	242
Massachusetts	0	0	0	0	0	0	0	0	0	5	4	9
Michigan	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	10	168	0	10	0 <sup>a</sup>	0	0	291	479	0	2	960
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	8	14	0 <sup>a</sup>	203	0	0	5	0	477	23	830	1,560
Montana	0	0	0	47	0	0	0	0	0	0	0	47
Nebraska	0	0	0	0	0	0	0	0	0	0	0	0

continued

Table A-2. (continued)

State	Category VII Needs											Total
	A	B	C	D	E	F	G	H	I	J	K	
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	0	0	0	0	0	0	0	0	0	66	0	66
New Jersey	1	4	0	148	430	0	0 <sup>a</sup>	10	0	893	1,314	2,800
New Mexico	0	0	0	0	2	0	0	5	0	0	0	7
New York	59	115	0	104	127	1	0	26	5	626	359	1,422
North Carolina	0	0	0	7	0	0	0	0	0	0	0	7
North Dakota	0	0	0	1	0 <sup>a</sup>	0	0	0	0	0	0	1
Ohio	170	26	1	352	4	0	22	0	0	0	51	626
Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania	8	8	0	147	0	0	0	0	0	0	0	163
Rhode Island	0	0	0	0	1	0	0	0	0	31	0	32
South Carolina	0	0	0	0	0	0	0	0	0	0	2	2
South Dakota	3	11	0	2	0 <sup>a</sup>	0	0	0	0	0	2	18
Tennessee	0	0	0	0	0	0	0	0	0	0	0	0
Texas	0	0	0	41	0 <sup>a</sup>	0	0	0	0	0	0	41
Utah	1	4	0	1	0	0	1	0	0	0	3	10
Vermont	0	0	0	1	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	3	0	0	0	0	0	0	0	3
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	69	118	0	709	11	0	0	18	0	11	174	1,110
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>480</b>	<b>653</b>	<b>44</b>	<b>4,416</b>	<b>866</b>	<b>2</b>	<b>38</b>	<b>356</b>	<b>1,019</b>	<b>1,831</b>	<b>4,068</b>	<b>13,773</b>

## Categories

A Agriculture (cropland)

B Agriculture (animals)

C Silviculture

D Urban

E Ground water protection (unknown source)

F Marinas

G Resource extraction

H Brownfields

I Storage tanks

J Sanitary landfills

K Hydromodification

## Notes:

1) NPS pollution control *modeled* needs are \$21.5 billion in January 2000 dollars (Appendix D).

2) NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-3 provides a summary of all publicly owned small community wastewater treatment and collection facilities identified in the CWNS 2000 by State, as well as any associated SSEs. For the purpose of this table, wastewater treatment and collection facilities refers to centralized wastewater treatment plants, centralized wastewater collection systems, decentralized systems, individual on-site system areas, and facilities that treat and convey wastewater that do not fit in one of the previous classifications. Tables A-4, A-5, and A-6 provide further breakdown of small community information based on different population ranges. Needs estimates presented in Table A-3 might vary slightly from those presented in Figure 3-7 and summed totals from Tables A-4, A-5, and A-6 due to independent rounding.

The first column of this table includes information on the projected number of small community wastewater treatment and collection system facilities and the small community percentage of the total number of wastewater treatment and collection system facilities for each State. The number of facilities includes those with documented needs or SSEs and those that did not report any needs. This percentage represents the small community facilities compared to the total wastewater and collection system facilities in the State. For example, 55 percent of Alabama's projected wastewater treatment and collection system facilities are for small communities. Column 2 depicts only the small community facilities with documented wastewater treatment and collection system needs and reflects a portion of all small community facilities with and without needs presented in Column 1. The remaining columns show the small community wastewater treatment and collection system documented needs and SSEs as of January 1, 2000, and the respective percentage of the total CWNS 2000 wastewater treatment and collection system documented needs and SSEs.

**Table A-3.** CWNS 2000 Comparison of Small Community Facilities' Needs and Total Needs (January 2000 dollars in millions)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	158	55	77	51	85	3	0	0
Alaska	219	91	136	91	295	53	29	97
Arizona	178	66	164	66	380	8	0	0
Arkansas	440	83	69	77	100	32	0	0
California	79	35	43	24	216	2	0	0
Colorado	313	70	177	74	223	18	0	0
Connecticut	113	51	30	27	190	8	19	29
Delaware	39	71	14	64	78	27	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	105	29	68	32	265	4	0	0
Georgia	247	60	21	39	36	2	13	2
Hawaii	18	53	6	29	35	2	0	0
Idaho	207	82	53	65	84	40	1	100
Illinois	738	69	130	45	536	5	3	100
Indiana	380	71	173	60	635	9	19	53
Iowa	882	89	171	76	196	10	0	0
Kansas	684	90	179	76	223	16	0 <sup>a</sup>	0
Kentucky	298	75	252	74	659	24	0 <sup>a</sup>	0

continued

Table A-3. (continued)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Louisiana	305	74	115	59	134	6	1	20
Maine	160	75	68	60	319	33	43	90
Maryland	280	77	219	74	445	11	27	6
Massachusetts	104	36	58	29	333	7	0	0
Michigan	545	71	34	39	184	4	10	36
Minnesota	751	87	239	85	297	24	226	84
Mississippi	643	87	228	82	300	35	58	73
Missouri	840	84	218	72	281	8	15	100
Montana	207	88	86	79	181	39	7	88
Nebraska	508	94	127	86	109	9	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	93	71	43	57	71	8	1	100
New Jersey	389	55	131	38	462	5	0	0
New Mexico	37	54	22	49	23	12	0	0
New York	708	71	314	62	1,112	6	7	70
North Carolina	407	52	221	58	961	16	19	28
North Dakota	353	96	59	88	23	48	0	0
Ohio	1,032	77	398	72	794	10	56	20
Oklahoma	433	86	52	68	47	12	0	0
Oregon	206	72	44	65	136	9	59	56
Pennsylvania	1,741	79	539	77	1,785	23	277	68
Rhode Island	6	15	2	7	3	0	0	0
South Carolina	102	44	9	11	20	2	0	0
South Dakota	43	78	24	69	25	24	0 <sup>a</sup>	0
Tennessee	222	64	18	46	35	6	0	0
Texas	1,407	65	582	68	752	11	12	71
Utah	300	80	68	54	122	15	7	41
Vermont	85	76	12	48	37	26	1	100
Virginia	284	69	159	66	648	18	0	0
Washington	226	65	63	56	200	7	0 <sup>a</sup>	0
West Virginia	620	91	255	84	1,345	53	663	99
Wisconsin	901	86	423	85	662	30	6	100
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>19,036</b>	<b>74</b>	<b>6,593</b>	<b>65</b>	<b>16,082</b>	<b>10</b>	<b>1,579</b>	<b>48</b>

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-4 provides the subset of Table A-3 data for the needs for small community facilities estimated to be serving populations in the range of 3,500 to 10,000 people if all documented needs are met.

**Table A-4.** CWNS 2000 Comparison of Small Community Facilities' Needs and Total Needs: Facilities Serving Populations of 3,500 to 10,000 People (January 2000 dollars in millions)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	24	8	12	8	19	1	0	0
Alaska	5	2	3	2	17	3	15	50
Arizona	26	10	23	9	115	2	0	0
Arkansas	55	10	7	8	9	3	0	0
California	19	8	17	9	105	1	0	0
Colorado	41	9	24	10	83	7	0	0
Connecticut	54	24	15	13	136	6	11	17
Delaware	13	24	5	23	31	11	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	46	13	29	14	142	2	0	0
Georgia	70	17	8	15	9	0	9	2
Hawaii	12	35	4	19	28	2	0	0
Idaho	18	7	6	7	15	7	0	0
Illinois	159	15	39	13	307	3	3	100
Indiana	48	9	30	10	179	2	2	6
Iowa	42	4	8	4	16	1	0	0
Kansas	42	6	22	9	123	9	0 <sup>a</sup>	0
Kentucky	57	14	51	15	233	8	0	0
Louisiana	40	10	18	9	44	2	1	20
Maine	39	18	20	18	121	12	35	73
Maryland	27	7	22	7	117	3	7	2
Massachusetts	54	19	35	18	190	4	0	0
Michigan	119	16	10	11	55	1	3	11
Minnesota	79	9	15	5	53	4	69	26
Mississippi	76	10	29	10	104	12	29	36
Missouri	77	8	29	10	70	2	3	20
Montana	16	7	13	12	81	17	0	0
Nebraska	21	4	12	8	28	2	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	36	27	23	31	54	6	0	0
New Jersey	208	29	75	22	266	3	0	0
New Mexico	9	13	6	13	13	7	0	0
New York	156	16	70	14	389	2	7	70
North Carolina	80	10	49	13	338	6	0 <sup>a</sup>	0
North Dakota	10	3	6	9	6	13	0	0
Ohio	109	8	52	9	226	3	18	7

continued



**Table A-4.** (continued)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Oklahoma	35	7	7	9	6	2	0	0
Oregon	40	14	10	15	50	3	9	9
Pennsylvania	397	18	121	17	552	7	83	20
Rhode Island	4	10	1	4	1	0	0	0
South Carolina	31	13	5	6	15	1	0	0
South Dakota	7	13	7	20	8	8	0	0
Tennessee	47	14	4	10	17	3	0	0
Texas	337	16	135	16	332	5	9	53
Utah	41	11	24	19	56	7	0	0
Vermont	19	17	6	24	26	18	0	0
Virginia	51	12	31	13	215	6	0	0
Washington	49	14	14	12	74	3	0	0
West Virginia	65	10	51	17	497	20	39	6
Wisconsin	85	8	39	8	119	5	0	0
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>3,095</b>	<b>12</b>	<b>1,242</b>	<b>12</b>	<b>5,690</b>	<b>4</b>	<b>352</b>	<b>11</b>

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

\* Estimate is less than \$0.5 million.

Table A-5 provides the subset of Table A-3 data for the needs for small community facilities estimated to be serving populations in the range of 1,000 to 3,500 people if all documented needs are met.

**Table A-5.** CWNS 2000 Comparison of Small Community Facilities' Needs and Total Needs: Facilities Serving Populations of 1,000 to 3,500 People (January 2000 dollars in millions)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	86	30	46	30	48	2	0	0
Alaska	14	6	8	5	20	4	0	0
Arizona	65	24	61	25	161	3	0	0
Arkansas	150	28	27	30	46	15	0	0
California	24	11	16	9	101	1	0	0
Colorado	102	23	55	23	62	5	0	0
Connecticut	42	19	8	7	41	2	3	5
Delaware	10	18	3	14	25	9	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	45	13	29	14	102	2	0	0
Georgia	112	27	12	22	23	1	2	0
Hawaii	5	15	2	10	6	0	0	0
Idaho	61	24	27	33	47	23	0	0
Illinois	319	30	59	20	184	2	0	0
Indiana	175	33	86	30	350	5	15	42
Iowa	188	19	79	35	120	6	0	0
Kansas	160	21	64	27	48	3	0	0
Kentucky	128	32	112	33	267	10	0 <sup>a</sup>	0
Louisiana	126	31	53	27	56	2	0	0
Maine	80	37	38	34	173	18	5	10
Maryland	54	15	39	13	122	3	11	3
Massachusetts	29	10	16	8	132	3	0	0
Michigan	273	36	19	22	118	3	6	21
Minnesota	198	23	39	14	113	9	109	41
Mississippi	141	19	63	23	97	11	15	19
Missouri	206	20	63	21	91	3	6	40
Montana	59	25	30	28	59	13	6	75
Nebraska	102	19	38	26	43	4	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	31	24	8	11	11	1	1	100
New Jersey	133	19	41	12	150	2	0	0
New Mexico	18	26	9	20	5	3	0	0
New York	299	30	134	26	455	2	0	0
North Carolina	169	22	102	27	425	7	14	21
North Dakota	59	16	23	34	9	19	0	0
Ohio	308	23	113	21	301	4	15	5

continued

**Table A-5.** (continued)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Oklahoma	132	26	16	21	19	5	0	0
Oregon	75	26	19	28	56	4	25	24
Pennsylvania	737	33	229	33	897	11	148	36
Rhode Island	1	3	1	4	2	0	0	0
South Carolina	50	22	4	5	4	0	0	0
South Dakota	13	24	8	23	11	11	0 <sup>a</sup>	0
Tennessee	98	28	11	28	17	3	0	0
Texas	599	28	242	28	273	4	3	18
Utah	61	16	29	23	47	6	5	29
Vermont	42	38	5	20	8	6	1	100
Virginia	125	30	67	28	263	7	0	0
Washington	83	24	29	26	108	4	0	0
West Virginia	186	27	104	34	544	22	153	23
Wisconsin	277	26	132	27	303	14	5	83
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>6,450</b>	<b>25</b>	<b>2,418</b>	<b>24</b>	<b>6,563</b>	<b>4</b>	<b>548</b>	<b>17</b>

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-6 provides the subset of Table A-3 data for the needs for small community facilities estimated to be serving populations of fewer than 1,000 people if all documented needs are met.

**Table A-6.** CWNS 2000 Comparison of Small Community Facilities' Needs and Total Needs: Facilities Serving Populations of Fewer Than 1,000 People (January 2000 dollars in millions)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	48	17	19	13	19	1	0	0
Alaska	200	83	125	83	257	46	14	47
Arizona	87	32	80	32	104	2	0	0
Arkansas	235	45	35	39	44	14	0	0
California	36	16	10	6	11	0	0	0
Colorado	170	38	98	41	77	6	0	0
Connecticut	17	8	7	6	13	1	4	6
Delaware	16	29	6	27	22	8	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	14	4	10	5	19	0	0	0
Georgia	65	16	1	2	4	0	0 <sup>a</sup>	0
Hawaii	1	3	0	0	0	0	0	0
Idaho	128	51	20	25	20	10	1	100
Illinois	260	24	32	11	46	0	0	0
Indiana	157	29	57	20	103	1	2	6
Iowa	652	66	84	37	57	3	0	0
Kansas	482	64	93	40	54	4	0 <sup>a</sup>	0
Kentucky	113	29	89	26	159	6	0	0
Louisiana	139	34	44	23	34	1	0	0
Maine	41	19	10	9	25	3	2	4
Maryland	199	55	158	54	205	5	10	2
Massachusetts	21	7	7	4	9	0	0	0
Michigan	153	20	5	6	12	0	0 <sup>a</sup>	0
Minnesota	474	55	185	66	131	11	50	19
Mississippi	426	58	136	49	101	12	16	20
Missouri	557	55	126	42	122	4	6	40
Montana	132	56	43	39	40	9	2	25
Nebraska	385	72	77	52	39	3	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	26	20	12	16	5	1	0	0
New Jersey	48	7	15	4	44	0	0	0
New Mexico	10	14	7	16	4	2	0	0
New York	253	26	110	22	266	1	0	0
North Carolina	158	20	70	18	197	3	4	6
North Dakota	284	78	30	45	8	17	0	0
Ohio	615	46	233	42	268	3	22	8

continued

**Table A-6.** (continued)

State	All Projected Small Community Facilities		Projected Small Community Facilities With Documented Needs		Documented Needs for Small Communities		Separate State Estimates for Small Communities	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Oklahoma	266	53	29	38	20	5	0	0
Oregon	91	32	15	22	28	2	23	22
Pennsylvania	607	27	189	27	337	4	45	11
Rhode Island	1	3	0	0	0	0	0	0
South Carolina	21	9	0	0	0	0	0	0
South Dakota	23	42	9	26	5	5	0	0
Tennessee	77	22	3	8	3	0	0	0
Texas	471	22	205	24	148	2	0	0
Utah	198	53	15	12	18	2	2	12
Vermont	24	21	1	4	3	2	0	0
Virginia	108	26	61	25	171	5	0	0
Washington	94	27	20	18	18	1	0 <sup>a</sup>	0
West Virginia	369	54	100	33	302	12	472	70
Wisconsin	539	51	252	51	238	11	0 <sup>a</sup>	0
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>9,491</b>	<b>37</b>	<b>2,933</b>	<b>29</b>	<b>3,810</b>	<b>2</b>	<b>675</b>	<b>21</b>

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-7 summarizes the CWNS 2000 assessment of total needs for small communities by State for wastewater treatment and collection facilities (Categories I through V) and NPS Pollution Control (Category VII). EPA derived the small community needs shown from the total needs using the criteria defined in Chapter 3 in the section “What are the needs for small communities?” Tables A-8, A-9, and A-10 provide further breakdown of small community information based on different population ranges.

These small community design year needs have met the established documentation criteria and represent the capital investment necessary to plan, design, build, replace, or rehabilitate publicly owned wastewater treatment facilities needed to serve the projected estimated design year population of small communities. These are the funds necessary to provide adequate wastewater treatment systems and NPS pollution control in compliance with the Clean Water Act for those small communities that could document their needs. Storm water management programs and most NPS pollution control needs were not included in this table since by definition small community facilities require population data. Facilities with storm water and NPS pollution control needs do not have population data; therefore, those facilities cannot be considered as serving small communities. The exception is NPS pollution control needs associated with individual on-site system disposal areas, where the needs could be included in VII-D (Urban) or VII-E (Ground water protection (unknown source)).

**Table A-7.** CWNS 2000 Total Small Community Needs (January 2000 dollars in millions)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Alabama	85	3	11	11	14	42	4	0	0	85
Alaska	295	132	7	1	20	130	5	0	0	295
Arizona	380	44	73	18	6	194	45	0	0	380
Arkansas	100	12	14	2	0 <sup>a</sup>	37	35	0	0	100
California	216	129	16	7	26	38	0 <sup>a</sup>	0	0	216
Colorado	223	121	49	2	10	13	27	0	1	222
Connecticut	190	61	19	6	0	66	38	0	0	190
Delaware	78	2	16	0	2	58	0	0	0	78
District of Columbia	0	0	0	0	0	0	0	0	0	0
Florida	265	24	83	12	16	114	16	0	0	265
Georgia	36	13	13	3	0 <sup>a</sup>	5	2	0	0	36
Hawaii	35	26	0	0	2	7	0	0	0	35
Idaho	84	39	4	3	6	15	17	0	0	84
Illinois	536	87	10	12	8	75	31	313	0	536
Indiana	635	91	29	20	30	100	37	328	0 <sup>a</sup>	635
Iowa	196	101	5	0 <sup>a</sup>	12	16	3	59	0	196
Kansas	223	64	21	23	1	21	93	0	0	223
Kentucky	659	150	15	25	35	332	101	1	0	659
Louisiana	134	24	34	13	10	26	27	0	0	134
Maine	319	67	7	1	11	54	16	163	0	319
Maryland	445	80	62	16	40	97	94	56	0	445
Massachusetts	333	50	53	5	23	174	28	0	0	333

continued

Table A-7. (continued)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Michigan	184	41	4	15	4	77	5	38	0	184
Minnesota	297	207	24	14	18	10	23	0	1	296
Mississippi	300	59	14	31	33	121	42	0	0	300
Missouri	281	73	2	3	18	143	42	0	0	281
Montana	181	81	5	9	26	45	15	0	0	181
Nebraska	109	79	9	1	6	9	5	0	0	109
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	71	13	10	5	3	4	36	0	0	71
New Jersey	462	73	43	51	90	141	59	5	0	462
New Mexico	23	7	0 <sup>a</sup>	0 <sup>a</sup>	7	6	3	0	0	23
New York	1,112	248	112	60	41	412	106	131	2	1,110
North Carolina	961	82	79	72	53	446	229	0	0	961
North Dakota	23	8	0 <sup>a</sup>	1	13	0	1	0	0 <sup>a</sup>	23
Ohio	794	139	44	32	7	231	96	244	1	793
Oklahoma	47	25	3	1	12	6	0 <sup>a</sup>	0	0	47
Oregon	136	72	23	1	25	12	3	0	0	136
Pennsylvania	1,785	312	58	43	15	839	111	407	0	1,785
Rhode Island	3	1	0 <sup>a</sup>	0	0	1	0	0	1	2
South Carolina	20	5	1	0 <sup>a</sup>	2	12	0	0	0	20
South Dakota	25	6	1	0	9	7	0	2	0	25
Tennessee	35	5	5	5	4	12	4	0	0	35
Texas	752	192	39	69	80	203	169	0	0 <sup>a</sup>	752
Utah	122	31	1	0 <sup>a</sup>	5	41	44	0	0	122
Vermont	37	16	10	0 <sup>a</sup>	0 <sup>a</sup>	10	1	0	0	37
Virginia	648	126	20	18	5	315	164	0	0	648
Washington	200	107	0 <sup>a</sup>	20	49	24	0	0	0	200
West Virginia	1,345	123	9	21	16	606	411	159	0	1,345
Wisconsin	662	276	48	13	33	244	48	0	0	662
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>16,082</b>	<b>3,727</b>	<b>1,105</b>	<b>665</b>	<b>846</b>	<b>5,591</b>	<b>2,236</b>	<b>1,906</b>	<b>6</b>	<b>16,076</b>

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-8 provides the subset of Table A-7 data for the needs for small community facilities estimated to be serving populations in the range of 3,500 to 10,000 people.

**Table A-8.** CWNS 2000 Total Small Community Needs: Facilities Serving Populations of 3,500 to 10,000 People  
(January 2000 dollars in millions)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Alabama	19	1	6	0 <sup>a</sup>	5	7	0	0	0	19
Alaska	17	4	0	0 <sup>a</sup>	11	2	0	0	0	17
Arizona	115	12	31	17	1	44	10	0	0	115
Arkansas	9	2	1	0 <sup>a</sup>	0 <sup>a</sup>	3	3	0	0	9
California	105	43	4	3	21	34	0 <sup>a</sup>	0	0	105
Colorado	83	33	33	0 <sup>a</sup>	6	0	11	0	0	83
Connecticut	136	46	16	4	0	45	25	0	0	136
Delaware	31	0	9	0	2	20	0	0	0	31
District of Columbia	0	0	0	0	0	0	0	0	0	0
Florida	142	19	40	5	12	59	7	0	0	142
Georgia	9	4	4	1	0	0 <sup>a</sup>	0	0	0	9
Hawaii	28	21	0	0	2	5	0	0	0	28
Idaho	15	7	3	1	1	0 <sup>a</sup>	3	0	0	15
Illinois	307	32	4	9	4	8	16	234	0	307
Indiana	179	28	2	4	2	30	10	103	0	179
Iowa	16	12	0 <sup>a</sup>	0	3	0	1	0	0	16
Kansas	123	27	10	15	0 <sup>a</sup>	2	69	0	0	123
Kentucky	233	43	2	14	19	125	29	1	0	233
Louisiana	44	9	9	1	2	8	15	0	0	44
Maine	121	12	0	0 <sup>a</sup>	2	5	6	96	0	121
Maryland	117	18	25	3	3	22	10	36	0	117
Massachusetts	190	17	40	5	15	93	20	0	0	190
Michigan	55	12	0	5	0	19	0	19	0	55
Minnesota	53	15	16	6	8	4	4	0	0	53
Mississippi	104	8	10	8	17	44	17	0	0	104
Missouri	70	23	1	2	8	23	13	0	0	70
Montana	81	30	2	1	11	24	13	0	0	81
Nebraska	28	18	6	0	0	0	4	0	0	28
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	54	4	10	5	2	1	32	0	0	54
New Jersey	266	43	28	31	44	74	46	0	0	266
New Mexico	13	4	0 <sup>a</sup>	0	4	2	3	0	0	13
New York	389	59	28	15	14	156	32	85	0	389

continued



**Table A-8.** (continued)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
North Carolina	338	12	34	29	32	147	84	0	0	338
North Dakota	6	2	0	0	4	0	0	0	0	6
Ohio	226	37	15	21	4	44	19	86	0 <sup>a</sup>	226
Oklahoma	6	4	0	0	1	1	0	0	0	6
Oregon	50	30	4	0 <sup>a</sup>	16	0	0	0	0	50
Pennsylvania	552	74	23	15	9	178	30	223	0	552
Rhode Island	1	0	0	0	0	0	0	0	1	0
South Carolina	15	5	1	0 <sup>a</sup>	0	9	0	0	0	15
South Dakota	8	2	0	0	3	3	0	0	0	8
Tennessee	17	1	1	2	4	6	3	0	0	17
Texas	332	78	18	34	34	86	82	0	0	332
Utah	56	8	0	0 <sup>a</sup>	2	21	25	0	0	56
Vermont	26	11	8	0	0 <sup>a</sup>	7	0	0	0	26
Virginia	215	49	8	1	0 <sup>a</sup>	83	74	0	0	215
Washington	74	31	0	5	29	9	0	0	0	74
West Virginia	497	51	4	7	5	228	159	43	0	497
Wisconsin	119	38	19	3	9	40	10	0	0	119
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>5,690</b>	<b>1,039</b>	<b>475</b>	<b>272</b>	<b>371</b>	<b>1,721</b>	<b>885</b>	<b>926</b>	<b>1</b>	<b>5,689</b>

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-9 provides the subset of Table A-7 data for the needs for small community facilities estimated to be serving populations in the range of 1,000 to 3,500 people.

**Table A-9.** CWNS 2000 Total Small Community Needs: Facilities Serving Populations of 1,000 to 3,500 People (January 2000 dollars in millions)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Alabama	48	0a	3	10	6	26	3	0	0	48
Alaska	20	17	0	0	1	2	0	0	0	20
Arizona	161	19	28	1	3	91	19	0	0	161
Arkansas	46	4	7	1	0 <sup>a</sup>	19	15	0	0	46
California	101	80	12	0 <sup>a</sup>	5	4	0	0	0	101
Colorado	62	42	13	2	2	0 <sup>a</sup>	3	0	0	62
Connecticut	41	12	3	2	0	15	9	0	0	41
Delaware	25	2	7	0	0	16	0	0	0	25
District of Columbia	0	0	0	0	0	0	0	0	0	0
Florida	102	3	37	6	4	46	6	0	0	102
Georgia	23	9	6	2	0 <sup>a</sup>	5	1	0	0	23
Hawaii	6	4	0	0	0	2	0	0	0	6
Idaho	47	20	1	2	4	10	10	0	0	47
Illinois	184	40	6	3	4	48	11	72	0	184
Indiana	350	47	14	13	12	39	14	211	0	350
Iowa	120	58	3	0	6	2	1	50	0	120
Kansas	48	20	11	6	1	5	5	0	0	48
Kentucky	267	66	9	10	11	125	46	0	0	267
Louisiana	56	6	17	11	7	10	5	0	0	56
Maine	173	40	7	1	8	40	10	67	0	173
Maryland	122	22	34	10	12	18	7	19	0	122
Massachusetts	132	27	11	0 <sup>a</sup>	8	79	7	0	0	132
Michigan	118	23	4	10	2	55	5	19	0	118
Minnesota	113	92	2	4	8	3	4	0	0	113
Mississippi	97	23	1	20	13	31	9	0	0	97
Missouri	91	24	1	1	9	47	9	0	0	91
Montana	59	27	3	4	7	16	2	0	0	59
Nebraska	43	34	2	1	3	2	1	0	0	43
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	11	7	0	0	1	2	1	0	0	11
New Jersey	150	22	13	15	33	57	6	4	0	150
New Mexico	5	2	0 <sup>a</sup>	0 <sup>a</sup>	2	1	0 <sup>a</sup>	0	0	5
New York	455	124	47	29	15	153	41	45	1	454

continued

Table A-9. (continued)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
North Carolina	425	49	35	30	19	198	94	0	0	425
North Dakota	9	4	0	0 <sup>a</sup>	5	0	0 <sup>a</sup>	0	0	9
Ohio	301	44	14	8	2	62	30	140	1	300
Oklahoma	19	10	0 <sup>a</sup>	1	8	0 <sup>a</sup>	0	0	0	19
Oregon	56	31	15	0 <sup>a</sup>	7	2	1	0	0	56
Pennsylvania	897	162	23	19	5	453	62	173	0	897
Rhode Island	2	1	0 <sup>a</sup>	0	0	1	0	0	0	2
South Carolina	4	0	0 <sup>a</sup>	0	2	2	0	0	0	4
South Dakota	11	1	0	0	5	3	0	2	0	11
Tennessee	17	3	5	3	0	5	1	0	0	17
Texas	273	71	18	25	37	64	58	0	0	273
Utah	47	19	1	0	3	13	11	0	0	47
Vermont	8	4	1	0 <sup>a</sup>	0 <sup>a</sup>	3	0	0	0	8
Virginia	263	50	12	13	1	130	57	0	0	263
Washington	108	69	0	11	18	10	0	0	0	108
West Virginia	544	59	5	6	6	214	139	115	0	544
Wisconsin	303	146	21	7	17	99	13	0	0	303
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>6,563</b>	<b>1,639</b>	<b>452</b>	<b>287</b>	<b>322</b>	<b>2,228</b>	<b>716</b>	<b>917</b>	<b>2</b>	<b>6,561</b>

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-10 provides the subset of Table A-7 data for the needs for small community facilities estimated to be serving populations of fewer than 1,000 people.

**Table A-10.** CWNS 2000 Total Small Community Needs: Facilities Serving Populations of Fewer Than 1,000 People  
(January 2000 dollars in millions)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Alabama	19	2	3	1	3	9	1	0	0	19
Alaska	257	111	7	0 <sup>a</sup>	8	126	5	0	0	257
Arizona	104	12	14	0 <sup>a</sup>	2	59	17	0	0	104
Arkansas	44	6	6	0 <sup>a</sup>	0	16	16	0	0	44
California	11	7	0 <sup>a</sup>	4	0 <sup>a</sup>	0	0	0	0	11
Colorado	77	46	2	1	2	12	13	0	1	76
Connecticut	13	3	0 <sup>a</sup>	0 <sup>a</sup>	0	6	4	0	0	13
Delaware	22	0	0	0	0	22	0	0	0	22
District of Columbia	0	0	0	0	0	0	0	0	0	0
Florida	19	2	5	0 <sup>a</sup>	0	10	2	0	0	19
Georgia	4	0	3	0	0	0	1	0	0	4
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	20	11	0	0 <sup>a</sup>	1	4	4	0	0	20
Illinois	46	15	0	0	1	19	4	7	0	46
Indiana	103	16	13	2	15	30	13	14	0 <sup>a</sup>	103
Iowa	57	30	1	0 <sup>a</sup>	2	14	1	9	0	57
Kansas	54	17	1	2	0 <sup>a</sup>	14	20	0	0	54
Kentucky	159	41	4	2	5	82	25	0	0	159
Louisiana	34	8	8	2	1	8	7	0	0	34
Maine	25	15	0	0	1	9	0	0 <sup>a</sup>	0	25
Maryland	205	39	3	3	25	57	78	0	0	205
Massachusetts	9	5	2	0 <sup>a</sup>	1	1	0	0	0	9
Michigan	12	6	0	0	2	4	0	0	0	12
Minnesota	131	100	6	4	2	3	15	0	1	130
Mississippi	101	28	2	3	4	47	17	0	0	101
Missouri	122	26	0 <sup>a</sup>	1	2	73	20	0	0	122
Montana	40	23	0	4	8	5	0 <sup>a</sup>	0	0	40
Nebraska	39	27	1	1	2	7	1	0	0	39
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	5	2	0	0 <sup>a</sup>	0	0 <sup>a</sup>	3	0	0	5
New Jersey	44	8	2	5	13	9	7	0 <sup>a</sup>	0	44
New Mexico	4	1	0	0 <sup>a</sup>	0 <sup>a</sup>	3	0	0	0	4
New York	266	65	37	16	11	103	33	0	1	265

continued

Table A-10. (continued)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
North Carolina	197	21	11	12	2	101	50	0	0	197
North Dakota	8	3	0 <sup>a</sup>	0 <sup>a</sup>	4	0	1	0	0 <sup>a</sup>	8
Ohio	268	58	15	3	1	125	47	19	0	268
Oklahoma	20	10	3	0 <sup>a</sup>	3	4	0 <sup>a</sup>	0	0	20
Oregon	28	11	4	0 <sup>a</sup>	2	10	1	0	0	28
Pennsylvania	337	76	12	8	1	209	20	11	0	337
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	5	3	1	0	1	0 <sup>a</sup>	0	0	0	5
Tennessee	3	1	0	0	0	1	1	0	0	3
Texas	148	43	3	10	9	54	29	0	0 <sup>a</sup>	148
Utah	18	4	0	0	0 <sup>a</sup>	6	8	0	0	18
Vermont	3	0 <sup>a</sup>	1	0	0	1	1	0	0	3
Virginia	171	27	0	4	4	103	33	0	0	171
Washington	18	7	0 <sup>a</sup>	4	2	5	0	0	0	18
West Virginia	302	13	0 <sup>a</sup>	7	5	164	113	0 <sup>a</sup>	0	302
Wisconsin	238	91	8	3	7	105	24	0	0	238
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>3,810</b>	<b>1,040</b>	<b>178</b>	<b>102</b>	<b>152</b>	<b>1,640</b>	<b>635</b>	<b>60</b>	<b>3</b>	<b>3,807</b>

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-11 summarizes the total SSE needs, which are the needs that the States believe to be legitimate but that either were justified with documents outside the established documentation criteria of the CWNS 2000 or had no written documentation. The SSEs are optional and are in addition to the documented needs.

**Table A-11.** CWNS 2000 Total Separate State Estimates (January 2000 dollars in millions)

State	Category of Need												Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VI	VII	VIII	IX	
Alabama	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska	30	13	0	0	1	15	1	0	0	0	0	0	30
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0	0
California	4	1	0	1	0	0	0	0	0	2	0	0	2
Colorado	25	0	25	0	0	0	0	0	0	0	0	0	25
Connecticut	66	0	2	0	0	42	22	0	0	0	0	0	66
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	577	56	340	7	3	10	161	0	0	0	0	0	577
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	1	1	0	0	0	0	0	0	0	0	0	0	1
Illinois	3	3	0 <sup>a</sup>	0	0	0	0	0	0	0	0	0	3
Indiana	36	13	7	14	0 <sup>a</sup>	0	1	0	0	1	0	0	35
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	0 <sup>a</sup>	0 <sup>a</sup>	0	0 <sup>a</sup>	0	0	0	0	0	0	0	0	0 <sup>a</sup>
Kentucky	0 <sup>a</sup>	0	0	0	0	0 <sup>a</sup>	0 <sup>a</sup>	0	0	0	0	0	0 <sup>a</sup>
Louisiana	5	0	0	3	2	0	0	0	0	0	0	0	5
Maine	52	8	0	8	0	24	9	0	0	3	0	0	49
Maryland	501	74	75	7	89	111	65	0	43	37	0	0	421
Massachusetts	28	2	0	18	0	3	5	0	0	0	0	0	28
Michigan	28	3	0	16	7	0	2	0	0	0	0	0	28
Minnesota	286	183	6	36	14	2	27	0	0	18	0	0	268
Mississippi	80	17	5	15	0	15	28	0	0	0	0	0	80
Missouri	15	13	0	0	0	0	2	0	0	0	0	0	15
Montana	7	4	0	0	0 <sup>a</sup>	3	0 <sup>a</sup>	0	0	0	0	0	7
Nebraska	0 <sup>a</sup>	0	0	0	0	0	0	0	0 <sup>a</sup>	0	0	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	1	0	0	0	0	1	0 <sup>a</sup>	0	0	0	0	0	1
New Jersey	285	0	0	0 <sup>a</sup>	7	0	0	21	7	248	2	0	28
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0

continued

Table A-11. (continued)

State	Category of Need											Total (I-V)	
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VI	VII	VIII		IX
New York	459	8	0	0	2	0	0	0	0	449	0 <sup>a</sup>	0	10
North Carolina	68	11	28	9	2	9	9	0	0	0	0	0	68
North Dakota	11	0	0	4	7	0	0	0	0	0	0	0	11
Ohio	784	72	43	34	24	21	20	60	0	510	0	0	274
Oklahoma	5	0	4	0	0	0	1	0	0	0	0	0	5
Oregon	106	51	14	23	6	6	4	0	0	2	0	0	104
Pennsylvania	425	171	39	4	5	118	67	5	0	16	0	0	409
Rhode Island	0 <sup>a</sup>	0	0	0	0 <sup>a</sup>	0	0	0	0	0	0	0	0 <sup>a</sup>
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0 <sup>a</sup>	0	0	0	0	0	0 <sup>a</sup>	0	0	0	0	0	0 <sup>a</sup>
Tennessee	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	19	1	0 <sup>a</sup>	3	0	2	11	0	0	0	2	0	17
Utah	17	2	10	0	0	3	2	0	0	0	0	0	17
Vermont	1	0	1	0	0	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0 <sup>a</sup>	0 <sup>a</sup>	0	0	0	0 <sup>a</sup>	0	0	0	0	0	0	0 <sup>a</sup>
West Virginia	670	220	7	6	4	226	207	0 <sup>a</sup>	0	0	0	0	670
Wisconsin	8	0	0	0	0	4	2	0	0	2	0	0	6
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>4,603</b>	<b>927</b>	<b>606</b>	<b>208</b>	<b>173</b>	<b>615</b>	<b>646</b>	<b>86</b>	<b>50</b>	<b>1,288</b>	<b>4</b>	<b>0</b>	<b>3,261</b>

**Categories**

I Secondary wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
II Advanced wastewater treatment	IV-B New interceptor sewers and appurtenances	VIII Confined animals - point source
III-A Infiltration/inflow correction	V Combined sewer overflow correction	IX Mining - point source
III-B Sewer replacement/rehabilitation	VI Storm water management programs	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-12 summarizes CWNS 2000 SSEs for NPS-related activities. The subcategory totals provided here are summarized in the Category VII column of Table A-11.

**Table A-12.** CWNS 2000 Total Separate State Estimates for NPS Pollution Control Projects  
(January 2000 dollars in millions)

State	Category VII Needs											Total
	A	B	C	D	E	F	G	H	I	J	K	
Alabama	0	0	0	0	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0
California	0	0	0	2	0	0	0	0	0	0	0	2
Colorado	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0	0	0
Illinois	0	0	0	0	0	0	0	0	0	0	0	0
Indiana	1	0 <sup>a</sup>	0	0	0	0	0	0	0	0	0	1
Iowa	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	3	0	0	3
Maryland	0	0	0	0	0	0	0	0	0	37	0	37
Massachusetts	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	0 <sup>a</sup>	0	0	6	0 <sup>a</sup>	0	0	0	12	0	0 <sup>a</sup>	18
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey	0	67	0	0	181	0	0	0	0	0	0	248
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0
New York	0	0	0	449	0	0	0	0	0	0	0	449

continued



Table A-12. (continued)

State	Category VII Needs											Total
	A	B	C	D	E	F	G	H	I	J	K	
North Carolina	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0	0	0
Ohio	3	2	0 <sup>a</sup>	502	0	0	1	0	0	0 <sup>a</sup>	2	510
Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0 <sup>a</sup>	0	0	0	0	0	0	2	2
Pennsylvania	8	8	0	0	0 <sup>a</sup>	0	0	0	0	0	0	16
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	2	0	0	0	0	0	0	0	2
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>12</b>	<b>77</b>	<b>0<sup>a</sup></b>	<b>961</b>	<b>181</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>15</b>	<b>37</b>	<b>4</b>	<b>1,288</b>

**Categories**

A Agriculture (cropland)

B Agriculture (animals)

C Silviculture

D Urban

E Ground water protection (unknown source)

F Marinas

G Resource extraction

H Brownfields

I Storage tanks

J Sanitary landfills

K Hydromodification

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

Table A-13 summarizes the SSE needs for small communities. EPA derived small community needs shown in this table from the total SSEs using the criteria defined in Chapter 3 in the report section “What Are the Needs for Small Communities?” These needs are shown by category of need in each State and U.S. Territory. The SSE needs are optional and are in addition to the documented needs.

**Table A-13.** CWNS 2000 Total Separate State Estimates for Small Community Facilities (January 2000 dollars in millions)

State	Category of Need									Total (I–V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
Alabama	0	0	0	0	0	0	0	0	0	0
Alaska	29	12	0	0	1	15	1	0	0	29
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0	0	0
Connecticut	19	0	0	0	0	13	6	0	0	19
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0
Georgia	13	2	0 <sup>a</sup>	2	2	4	3	0	0	13
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	1	1	0	0	0	0	0	0	0	1
Illinois	3	3	0 <sup>a</sup>	0	0	0	0	0	0	3
Indiana	19	4	5	9	0 <sup>a</sup>	0	1	0	0	19
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0 <sup>a</sup>	0 <sup>a</sup>	0	0 <sup>a</sup>	0	0	0	0	0	0 <sup>a</sup>
Kentucky	0 <sup>a</sup>	0	0	0	0	0 <sup>a</sup>	0 <sup>a</sup>	0	0	0 <sup>a</sup>
Louisiana	1	0	0	1	0	0	0	0	0	1
Maine	43	8	0	3	0	23	9	0	0	43
Maryland	27	7	0	0 <sup>a</sup>	1	11	8	0	0	27
Massachusetts	0	0	0	0	0	0	0	0	0	0
Michigan	10	3	0	0 <sup>a</sup>	7	0	0	0	0	10
Minnesota	226	162	3	33	9	2	17	0	0	226
Mississippi	58	11	3	9	0	14	21	0	0	58
Missouri	15	13	0	0	0	0	2	0	0	15
Montana	7	4	0	0	0	3	0 <sup>a</sup>	0	0	7
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New Hampshire	1	0	0	0	0	1	0 <sup>a</sup>	0	0	1
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0

continued

**Table A-13.** (continued)

State	Category of Need									Total (I-V)
	Total	I	II	III-A	III-B	IV-A	IV-B	V	VII	
New York	7	7	0	0	0	0	0	0	0	7
North Carolina	19	6	0	4	1	5	3	0	0	19
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	56	19	5	7	1	8	16	0	0	56
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	59	33	3	9	4	6	4	0	0 <sup>a</sup>	59
Pennsylvania	277	101	6	3	4	102	56	5	0 <sup>a</sup>	277
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0 <sup>a</sup>	0	0	0	0	0	0 <sup>a</sup>	0	0	0 <sup>a</sup>
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	12	0 <sup>a</sup>	0	0	0	2	10	0	0	12
Utah	7	2	0	0	0	3	2	0	0	7
Vermont	1	0	1	0	0	0	0	0	0	1
Virginia	0	0	0	0	0	0	0	0	0	0
Washington	0 <sup>a</sup>	0 <sup>a</sup>	0	0	0	0 <sup>a</sup>	0	0	0	0 <sup>a</sup>
West Virginia	663	218	7	5	3	224	206	0	0	663
Wisconsin	6	0	0	0	0	4	2	0	0	6
Wyoming	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Total</b>	<b>1,579</b>	<b>616</b>	<b>33</b>	<b>85</b>	<b>33</b>	<b>440</b>	<b>367</b>	<b>5</b>	<b>0<sup>a</sup></b>	<b>1,579</b>

**Categories**

I Secondary wastewater treatment	III-B Sewer replacement/rehabilitation	V Combined sewer overflow correction
II Advanced wastewater treatment	IV-A New collector sewers and appurtenances	VII NPS pollution control
III-A Infiltration/inflow correction	IV-B New interceptor sewers and appurtenances	

Note: NR = not reported. American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

<sup>a</sup> Estimate is less than \$0.5 million.

