

## Appendix A: Compliance Cost Estimates for the Proposed Rule

In order to execute the option for determining whether the compliance costs of a facility are significantly greater than those considered for this rule, the compliance cost estimates prepared by the Agency provide the basis of comparison for permit writers and regulated entities. In the case where a facility's compliance costs are significantly greater than those considered by the Agency, the proposed rule states that the facility would qualify for a site-specific determination of the best technology available. In that case the Director would approve less costly technologies to the extent justified by the significantly greater cost. To document that its site-specific costs would be significantly greater than those EPA considered, the facility would need to develop engineering cost estimates as part of its Comprehensive Cost Evaluation Study. The facility would then consider the model plants presented herein, determine which model plant most closely matches its fuel source, mode of electricity generation, existing intake technologies, waterbody type, geographic location, and intake flow and compare its engineering estimates to EPA's estimated cost for this model plant. The Agency notes that geographic location (an important factor for the consideration of installation capital costs) is not included in the data presented here. This is due to the fact that the Agency, at this juncture, could not reconcile a means to protect a limited amount of confidential business information claimed by respondents to the questionnaires and the need to provide this data to the public for the purposes of evaluating this proposed cost test option. The Agency has worked diligently to protect confidential information and, yet, meet the needs of presenting information to the public. In the interests of refining the information for the final rule, the Agency intends to follow-up on this manner and determine a means of incorporating geographic location without compromising the confidentiality of a limited amount of information claimed by respondents to the questionnaires.

To adequately demonstrate site-specific compliance costs, EPA believes that a facility would need to provide engineering cost estimates that are sufficiently detailed to allow review by a third party. The preferred cost estimating methodology, in the Agency's view, is the adaption of empirical costs from similar projects tailored to the facility's characteristics. The submission of generic costs relying on engineering judgment should be verified with empirical data wherever possible. In the cases where empirical demonstration costs are not available, the level of detail should allow the costs to be reproduced using standard construction engineering unit cost databases. These costs should be supported by estimates from architectural and engineering firms. Further, the engineering assumptions forming the basis of the cost estimates should be clearly documented for the key cost items.

The Agency and other regulatory entities have reviewed recent cost estimates submitted by permittees for several section 316(b) and 316(a) demonstrations. As discussed in Appendix C, where the level of detail provided by the permittee was sufficient to afford a detailed review, EPA has some concerns about the magnitude of these cost estimates. In other cases, the engineering assumptions that formed the basis of the cost submissions were insufficiently documented to afford a critical review. Based in part on these examples, the Agency emphasizes the importance of empirically verified and well documented engineering cost submissions.

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
1	Estuary/Tidal Riv	Coal	190,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$1,805,761	\$1,805,761	\$47,101	\$47,101	\$90,000
2	Fresh Stream/Riv	Coal	360,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
3	Fresh Stream/Riv	Coal	68,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$835,790	\$835,790	\$25,450	\$25,450	\$75,000
4	Lake/Reservoir	Other	980,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
5	Fresh Stream/Riv	Coal	220,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,858,940	\$1,858,940	\$51,560	\$51,560	\$75,000
6	Lake/Reservoir	Other	330,000	OnceThrough	No	No	Fish Handling and Return System	\$660,652	\$660,652	\$23,416	\$23,416	\$75,000
7	Estuary/Tidal Riv	Coal	500,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,676,159	\$3,676,159	\$130,875	\$130,875	\$90,000
8	Fresh Stream/Riv	Nuclear	1,450,000	Recirculating	Yes	No	None	\$0	\$0	\$0	\$0	\$75,000
9	Lake/Reservoir	Coal	950,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
10	Estuary/Tidal Riv	Oil	2,560,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
11	Lake/Reservoir	Coal	290,000	OnceThrough	Yes	Yes	None	\$0	\$0	\$0	\$0	\$75,000
12	Lake/Reservoir	Other	1,460,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
13	Fresh Stream/Riv	Other	680,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$6,414,541	\$6,414,541	\$177,697	\$177,697	\$75,000
14	Fresh Stream/Riv	Coal	400,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
15	Estuary/Tidal Riv	Coal	570,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,462,857	\$5,462,857	\$142,194	\$142,194	\$90,000
16	Fresh Stream/Riv	--	690,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
17	Estuary/Tidal Riv	Coal	520,000	Other	No	No	Fine Mesh Trav w/ Fish Handling	\$3,412,701	\$3,412,701	\$134,395	\$134,395	\$90,000
18	Lake/Reservoir	Coal	580,000	OnceThrough	No	No	Fish Handling and Return System	\$1,152,074	\$1,152,074	\$39,823	\$39,823	\$75,000
19	Fresh Stream/Riv	Coal	410,000	OnceThrough	No	No	Fish Handling and Return System	\$981,350	\$981,350	\$27,619	\$27,619	\$75,000
20	Lake/Reservoir	Other	760,000	OnceThrough	No	No	Fish Handling and Return System	\$1,494,307	\$1,494,307	\$52,216	\$52,216	\$75,000
21	Estuary/Tidal Riv	Other	60,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$630,600	\$630,600	\$20,915	\$20,915	\$90,000
22	Estuary/Tidal Riv	Other	1,100,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$5,996,854	\$5,996,854	\$179,811	\$179,811	\$90,000
23	Lake/Reservoir	Nuclear	120,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
24	Fresh Stream/Riv	Coal	48,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
25	Fresh Stream/Riv	Coal	270,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
26	Lake/Reservoir	Other	910,000	OnceThrough	No	No	Fish Handling and Return System	\$2,383,489	\$2,383,489	\$63,722	\$63,722	\$75,000
27	Estuary/Tidal Riv	Other	350,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,596,753	\$2,596,753	\$63,142	\$63,142	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
28	Estuary/Tidal Riv	Nuclear	2,100,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$18,247,203	\$18,247,203	\$349,615	\$349,615	\$90,000
29	Lake/Reservoir	Coal	270,000	OnceThrough	No	No	Fish Handling and Return System	\$619,002	\$619,002	\$20,420	\$20,420	\$75,000
30	Estuary/Tidal Riv	Coal	190,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,727,234	\$1,727,234	\$47,075	\$47,075	\$90,000
31	Estuary/Tidal Riv	Oil	750,000	Combination	Yes	No	Fish Handling and Return System	\$1,651,646	\$1,651,646	\$51,765	\$51,765	\$90,000
32	Ocean	Nuclear	1,850,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$19,139,311	\$19,139,311	\$449,533	\$449,533	\$90,000
33	Lake/Reservoir	Nuclear	610,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
34	Fresh Stream/Riv	Coal	130,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
35	Fresh Stream/Riv	Other	1,060,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
36	Fresh Stream/Riv	Coal	56,000	OnceThrough	No	No	Fish Handling and Return System	\$148,068	\$148,068	\$4,864	\$4,864	\$75,000
37	Estuary/Tidal Riv	Other	770,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$4,367,081	\$4,367,081	\$133,295	\$133,295	\$90,000
38	Fresh Stream/Riv	Other	320,000	OnceThrough	No	No	Fish Handling and Return System	\$671,217	\$671,217	\$22,837	\$22,837	\$75,000
39	Ocean	Other	520,000	OnceThrough	No	No	Fish Handling and Return System	\$1,421,831	\$1,421,831	\$36,956	\$36,956	\$90,000
40	Lake/Reservoir	Other	81,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
41	Estuary/Tidal Riv	Coal	500,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,989,369	\$3,989,369	\$131,120	\$131,120	\$90,000
42	Fresh Stream/Riv	Coal	89,000	OnceThrough	Yes	No	Fish Handling and Return System	\$272,572	\$272,572	\$7,453	\$7,453	\$75,000
43	Fresh Stream/Riv	Coal	260,000	OnceThrough	No	No	Fish Handling and Return System	\$640,529	\$640,529	\$19,768	\$19,768	\$75,000
44	Estuary/Tidal Riv	Oil	2,450,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$21,731,505	\$21,731,505	\$578,568	\$578,568	\$90,000
45	Lake/Reservoir	Coal	240,000	OnceThrough	Yes	No	Fish Handling and Return System	\$628,037	\$628,037	\$18,615	\$18,615	\$75,000
46	Estuary/Tidal Riv	Coal	61,000	Recirculating	No	No	Fine Mesh Trav w/ Fish Handling	\$618,401	\$618,401	\$0	\$0	\$90,000
47	Lake/Reservoir	Other	340,000	OnceThrough	No	No	Fish Handling and Return System	\$685,536	\$685,536	\$24,217	\$24,217	\$75,000
48	Estuary/Tidal Riv	Oil	770,000	OnceThrough	No	No	Fish Handling and Return System	\$1,952,860	\$1,952,860	\$52,985	\$52,985	\$90,000
49	Estuary/Tidal Riv	Other	280,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,160,144	\$2,160,144	\$78,597	\$78,597	\$90,000
50	Lake/Reservoir	Other	370,000	OnceThrough	No	No	Fish Handling and Return System	\$727,639	\$727,639	\$25,525	\$25,525	\$75,000
51	Lake/Reservoir	Coal	79,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
52	Fresh Stream/Riv	Coal	63,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
53	Fresh Stream/Riv	Coal	38,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
54	Fresh Stream/Riv	Coal	94,000	Combination	No	No	Fish Handling and Return System	\$246,956	\$246,956	\$7,739	\$7,739	\$75,000
55	Fresh Stream/Riv	Coal	370,000	Combination	No	No	Fish Handling and Return System	\$922,742	\$922,742	\$25,892	\$25,892	\$75,000

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Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
56	Fresh Stream/Riv	Coal	64,000	OnceThrough	No	No	Fish Handling and Return System	\$194,875	\$194,875	\$6,013	\$6,013	\$75,000
57	Lake/Reservoir	Nuclear	50,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
58	Fresh Stream/Riv	Coal	470,000	OnceThrough	Yes	No	None	\$0	\$0	\$0	\$0	\$75,000
59	Fresh Stream/Riv	Nuclear	68,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
60	Fresh Stream/Riv	Coal	66,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
61	Lake/Reservoir	Other	500,000	OnceThrough	No	No	Fish Handling and Return System	\$1,013,679	\$1,013,679	\$35,857	\$35,857	\$75,000
62	Fresh Stream/Riv	Coal	310,000	OnceThrough	Yes	Yes	Fine Mesh Traveling Screen	\$2,198,242	\$2,198,242	\$59,178	\$59,178	\$75,000
63	Lake/Reservoir	Oil	400,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
64	Fresh Stream/Riv	Other	45,000	OnceThrough	No	No	Fish Handling and Return System	\$136,324	\$136,324	\$4,215	\$4,215	\$75,000
65	Estuary/Tidal Riv	Other	300,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$90,000
66	Estuary/Tidal Riv	Other	600,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,271,616	\$3,271,616	\$101,715	\$101,715	\$90,000
67	Ocean	Other	250,000	OnceThrough	Yes	No	None	\$0	\$0	\$0	\$0	\$90,000
68	Fresh Stream/Riv	Coal	190,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,672,082	\$1,672,082	\$47,931	\$47,931	\$75,000
69	Ocean	Other	180,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,731,569	\$1,731,569	\$46,197	\$46,197	\$90,000
70	Ocean	Nuclear	2,110,000	OnceThrough	Yes	Yes	Fine Mesh Traveling Screen	\$18,025,893	\$18,025,893	\$350,546	\$350,546	\$90,000
71	Fresh Stream/Riv	Coal	230,000	OnceThrough	Yes	No	Fish Handling and Return System	\$515,448	\$515,448	\$17,883	\$17,883	\$75,000
72	Fresh Stream/Riv	Coal	290,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,638,235	\$2,638,235	\$80,265	\$80,265	\$75,000
73	Fresh Stream/Riv	Coal	170,000	OnceThrough	No	No	Fish Handling and Return System	\$353,994	\$353,994	\$11,888	\$11,888	\$75,000
74	Ocean	Comb Cycle	77,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$935,072	\$935,072	\$27,151	\$27,151	\$90,000
75	Fresh Stream/Riv	Other	52,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
76	Fresh Stream/Riv	Other	51,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$430,310	\$430,310	\$18,797	\$18,797	\$75,000
77	Lake/Reservoir	Nuclear	510,000	OnceThrough	Yes	No	Fish Handling and Return System	\$1,323,813	\$1,323,813	\$36,406	\$36,406	\$75,000
78	Fresh Stream/Riv	Coal	230,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
79	Lake/Reservoir	Coal	680,000	Recirculating	Yes	Yes	None	\$0	\$0	\$0	\$0	\$75,000
80	Estuary/Tidal Riv	Other	420,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,894,496	\$3,894,496	\$100,601	\$100,601	\$90,000
81	Lake/Reservoir	Coal	310,000	Recirculating	Yes	No	None	\$0	\$0	\$0	\$0	\$75,000
82	Fresh Stream/Riv	Coal	120,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
83	Fresh Stream/Riv	Coal	130,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,155,458	\$1,155,458	\$37,459	\$37,459	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technolgy Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
84	Lake/Reservoir	Other	160,000	OnceThrough	No	No	Fish Handling and Return System	\$327,227	\$327,227	\$11,607	\$11,607	\$75,000
85	Lake/Reservoir	Coal	370,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
86	Estuary/Tidal Riv	Oil	960,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$8,491,006	\$8,491,006	\$239,747	\$239,747	\$90,000
87	Estuary/Tidal Riv	Other	120,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$1,046,549	\$1,046,549	\$35,490	\$35,490	\$90,000
88	Lake/Reservoir	Nuclear	460,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
89	Lake/Reservoir	Other	66,000	OnceThrough	No	No	Fish Handling and Return System	\$162,937	\$162,937	\$6,132	\$6,132	\$75,000
90	Ocean	Oil	690,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$7,550,835	\$7,550,835	\$179,251	\$179,251	\$90,000
91	Lake/Reservoir	Other	130,000	OnceThrough	No	No	Fish Handling and Return System	\$276,698	\$276,698	\$9,644	\$9,644	\$75,000
92	Lake/Reservoir	Coal	45,000	Recirculating	Yes	Yes	None	\$0	\$0	\$0	\$0	\$75,000
93	Estuary/Tidal Riv	Oil	1,230,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$7,473,140	\$7,473,140	\$206,406	\$206,406	\$90,000
94	Fresh Stream/Riv	Coal	150,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,321,383	\$1,321,383	\$41,419	\$41,419	\$75,000
95	Fresh Stream/Riv	Coal	310,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
96	Fresh Stream/Riv	Coal	60,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
97	Lake/Reservoir	Nuclear	450,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
98	Fresh Stream/Riv	Coal	500,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,151,370	\$3,151,370	\$91,926	\$91,926	\$75,000
99	Fresh Stream/Riv	Coal	52,000	Combination	No	No	Fish Handling and Return System	\$116,865	\$116,865	\$4,641	\$4,641	\$75,000
100	Fresh Stream/Riv	Coal	1,090,000	OnceThrough	No	No	Fish Handling and Return System	\$2,427,985	\$2,427,985	\$71,333	\$71,333	\$75,000
101	Lake/Reservoir	Nuclear	59,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
102	Fresh Stream/Riv	Other	1,330,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
103	Estuary/Tidal Riv	Coal	320,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,333,617	\$2,333,617	\$59,460	\$59,460	\$90,000
104	Estuary/Tidal Riv	Coal	290,000	Combination	No	Yes	Fine Mesh Traveling Screen	\$2,168,475	\$2,168,475	\$56,716	\$56,716	\$90,000
105	Lake/Reservoir	Other	2,130,000	Recirculating	Yes	Yes	None	\$0	\$0	\$0	\$0	\$75,000
106	Fresh Stream/Riv	Coal	2,570,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
107	Lake/Reservoir	Coal	140,000	OnceThrough	No	No	Fish Handling and Return System	\$366,143	\$366,143	\$10,484	\$10,484	\$75,000
108	Estuary/Tidal Riv	Coal	790,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
109	Fresh Stream/Riv	Coal	390,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,167,570	\$3,167,570	\$97,102	\$97,102	\$75,000
110	Fresh Stream/Riv	Coal	410,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
111	Estuary/Tidal Riv	Other	300,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,807,761	\$2,807,761	\$81,333	\$81,333	\$90,000

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Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
112	Estuary/Tidal Riv	Coal	230,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$1,873,642	\$1,873,642	\$68,278	\$68,278	\$90,000
113	Lake/Reservoir	Nuclear	890,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
114	Great Lake	Coal	910,000	OnceThrough	No	No	Fish Handling and Return System	\$2,199,596	\$2,199,596	\$63,682	\$63,682	\$75,000
115	Lake/Reservoir	Nuclear	110,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
116	Lake/Reservoir	Other	180,000	OnceThrough	No	No	Fish Handling and Return System	\$355,684	\$355,684	\$12,514	\$12,514	\$75,000
117	Estuary/Tidal Riv	Nuclear	1,210,000	OnceThrough	Yes	Yes	None	\$0	\$0	\$0	\$0	\$90,000
118	Fresh Stream/Riv	Coal	66,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
119	Fresh Stream/Riv	Nuclear	650,000	Combination	No	Yes	Fine Mesh Traveling Screen	\$5,379,051	\$5,379,051	\$106,937	\$106,937	\$75,000
120	Lake/Reservoir	Coal	450,000	OnceThrough	No	No	Fish Handling and Return System	\$1,025,291	\$1,025,291	\$28,979	\$28,979	\$75,000
121	Fresh Stream/Riv	Coal	210,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
122	Fresh Stream/Riv	Coal	920,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$8,021,959	\$8,021,959	\$232,343	\$232,343	\$75,000
123	Lake/Reservoir	Other	73,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
124	Fresh Stream/Riv	Coal	500,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
125	Fresh Stream/Riv	Coal	51,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
126	Estuary/Tidal Riv	Other	420,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,910,893	\$3,910,893	\$100,887	\$100,887	\$90,000
127	Fresh Stream/Riv	Coal	290,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,652,473	\$2,652,473	\$80,641	\$80,641	\$75,000
128	Estuary/Tidal Riv	Coal	140,000	OnceThrough	Yes	Yes	Fine Mesh Traveling Screen	\$969,148	\$969,148	\$28,076	\$28,076	\$90,000
129	Estuary/Tidal Riv	Other	1,080,000	OnceThrough	No	No	Fish Handling and Return System	\$2,127,820	\$2,127,820	\$71,248	\$71,248	\$90,000
130	Ocean	Other	120,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,226,742	\$1,226,742	\$36,102	\$36,102	\$90,000
131	Lake/Reservoir	Other	580,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
132	Lake/Reservoir	Coal	1,020,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
133	Lake/Reservoir	Other	210,000	OnceThrough	No	No	Fish Handling and Return System	\$408,905	\$408,905	\$14,030	\$14,030	\$75,000
134	Lake/Reservoir	Coal	550,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
135	Estuary/Tidal Riv	Other	370,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,684,782	\$2,684,782	\$64,671	\$64,671	\$90,000
136	Fresh Stream/Riv	Coal	360,000	Combination	No	No	Fish Handling and Return System	\$767,347	\$767,347	\$25,355	\$25,355	\$75,000
137	Lake/Reservoir	Coal	180,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
138	Estuary/Tidal Riv	Nuclear	780,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$6,341,110	\$6,341,110	\$133,732	\$133,732	\$90,000
139	Estuary/Tidal Riv	Oil	86,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technolgy Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
140	Lake/Reservoir	Comb Cycle	190,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
141	Fresh Stream/Riv	Coal	170,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
142	Fresh Stream/Riv	Coal	730,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
143	Fresh Stream/Riv	Oil	130,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$805,636	\$805,636	\$26,003	\$26,003	\$75,000
144	Fresh Stream/Riv	Coal	260,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,476,270	\$2,476,270	\$74,729	\$74,729	\$75,000
145	Great Lake	Coal	590,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,096,487	\$5,096,487	\$145,462	\$145,462	\$75,000
146	Fresh Stream/Riv	Coal	250,000	OnceThrough	No	No	Fish Handling and Return System	\$574,081	\$574,081	\$19,368	\$19,368	\$75,000
147	Fresh Stream/Riv	Coal	190,000	OnceThrough	No	No	Fish Handling and Return System	\$433,686	\$433,686	\$13,093	\$13,093	\$75,000
148	Estuary/Tidal Riv	Comb Cycle	370,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,702,457	\$2,702,457	\$93,376	\$93,376	\$90,000
149	Great Lake	Coal	1,230,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$10,370,446	\$10,370,446	\$299,579	\$299,579	\$75,000
150	Estuary/Tidal Riv	Other	1,120,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$7,850,357	\$7,850,357	\$181,826	\$181,826	\$90,000
151	Fresh Stream/Riv	Coal	47,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
152	Estuary/Tidal Riv	Oil	210,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,499,969	\$1,499,969	\$50,329	\$50,329	\$90,000
153	Fresh Stream/Riv	Coal	140,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
154	Estuary/Tidal Riv	Other	330,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,063,444	\$3,063,444	\$87,529	\$87,529	\$90,000
155	Lake/Reservoir	Nuclear	510,000	Combination	No	No	Fish Handling and Return System	\$961,373	\$961,373	\$36,025	\$36,025	\$75,000
156	Estuary/Tidal Riv	Oil	530,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,091,754	\$3,091,754	\$94,964	\$94,964	\$90,000
157	Fresh Stream/Riv	Nuclear	50,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
158	Fresh Stream/Riv	Coal	200,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
159	Estuary/Tidal Riv	Nuclear	80,000	Recirculating	No	Yes	Fine Mesh Traveling Screen	\$925,206	\$925,206	\$20,477	\$20,477	\$90,000
160	Fresh Stream/Riv	Nuclear	150,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
161	Fresh Stream/Riv	Coal	160,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
162	Ocean	Other	1,680,000	OnceThrough	Yes	Yes	None	\$0	\$0	\$0	\$0	\$90,000
163	Fresh Stream/Riv	Coal	130,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
164	Estuary/Tidal Riv	Other	650,000	OnceThrough	No	No	Fish Handling and Return System	\$1,305,785	\$1,305,785	\$42,693	\$42,693	\$90,000
165	Fresh Stream/Riv	Coal	450,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,143,587	\$3,143,587	\$105,377	\$105,377	\$75,000
166	Estuary/Tidal Riv	Nuclear	540,000	Recirculating	No	Yes	Fine Mesh Traveling Screen	\$3,462,339	\$3,462,339	\$95,722	\$95,722	\$90,000
167	Lake/Reservoir	Other	370,000	OnceThrough	No	No	Fish Handling and Return System	\$960,544	\$960,544	\$25,654	\$25,654	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
168	Fresh Stream/Riv	Oil	110,000	OnceThrough	No	No	Fish Handling and Return System	\$287,461	\$287,461	\$8,473	\$8,473	\$75,000
169	Fresh Stream/Riv	Coal	360,000	OnceThrough	No	No	Fish Handling and Return System	\$736,780	\$736,780	\$25,389	\$25,389	\$75,000
170	Fresh Stream/Riv	Coal	5,350,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$45,223,779	\$45,223,779	\$1,262,104	\$1,262,104	\$75,000
171	Lake/Reservoir	Coal	170,000	OnceThrough	No	No	Fish Handling and Return System	\$405,292	\$405,292	\$11,840	\$11,840	\$75,000
172	Lake/Reservoir	Other	440,000	OnceThrough	No	No	Fish Handling and Return System	\$843,501	\$843,501	\$28,694	\$28,694	\$75,000
173	Fresh Stream/Riv	Other	620,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,456,701	\$3,456,701	\$103,550	\$103,550	\$75,000
174	Fresh Stream/Riv	Coal	220,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
175	Fresh Stream/Riv	Coal	220,000	Combination	No	Yes	Fine Mesh Traveling Screen	\$1,413,188	\$1,413,188	\$35,606	\$35,606	\$75,000
176	Lake/Reservoir	Coal	740,000	OnceThrough	No	No	Fish Handling and Return System	\$1,475,184	\$1,475,184	\$51,319	\$51,319	\$75,000
177	Lake/Reservoir	Nuclear	1,910,000	OnceThrough	Yes	No	Fish Handling and Return System	\$4,471,237	\$4,471,237	\$126,492	\$126,492	\$75,000
178	Estuary/Tidal Riv	Other	550,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
179	Lake/Reservoir	Coal	440,000	OnceThrough	No	No	Fish Handling and Return System	\$850,359	\$850,359	\$28,856	\$28,856	\$75,000
180	Lake/Reservoir	Other	770,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
181	Fresh Stream/Riv	Coal	850,000	Combination	No	No	Fish Handling and Return System	\$1,897,495	\$1,897,495	\$56,236	\$56,236	\$75,000
182	Fresh Stream/Riv	Nuclear	1,020,000	OnceThrough	No	No	Fish Handling and Return System	\$2,469,785	\$2,469,785	\$68,455	\$68,455	\$75,000
183	Lake/Reservoir	Coal	770,000	OnceThrough	No	No	Fish Handling and Return System	\$1,763,704	\$1,763,704	\$52,955	\$52,955	\$75,000
184	Fresh Stream/Riv	Coal	130,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,318,605	\$1,318,605	\$37,764	\$37,764	\$75,000
185	Ocean	Other	89,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
186	Lake/Reservoir	Coal	920,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
187	Fresh Stream/Riv	Nuclear	470,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
188	Lake/Reservoir	Coal	150,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
189	Lake/Reservoir	Coal	630,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
190	Lake/Reservoir	Coal	310,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
191	Fresh Stream/Riv	Coal	1,540,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$12,311,066	\$12,311,066	\$365,482	\$365,482	\$75,000
192	Fresh Stream/Riv	Comb Cycle	43,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
193	Fresh Stream/Riv	Coal	610,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,046,381	\$5,046,381	\$148,708	\$148,708	\$75,000
194	Fresh Stream/Riv	Coal	330,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,378,321	\$2,378,321	\$85,979	\$85,979	\$75,000
195	Fresh Stream/Riv	Coal	50,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
196	Lake/Reservoir	Other	420,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
197	Fresh Stream/Riv	Coal	170,000	OnceThrough	No	No	Fish Handling and Return System	\$433,985	\$433,985	\$12,273	\$12,273	\$75,000
198	Lake/Reservoir	Coal	550,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
199	Lake/Reservoir	Other	500,000	OnceThrough	No	No	Fish Handling and Return System	\$1,017,517	\$1,017,517	\$35,981	\$35,981	\$75,000
200	Fresh Stream/Riv	Coal	90,000	OnceThrough	No	No	Fish Handling and Return System	\$209,422	\$209,422	\$7,499	\$7,499	\$75,000
201	Lake/Reservoir	Coal	1,510,000	OnceThrough	No	No	Fish Handling and Return System	\$2,915,937	\$2,915,937	\$99,551	\$99,551	\$75,000
202	Fresh Stream/Riv	Coal	710,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$6,000,929	\$6,000,929	\$182,006	\$182,006	\$75,000
203	Fresh Stream/Riv	Coal	280,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,624,121	\$2,624,121	\$78,660	\$78,660	\$75,000
204	Estuary/Tidal Riv	Nuclear	1,000,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$8,707,797	\$8,707,797	\$169,706	\$169,706	\$90,000
205	Lake/Reservoir	Nuclear	550,000	OnceThrough	No	No	Fish Handling and Return System	\$1,018,849	\$1,018,849	\$38,532	\$38,532	\$75,000
206	Lake/Reservoir	Nuclear	200,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
207	Fresh Stream/Riv	Coal	120,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
208	Lake/Reservoir	Nuclear	1,130,000	OnceThrough	No	No	Fish Handling and Return System	\$2,310,521	\$2,310,521	\$78,289	\$78,289	\$75,000
209	Fresh Stream/Riv	Coal	230,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,192,914	\$2,192,914	\$69,478	\$69,478	\$75,000
210	Fresh Stream/Riv	Coal	950,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$7,906,569	\$7,906,569	\$236,873	\$236,873	\$75,000
211	Fresh Stream/Riv	Coal	420,000	Other	No	No	None	\$0	\$0	\$0	\$0	\$75,000
212	Lake/Reservoir	Other	76,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
213	Lake/Reservoir	Comb Cycle	77,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
214	Fresh Stream/Riv	Coal	200,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,693,858	\$1,693,858	\$49,004	\$49,004	\$75,000
215	Lake/Reservoir	Other	44,000	OnceThrough	No	No	Fish Handling and Return System	\$102,577	\$102,577	\$4,165	\$4,165	\$75,000
216	Lake/Reservoir	Coal	140,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
217	Ocean	Nuclear	560,000	OnceThrough	Yes	No	None	\$0	\$0	\$0	\$0	\$90,000
218	Fresh Stream/Riv	Coal	64,000	OnceThrough	No	No	Fish Handling and Return System	\$147,805	\$147,805	\$6,027	\$6,027	\$75,000
219	Fresh Stream/Riv	Coal	70,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
220	Fresh Stream/Riv	Other	260,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
221	Lake/Reservoir	Nuclear	79,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
222	Fresh Stream/Riv	Coal	160,000	OnceThrough	No	No	Fish Handling and Return System	\$331,890	\$331,890	\$11,364	\$11,364	\$75,000
223	Fresh Stream/Riv	Coal	88,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technolgy Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
224	Lake/Reservoir	Coal	820,000	OnceThrough	No	No	Fish Handling and Return System	\$1,623,313	\$1,623,313	\$55,009	\$55,009	\$75,000
225	Ocean	Other	170,000	OnceThrough	Yes	No	Fish Handling and Return System	\$459,989	\$459,989	\$11,992	\$11,992	\$90,000
226	Estuary/Tidal Riv	Oil	560,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,073,795	\$4,073,795	\$140,592	\$140,592	\$90,000
227	Estuary/Tidal Riv	Other	230,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
228	Fresh Stream/Riv	Coal	73,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$700,542	\$700,542	\$26,346	\$26,346	\$75,000
229	Fresh Stream/Riv	Coal	260,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
230	Estuary/Tidal Riv	Other	1,280,000	OnceThrough	No	No	Fish Handling and Return System	\$3,411,906	\$3,411,906	\$84,707	\$84,707	\$90,000
231	Ocean	Nuclear	440,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
232	Lake/Reservoir	Coal	71,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
233	Lake/Reservoir	Oil	1,270,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
234	Estuary/Tidal Riv	Other	290,000	OnceThrough	No	No	Fish Handling and Return System	\$603,732	\$603,732	\$21,529	\$21,529	\$90,000
235	Fresh Stream/Riv	Coal	850,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$7,316,195	\$7,316,195	\$204,078	\$204,078	\$75,000
236	Estuary/Tidal Riv	Other	100,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,171,873	\$1,171,873	\$32,521	\$32,521	\$90,000
237	Fresh Stream/Riv	Oil	660,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
238	Fresh Stream/Riv	Coal	130,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$913,055	\$913,055	\$26,501	\$26,501	\$75,000
239	Fresh Stream/Riv	Coal	61,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
240	Fresh Stream/Riv	Other	340,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
241	Estuary/Tidal Riv	Oil	2,680,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$18,748,809	\$18,748,809	\$435,154	\$435,154	\$90,000
242	Lake/Reservoir	Other	430,000	OnceThrough	No	No	Fish Handling and Return System	\$825,540	\$825,540	\$28,255	\$28,255	\$75,000
243	Fresh Stream/Riv	Nuclear	460,000	Other	No	No	Fine Mesh Trav w/ Fish Handling	\$4,594,450	\$4,594,450	\$123,881	\$123,881	\$75,000
244	Fresh Stream/Riv	Coal	340,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,239,456	\$2,239,456	\$88,464	\$88,464	\$75,000
245	Lake/Reservoir	Coal	130,000	OnceThrough	No	No	Fish Handling and Return System	\$342,708	\$342,708	\$10,077	\$10,077	\$75,000
246	Fresh Stream/Riv	Coal	110,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,099,875	\$1,099,875	\$34,353	\$34,353	\$75,000
247	Lake/Reservoir	Coal	480,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
248	Estuary/Tidal Riv	Other	580,000	OnceThrough	No	No	Fish Handling and Return System	\$1,542,186	\$1,542,186	\$39,638	\$39,638	\$90,000
249	Great Lake	Other	440,000	Combination	Yes	No	Fine Mesh Trav w/ Fish Handling	\$3,666,639	\$3,666,639	\$104,091	\$104,091	\$75,000
250	Fresh Stream/Riv	Coal	100,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$931,121	\$931,121	\$31,977	\$31,977	\$75,000
251	Lake/Reservoir	Other	450,000	OnceThrough	No	No	Fish Handling and Return System	\$929,538	\$929,538	\$33,096	\$33,096	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
252	Lake/Reservoir	Coal	180,000	OnceThrough	No	No	Fish Handling and Return System	\$373,886	\$373,886	\$12,393	\$12,393	\$75,000
253	Fresh Stream/Riv	Coal	180,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,355,807	\$1,355,807	\$46,172	\$46,172	\$75,000
254	Lake/Reservoir	Coal	74,000	OnceThrough	No	No	Fish Handling and Return System	\$232,739	\$232,739	\$6,583	\$6,583	\$75,000
255	Fresh Stream/Riv	Nuclear	630,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
256	Fresh Stream/Riv	Other	75,000	OnceThrough	No	No	Fish Handling and Return System	\$188,492	\$188,492	\$6,631	\$6,631	\$75,000
257	Fresh Stream/Riv	Other	1,070,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
258	Fresh Stream/Riv	Coal	430,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
259	Estuary/Tidal Riv	Nuclear	110,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,030,036	\$1,030,036	\$23,752	\$23,752	\$90,000
260	Lake/Reservoir	Coal	1,050,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
261	Fresh Stream/Riv	Coal	140,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
262	Great Lake	Coal	41,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$464,121	\$464,121	\$16,467	\$16,467	\$75,000
263	Fresh Stream/Riv	Coal	88,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
264	Lake/Reservoir	Nuclear	5,440,000	OnceThrough	No	No	Fish Handling and Return System	\$9,882,287	\$9,882,287	\$356,995	\$356,995	\$75,000
265	Fresh Stream/Riv	Other	66,000	OnceThrough	No	No	Fish Handling and Return System	\$217,718	\$217,718	\$6,137	\$6,137	\$75,000
266	Lake/Reservoir	Coal	440,000	OnceThrough	No	No	Fish Handling and Return System	\$858,875	\$858,875	\$28,905	\$28,905	\$75,000
267	Estuary/Tidal Riv	Other	38,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
268	Estuary/Tidal Riv	Coal	2,120,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$15,282,924	\$15,282,924	\$509,611	\$509,611	\$90,000
269	Ocean	Oil	360,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,851,922	\$3,851,922	\$91,062	\$91,062	\$90,000
270	Lake/Reservoir	Coal	63,000	OnceThrough	No	No	Fish Handling and Return System	\$161,118	\$161,118	\$5,985	\$5,985	\$75,000
271	Lake/Reservoir	Coal	810,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
272	Fresh Stream/Riv	Coal	300,000	OnceThrough	No	No	Fish Handling and Return System	\$749,245	\$749,245	\$22,251	\$22,251	\$75,000
273	Lake/Reservoir	Other	320,000	OnceThrough	No	No	Fish Handling and Return System	\$648,883	\$648,883	\$23,031	\$23,031	\$75,000
274	Fresh Stream/Riv	Coal	45,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
275	Fresh Stream/Riv	Coal	400,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
276	Fresh Stream/Riv	Coal	240,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,926,190	\$1,926,190	\$70,751	\$70,751	\$75,000
277	Estuary/Tidal Riv	Oil	220,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,372,571	\$1,372,571	\$35,941	\$35,941	\$90,000
278	Fresh Stream/Riv	Coal	120,000	OnceThrough	No	No	Fish Handling and Return System	\$316,951	\$316,951	\$9,138	\$9,138	\$75,000
279	Fresh Stream/Riv	Coal	80,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
280	Estuary/Tidal Riv	Nuclear	2,020,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$16,834,637	\$16,834,637	\$327,747	\$327,747	\$90,000
281	Lake/Reservoir	Coal	370,000	OnceThrough	No	No	Fish Handling and Return System	\$846,303	\$846,303	\$25,572	\$25,572	\$75,000
282	Lake/Reservoir	Coal	700,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
283	Estuary/Tidal Riv	Coal	390,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,206,407	\$2,206,407	\$66,950	\$66,950	\$90,000
284	Fresh Stream/Riv	Coal	230,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
285	Lake/Reservoir	Coal	1,010,000	OnceThrough	No	No	Fish Handling and Return System	\$1,992,079	\$1,992,079	\$68,370	\$68,370	\$75,000
286	Estuary/Tidal Riv	Coal	1,500,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
287	Fresh Stream/Riv	Coal	250,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
288	Estuary/Tidal Riv	Oil	330,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,467,266	\$2,467,266	\$86,864	\$86,864	\$90,000
289	Fresh Stream/Riv	Coal	590,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
290	Estuary/Tidal Riv	Other	500,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,741,804	\$4,741,804	\$130,499	\$130,499	\$90,000
291	Fresh Stream/Riv	Coal	120,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
292	Lake/Reservoir	Comb Cycle	72,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
293	Lake/Reservoir	Other	720,000	Combination	No	No	Fish Handling and Return System	\$1,432,577	\$1,432,577	\$50,358	\$50,358	\$75,000
294	Ocean	Other	370,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,571,824	\$2,571,824	\$92,909	\$92,909	\$90,000
295	Fresh Stream/Riv	Coal	180,000	OnceThrough	No	No	Fish Handling and Return System	\$448,331	\$448,331	\$12,630	\$12,630	\$75,000
296	Estuary/Tidal Riv	Other	100,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
297	Fresh Stream/Riv	Other	510,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
298	Estuary/Tidal Riv	Other	350,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,391,514	\$3,391,514	\$90,901	\$90,901	\$90,000
299	Fresh Stream/Riv	Coal	39,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
300	Estuary/Tidal Riv	Comb Cycle	240,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,957,099	\$1,957,099	\$50,798	\$50,798	\$90,000
301	Estuary/Tidal Riv	Coal	440,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,016,929	\$4,016,929	\$103,736	\$103,736	\$90,000
302	Fresh Stream/Riv	Other	910,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
303	Fresh Stream/Riv	Nuclear	61,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
304	Fresh Stream/Riv	Coal	490,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
305	Lake/Reservoir	Coal	250,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
306	Estuary/Tidal Riv	Other	140,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
307	Estuary/Tidal Riv	Oil	230,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
308	Fresh Stream/Riv	Oil	180,000	OnceThrough	No	No	Fish Handling and Return System	\$435,199	\$435,199	\$12,499	\$12,499	\$75,000
309	Lake/Reservoir	Other	660,000	OnceThrough	No	No	Fish Handling and Return System	\$1,273,883	\$1,273,883	\$43,246	\$43,246	\$75,000
310	Lake/Reservoir	Other	100,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
311	Fresh Stream/Riv	Coal	130,000	OnceThrough	No	No	Fish Handling and Return System	\$287,270	\$287,270	\$10,113	\$10,113	\$75,000
312	Fresh Stream/Riv	Other	83,000	OnceThrough	No	No	Fish Handling and Return System	\$190,035	\$190,035	\$7,113	\$7,113	\$75,000
313	Fresh Stream/Riv	Other	190,000	OnceThrough	No	No	Fish Handling and Return System	\$468,083	\$468,083	\$13,300	\$13,300	\$75,000
314	Fresh Stream/Riv	Coal	950,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$7,825,161	\$7,825,161	\$237,278	\$237,278	\$75,000
315	Fresh Stream/Riv	Coal	270,000	OnceThrough	No	No	Fish Handling and Return System	\$699,405	\$699,405	\$20,414	\$20,414	\$75,000
316	Lake/Reservoir	Nuclear	380,000	OnceThrough	Yes	Yes	None	\$0	\$0	\$0	\$0	\$75,000
317	Fresh Stream/Riv	Other	180,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
318	Lake/Reservoir	Other	280,000	OnceThrough	No	No	Fish Handling and Return System	\$589,745	\$589,745	\$21,056	\$21,056	\$75,000
319	Fresh Stream/Riv	Coal	360,000	Other	No	No	Fine Mesh Trav w/ Fish Handling	\$2,332,769	\$2,332,769	\$91,387	\$91,387	\$75,000
320	Lake/Reservoir	Coal	1,010,000	OnceThrough	No	No	Fish Handling and Return System	\$1,859,551	\$1,859,551	\$68,197	\$68,197	\$75,000
321	Lake/Reservoir	Comb Cycle	150,000	OnceThrough	No	No	Fish Handling and Return System	\$326,129	\$326,129	\$11,118	\$11,118	\$75,000
322	Fresh Stream/Riv	Coal	520,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,364,264	\$3,364,264	\$93,702	\$93,702	\$75,000
323	Lake/Reservoir	Coal	650,000	OnceThrough	No	No	Fish Handling and Return System	\$1,558,441	\$1,558,441	\$42,662	\$42,662	\$75,000
324	Fresh Stream/Riv	Coal	70,000	OnceThrough	No	No	Fish Handling and Return System	\$201,299	\$201,299	\$6,356	\$6,356	\$75,000
325	Fresh Stream/Riv	Nuclear	870,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$8,084,704	\$8,084,704	\$206,638	\$206,638	\$75,000
326	Fresh Stream/Riv	Nuclear	76,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
327	Estuary/Tidal Riv	Oil	2,400,000	OnceThrough	No	No	Fish Handling and Return System	\$6,379,540	\$6,379,540	\$157,514	\$157,514	\$90,000
328	Estuary/Tidal Riv	Coal	82,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
329	Fresh Stream/Riv	Coal	1,370,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$9,113,298	\$9,113,298	\$234,978	\$234,978	\$75,000
330	Fresh Stream/Riv	Coal	110,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,065,898	\$1,065,898	\$34,257	\$34,257	\$75,000
331	Lake/Reservoir	Coal	440,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
332	Great Lake	Coal	310,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,587,410	\$2,587,410	\$82,934	\$82,934	\$75,000
333	Estuary/Tidal Riv	Coal	130,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,068,066	\$1,068,066	\$26,804	\$26,804	\$90,000
334	Fresh Stream/Riv	Other	320,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
335	Fresh Stream/Riv	Coal	1,080,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$7,564,068	\$7,564,068	\$257,171	\$257,171	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
336	Fresh Stream/Riv	Coal	690,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$4,962,647	\$4,962,647	\$178,383	\$178,383	\$75,000
337	Fresh Stream/Riv	Coal	1,050,000	OnceThrough	No	No	Fish Handling and Return System	\$2,157,319	\$2,157,319	\$69,773	\$69,773	\$75,000
338	Fresh Stream/Riv	Coal	200,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$1,373,019	\$1,373,019	\$49,203	\$49,203	\$75,000
339	Fresh Stream/Riv	Nuclear	360,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
340	Fresh Stream/Riv	Coal	700,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$4,545,063	\$4,545,063	\$125,850	\$125,850	\$75,000
341	Fresh Stream/Riv	Coal	100,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
342	Fresh Stream/Riv	Coal	310,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
343	Lake/Reservoir	Coal	42,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
344	Fresh Stream/Riv	Coal	110,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
345	Fresh Stream/Riv	Other	1,050,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
346	Estuary/Tidal Riv	Other	1,050,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
347	Lake/Reservoir	Nuclear	810,000	Combination	Yes	No	Fish Handling and Return System	\$1,542,486	\$1,542,486	\$54,459	\$54,459	\$75,000
348	Fresh Stream/Riv	Coal	150,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
349	Fresh Stream/Riv	Coal	190,000	OnceThrough	No	No	Fish Handling and Return System	\$396,969	\$396,969	\$13,144	\$13,144	\$75,000
350	Lake/Reservoir	Coal	130,000	OnceThrough	No	No	Fish Handling and Return System	\$292,561	\$292,561	\$10,031	\$10,031	\$75,000
351	Estuary/Tidal Riv	Comb Cycle	65,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
352	Fresh Stream/Riv	Coal	820,000	Combination	No	Yes	Fine Mesh Traveling Screen	\$4,601,345	\$4,601,345	\$137,922	\$137,922	\$75,000
353	Ocean	Other	420,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$3,939,024	\$3,939,024	\$101,372	\$101,372	\$90,000
354	Fresh Stream/Riv	Other	130,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$985,436	\$985,436	\$36,506	\$36,506	\$75,000
355	Fresh Stream/Riv	Coal	270,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,420,874	\$2,420,874	\$76,748	\$76,748	\$75,000
356	Fresh Stream/Riv	Coal	70,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$771,245	\$771,245	\$25,669	\$25,669	\$75,000
357	Fresh Stream/Riv	Coal	200,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
358	Estuary/Tidal Riv	Coal	1,710,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$12,330,972	\$12,330,972	\$409,972	\$409,972	\$90,000
359	Estuary/Tidal Riv	Other	140,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
360	Fresh Stream/Riv	Nuclear	67,000	OnceThrough	No	No	Fish Handling and Return System	\$171,556	\$171,556	\$6,200	\$6,200	\$75,000
361	Fresh Stream/Riv	Coal	500,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,572,845	\$3,572,845	\$130,325	\$130,325	\$75,000
362	Lake/Reservoir	Coal	390,000	OnceThrough	No	No	Fish Handling and Return System	\$766,332	\$766,332	\$26,664	\$26,664	\$75,000
363	Estuary/Tidal Riv	Other	65,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$639,845	\$639,845	\$24,760	\$24,760	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
364	Lake/Reservoir	Comb Cycle	130,000	OnceThrough	No	No	Fish Handling and Return System	\$274,030	\$274,030	\$9,819	\$9,819	\$75,000
365	Fresh Stream/Riv	Other	830,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
366	Fresh Stream/Riv	Coal	190,000	OnceThrough	No	No	Fish Handling and Return System	\$396,532	\$396,532	\$13,041	\$13,041	\$75,000
367	Fresh Stream/Riv	Coal	87,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$693,184	\$693,184	\$29,089	\$29,089	\$75,000
368	Ocean	Nuclear	1,030,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$8,182,772	\$8,182,772	\$249,720	\$249,720	\$90,000
369	Lake/Reservoir	Coal	400,000	OnceThrough	No	No	Fish Handling and Return System	\$973,966	\$973,966	\$27,075	\$27,075	\$75,000
370	Fresh Stream/Riv	Coal	550,000	OnceThrough	No	No	Fish Handling and Return System	\$1,314,223	\$1,314,223	\$38,449	\$38,449	\$75,000
371	Fresh Stream/Riv	Coal	270,000	OnceThrough	No	No	Fish Handling and Return System	\$738,387	\$738,387	\$20,134	\$20,134	\$75,000
372	Fresh Stream/Riv	Other	39,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
373	Fresh Stream/Riv	Coal	340,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,019,394	\$3,019,394	\$88,587	\$88,587	\$75,000
374	Estuary/Tidal Riv	Coal	210,000	Combination	Yes	No	Fine Mesh Trav w/ Fish Handling	\$1,373,170	\$1,373,170	\$51,369	\$51,369	\$90,000
375	Fresh Stream/Riv	Coal	42,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
376	Lake/Reservoir	Coal	170,000	OnceThrough	No	No	Fish Handling and Return System	\$405,704	\$405,704	\$12,323	\$12,323	\$75,000
377	Fresh Stream/Riv	Nuclear	140,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
378	Fresh Stream/Riv	Coal	67,000	OnceThrough	No	No	Fish Handling and Return System	\$175,112	\$175,112	\$6,189	\$6,189	\$75,000
379	Fresh Stream/Riv	Coal	450,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
380	Fresh Stream/Riv	Other	91,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
381	Fresh Stream/Riv	Comb Cycle	120,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
382	Lake/Reservoir	Coal	500,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
383	Fresh Stream/Riv	Coal	97,000	OnceThrough	No	No	Fish Handling and Return System	\$261,841	\$261,841	\$7,930	\$7,930	\$75,000
384	Fresh Stream/Riv	Coal	300,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$2,607,043	\$2,607,043	\$80,990	\$80,990	\$75,000
385	Fresh Stream/Riv	Oil	110,000	OnceThrough	No	No	Fish Handling and Return System	\$301,754	\$301,754	\$8,961	\$8,961	\$75,000
386	Fresh Stream/Riv	Coal	780,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,533,505	\$5,533,505	\$193,850	\$193,850	\$75,000
387	Fresh Stream/Riv	Coal	370,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
388	Fresh Stream/Riv	Nuclear	1,180,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
389	Fresh Stream/Riv	Coal	74,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
390	Estuary/Tidal Riv	Other	380,000	OnceThrough	No	No	Fish Handling and Return System	\$842,401	\$842,401	\$26,320	\$26,320	\$90,000
391	Fresh Stream/Riv	Coal	240,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,262,696	\$2,262,696	\$70,725	\$70,725	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
392	Fresh Stream/Riv	Coal	1,030,000	OnceThrough	No	No	Fish Handling and Return System	\$2,402,438	\$2,402,438	\$69,117	\$69,117	\$75,000
393	Estuary/Tidal Riv	Other	520,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$4,708,410	\$4,708,410	\$133,910	\$133,910	\$90,000
394	Fresh Stream/Riv	Coal	54,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
395	Estuary/Tidal Riv	Other	2,100,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$14,707,137	\$14,707,137	\$349,761	\$349,761	\$90,000
396	Lake/Reservoir	Coal	200,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
397	Great Lake	Coal	170,000	OnceThrough	No	No	Fish Handling and Return System	\$411,092	\$411,092	\$12,118	\$12,118	\$75,000
398	Fresh Stream/Riv	Coal	180,000	OnceThrough	No	No	Fish Handling and Return System	\$327,604	\$327,604	\$12,448	\$12,448	\$75,000
399	Fresh Stream/Riv	Coal	190,000	Other	No	Yes	Fine Mesh Traveling Screen	\$1,006,660	\$1,006,660	\$33,417	\$33,417	\$75,000
400	Great Lake	Coal	840,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$6,968,299	\$6,968,299	\$202,908	\$202,908	\$75,000
401	Fresh Stream/Riv	Coal	620,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
402	Estuary/Tidal Riv	Oil	570,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,279,537	\$3,279,537	\$98,996	\$98,996	\$90,000
403	Fresh Stream/Riv	Coal	280,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,494,743	\$2,494,743	\$77,936	\$77,936	\$75,000
404	Lake/Reservoir	Coal	1,120,000	OnceThrough	No	No	Fish Handling and Return System	\$2,163,010	\$2,163,010	\$72,624	\$72,624	\$75,000
405	Fresh Stream/Riv	Coal	480,000	OnceThrough	No	No	Fish Handling and Return System	\$1,153,848	\$1,153,848	\$34,608	\$34,608	\$75,000
406	Estuary/Tidal Riv	Coal	310,000	Combination	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
407	Fresh Stream/Riv	Other	300,000	OnceThrough	No	No	Fish Handling and Return System	\$628,979	\$628,979	\$21,986	\$21,986	\$75,000
408	Lake/Reservoir	Nuclear	83,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
409	Fresh Stream/Riv	Coal	1,000,000	OnceThrough	No	No	Fish Handling and Return System	\$2,254,314	\$2,254,314	\$67,586	\$67,586	\$75,000
410	Fresh Stream/Riv	Other	89,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
411	Estuary/Tidal Riv	Other	95,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$829,916	\$829,916	\$30,663	\$30,663	\$90,000
412	Lake/Reservoir	Nuclear	2,200,000	OnceThrough	No	No	Fish Handling and Return System	\$4,230,547	\$4,230,547	\$143,782	\$143,782	\$75,000
413	Fresh Stream/Riv	Coal	1,900,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$13,190,121	\$13,190,121	\$456,702	\$456,702	\$75,000
414	Fresh Stream/Riv	Other	350,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
415	Ocean	Oil	1,990,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$14,339,794	\$14,339,794	\$471,062	\$471,062	\$90,000
416	Lake/Reservoir	Other	160,000	OnceThrough	No	No	Fish Handling and Return System	\$333,612	\$333,612	\$11,814	\$11,814	\$75,000
417	Lake/Reservoir	Coal	610,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
418	Lake/Reservoir	Other	650,000	OnceThrough	No	No	Fish Handling and Return System	\$1,248,502	\$1,248,502	\$42,636	\$42,636	\$75,000
419	Estuary/Tidal Riv	Other	1,200,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$6,563,060	\$6,563,060	\$203,833	\$203,833	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
420	Fresh Stream/Riv	Coal	350,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
421	Fresh Stream/Riv	Coal	65,000	OnceThrough	No	No	Fish Handling and Return System	\$207,206	\$207,206	\$6,084	\$6,084	\$75,000
422	Fresh Stream/Riv	Other	230,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,900,594	\$1,900,594	\$52,865	\$52,865	\$75,000
423	Fresh Stream/Riv	Other	330,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
424	Estuary/Tidal Riv	Coal	970,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
425	Estuary/Tidal Riv	Other	450,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,193,037	\$4,193,037	\$105,501	\$105,501	\$90,000
426	Estuary/Tidal Riv	Comb Cycle	510,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,923,758	\$4,923,758	\$132,842	\$132,842	\$90,000
427	Ocean	Other	610,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$5,742,626	\$5,742,626	\$149,148	\$149,148	\$90,000
428	Lake/Reservoir	Other	1,200,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
429	Fresh Stream/Riv	Coal	160,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,307,249	\$1,307,249	\$41,836	\$41,836	\$75,000
430	Estuary/Tidal Riv	Other	440,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$4,073,922	\$4,073,922	\$103,620	\$103,620	\$90,000
431	Fresh Stream/Riv	Other	160,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,540,048	\$1,540,048	\$43,180	\$43,180	\$75,000
432	Lake/Reservoir	Coal	630,000	OnceThrough	No	No	Fish Handling and Return System	\$1,224,686	\$1,224,686	\$42,037	\$42,037	\$75,000
433	Estuary/Tidal Riv	Other	58,000	OnceThrough	No	No	Fish Handling and Return System	\$139,315	\$139,315	\$5,012	\$5,012	\$90,000
434	Fresh Stream/Riv	Coal	220,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,266,020	\$1,266,020	\$35,819	\$35,819	\$75,000
435	Lake/Reservoir	Coal	70,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
436	Fresh Stream/Riv	Coal	40,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
437	Lake/Reservoir	Nuclear	2,020,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
438	Estuary/Tidal Riv	Oil	950,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$5,472,686	\$5,472,686	\$165,133	\$165,133	\$90,000
439	Fresh Stream/Riv	Coal	150,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,335,549	\$1,335,549	\$40,565	\$40,565	\$75,000
440	Lake/Reservoir	Other	260,000	OnceThrough	No	No	Fish Handling and Return System	\$557,464	\$557,464	\$19,958	\$19,958	\$75,000
441	Estuary/Tidal Riv	Coal	190,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,383,422	\$1,383,422	\$47,522	\$47,522	\$90,000
442	Estuary/Tidal Riv	Nuclear	1,670,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$10,835,998	\$10,835,998	\$278,379	\$278,379	\$90,000
443	Lake/Reservoir	Coal	3,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
444	Ocean	Other	360,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$90,000
445	Fresh Stream/Riv	Coal	390,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,665,218	\$2,665,218	\$66,902	\$66,902	\$75,000
446	Fresh Stream/Riv	Coal	780,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$5,539,282	\$5,539,282	\$193,651	\$193,651	\$75,000
447	Fresh Stream/Riv	Coal	1,390,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technolgy Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
448	Estuary/Tidal Riv	Other	380,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$90,000
449	Lake/Reservoir	Nuclear	2,100,000	OnceThrough	No	No	Fish Handling and Return System	\$4,144,255	\$4,144,255	\$140,006	\$140,006	\$75,000
450	Fresh Stream/Riv	Coal	380,000	Combination	No	No	Fish Handling and Return System	\$774,817	\$774,817	\$26,095	\$26,095	\$75,000
451	Great Lake	Other	120,000	OnceThrough	No	No	Fish Handling and Return System	\$308,792	\$308,792	\$9,260	\$9,260	\$75,000
452	Great Lake	Coal	460,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,845,181	\$3,845,181	\$123,415	\$123,415	\$75,000
453	Fresh Stream/Riv	Coal	460,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
454	Great Lake	Coal	240,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$2,281,101	\$2,281,101	\$71,240	\$71,240	\$75,000
455	Fresh Stream/Riv	Nuclear	98,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
456	Estuary/Tidal Riv	Coal	620,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,910,341	\$5,910,341	\$150,407	\$150,407	\$90,000
457	Fresh Stream/Riv	Coal	300,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,307,751	\$2,307,751	\$57,931	\$57,931	\$75,000
458	Fresh Stream/Riv	Coal	110,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
459	Fresh Stream/Riv	Coal	14,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
460	Fresh Stream/Riv	Coal	120,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
461	Fresh Stream/Riv	Coal	990,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
462	Great Lake	Coal	550,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,693,678	\$4,693,678	\$139,331	\$139,331	\$75,000
463	Lake/Reservoir	Nuclear	600,000	Combination	No	No	Fish Handling and Return System	\$1,088,627	\$1,088,627	\$40,708	\$40,708	\$75,000
464	Fresh Stream/Riv	Coal	300,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,459,139	\$2,459,139	\$81,839	\$81,839	\$75,000
465	Fresh Stream/Riv	Coal	560,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$4,709,936	\$4,709,936	\$141,360	\$141,360	\$75,000
466	Fresh Stream/Riv	Coal	46,000	OnceThrough	No	No	Fish Handling and Return System	\$135,272	\$135,272	\$4,272	\$4,272	\$75,000
467	Fresh Stream/Riv	Other	70,000	OnceThrough	No	No	Fish Handling and Return System	\$166,824	\$166,824	\$6,356	\$6,356	\$75,000
468	Fresh Stream/Riv	Coal	300,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
469	Fresh Stream/Riv	Coal	40,000	Other	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
470	Fresh Stream/Riv	Nuclear	360,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$2,604,583	\$2,604,583	\$91,795	\$91,795	\$75,000
471	Fresh Stream/Riv	Coal	450,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
472	Estuary/Tidal Riv	Other	240,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,487,122	\$1,487,122	\$50,391	\$50,391	\$90,000
473	Estuary/Tidal Riv	Other	530,000	OnceThrough	Yes	Yes	Fine Mesh Traveling Screen	\$3,787,393	\$3,787,393	\$94,673	\$94,673	\$90,000
474	Great Lake	Coal	380,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$3,192,473	\$3,192,473	\$95,412	\$95,412	\$75,000
475	Lake/Reservoir	Coal	790,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
476	Fresh Stream/Riv	Coal	530,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
477	Fresh Stream/Riv	Coal	610,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$5,206,954	\$5,206,954	\$149,533	\$149,533	\$75,000
478	Lake/Reservoir	Nuclear	1,170,000	OnceThrough	No	No	Fish Handling and Return System	\$2,313,355	\$2,313,355	\$79,908	\$79,908	\$75,000
479	Fresh Stream/Riv	Coal	300,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$2,518,999	\$2,518,999	\$81,047	\$81,047	\$75,000
480	Estuary/Tidal Riv	Coal	970,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$7,117,155	\$7,117,155	\$167,017	\$167,017	\$90,000
481	Fresh Stream/Riv	Coal	520,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
482	Fresh Stream/Riv	Other	90,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$876,076	\$876,076	\$29,591	\$29,591	\$75,000
483	Fresh Stream/Riv	Comb Cycle	130,000	Combination	No	No	None	\$0	\$0	\$0	\$0	\$75,000
484	Fresh Stream/Riv	Oil	260,000	OnceThrough	No	No	Fish Handling and Return System	\$705,356	\$705,356	\$19,678	\$19,678	\$75,000
485	Estuary/Tidal Riv	Coal	180,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$1,331,750	\$1,331,750	\$32,154	\$32,154	\$90,000
486	Fresh Stream/Riv	Coal	140,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$962,776	\$962,776	\$27,700	\$27,700	\$75,000
487	Lake/Reservoir	Other	520,000	OnceThrough	No	No	Fish Handling and Return System	\$1,034,640	\$1,034,640	\$36,526	\$36,526	\$75,000
488	Fresh Stream/Riv	Coal	220,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
489	Fresh Stream/Riv	Other	63,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$685,831	\$685,831	\$24,262	\$24,262	\$75,000
490	Fresh Stream/Riv	Coal	38,000	Recirculating	No	No	None	\$0	\$0	\$0	\$0	\$75,000
491	Great Lake	Coal	66,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$756,310	\$756,310	\$24,959	\$24,959	\$75,000
492	Fresh Stream/Riv	Coal	690,000	Combination	No	No	Fish Handling and Return System	\$1,654,100	\$1,654,100	\$48,730	\$48,730	\$75,000
493	Fresh Stream/Riv	Coal	75,000	OnceThrough	No	No	Fish Handling and Return System	\$182,461	\$182,461	\$6,639	\$6,639	\$75,000
494	Lake/Reservoir	Other	370,000	OnceThrough	No	No	Fish Handling and Return System	\$727,770	\$727,770	\$25,529	\$25,529	\$75,000
495	Fresh Stream/Riv	Coal	460,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,059,435	\$3,059,435	\$87,083	\$87,083	\$75,000
496	Fresh Stream/Riv	Coal	38,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$423,094	\$423,094	\$15,837	\$15,837	\$75,000
497	Lake/Reservoir	Coal	1,240,000	OnceThrough	No	No	Fish Handling and Return System	\$2,414,364	\$2,414,364	\$83,162	\$83,162	\$75,000
498	Great Lake	Coal	210,000	OnceThrough	Yes	No	Fine Mesh Trav w/ Fish Handling	\$1,788,730	\$1,788,730	\$51,230	\$51,230	\$75,000
499	Ocean	Other	180,000	OnceThrough	No	No	Fish Handling and Return System	\$489,001	\$489,001	\$12,663	\$12,663	\$90,000
500	Great Lake	Coal	190,000	Combination	No	No	Fine Mesh Trav w/ Fish Handling	\$1,505,392	\$1,505,392	\$46,877	\$46,877	\$75,000
501	Fresh Stream/Riv	Coal	39,000	OnceThrough	No	No	Fish Handling and Return System	\$108,943	\$108,943	\$3,840	\$3,840	\$75,000
502	Estuary/Tidal Riv	Comb Cycle	44,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$493,753	\$493,753	\$17,343	\$17,343	\$90,000
503	Fresh Stream/Riv	Coal	200,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,581,199	\$1,581,199	\$48,949	\$48,949	\$75,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
504	Fresh Stream/Riv	Coal	140,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,246,248	\$1,246,248	\$38,937	\$38,937	\$75,000
505	Fresh Stream/Riv	Other	35,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$421,139	\$421,139	\$15,043	\$15,043	\$75,000
506	Fresh Stream/Riv	Other	1,010,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$5,518,710	\$5,518,710	\$170,854	\$170,854	\$75,000
507	Fresh Stream/Riv	Other	72,000	OnceThrough	No	No	Fish Handling and Return System	\$210,378	\$210,378	\$6,442	\$6,442	\$75,000
508	Fresh Stream/Riv	Oil	75,000	Recirculating	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
509	Lake/Reservoir	Coal	290,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
510	Estuary/Tidal Riv	Nuclear	2,400,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$16,875,397	\$16,875,397	\$393,401	\$393,401	\$90,000
511	Estuary/Tidal Riv	Other	160,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,539,775	\$1,539,775	\$42,000	\$42,000	\$90,000
512	Lake/Reservoir	Other	280,000	OnceThrough	No	No	Fish Handling and Return System	\$584,577	\$584,577	\$20,881	\$20,881	\$75,000
513	Estuary/Tidal Riv	Oil	110,000	OnceThrough	No	No	Fish Handling and Return System	\$240,807	\$240,807	\$8,532	\$8,532	\$90,000
514	Ocean	Oil	180,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$1,932,155	\$1,932,155	\$45,646	\$45,646	\$90,000
515	Fresh Stream/Riv	Coal	90,000	OnceThrough	No	No	Fish Handling and Return System	\$214,580	\$214,580	\$7,499	\$7,499	\$75,000
516	Lake/Reservoir	Coal	110,000	Other	No	No	Fish Handling and Return System	\$314,859	\$314,859	\$8,653	\$8,653	\$75,000
517	Fresh Stream/Riv	Coal	320,000	OnceThrough	No	No	Fish Handling and Return System	\$745,665	\$745,665	\$22,821	\$22,821	\$75,000
518	Lake/Reservoir	Other	720,000	OnceThrough	No	No	Fish Handling and Return System	\$1,437,569	\$1,437,569	\$50,511	\$50,511	\$75,000
519	Fresh Stream/Riv	Coal	950,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
520	Lake/Reservoir	Coal	560,000	OnceThrough	No	No	Fish Handling and Return System	\$1,381,513	\$1,381,513	\$38,776	\$38,776	\$75,000
521	Lake/Reservoir	Other	190,000	OnceThrough	No	No	Fish Handling and Return System	\$391,428	\$391,428	\$13,268	\$13,268	\$75,000
522	Fresh Stream/Riv	Other	140,000	Combination	No	Yes	Fine Mesh Traveling Screen	\$820,949	\$820,949	\$27,388	\$27,388	\$75,000
523	Estuary/Tidal Riv	Other	360,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$2,673,080	\$2,673,080	\$63,952	\$63,952	\$90,000
524	Fresh Stream/Riv	Other	210,000	OnceThrough	No	Yes	None	\$0	\$0	\$0	\$0	\$75,000
525	Lake/Reservoir	Coal	78,000	OnceThrough	No	No	Fish Handling and Return System	\$214,248	\$214,248	\$6,835	\$6,835	\$75,000
526	Fresh Stream/Riv	Coal	1,160,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$8,179,249	\$8,179,249	\$287,687	\$287,687	\$75,000
527	Fresh Stream/Riv	Coal	680,000	OnceThrough	No	No	None	\$0	\$0	\$0	\$0	\$75,000
528	Fresh Stream/Riv	Coal	110,000	Combination	No	No	Fish Handling and Return System	\$250,951	\$250,951	\$8,789	\$8,789	\$75,000
529	Fresh Stream/Riv	Comb Cycle	41,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$490,252	\$490,252	\$16,484	\$16,484	\$75,000
530	Lake/Reservoir	Coal	100,000	OnceThrough	Yes	No	Fish Handling and Return System	\$297,106	\$297,106	\$8,195	\$8,195	\$75,000
531	Estuary/Tidal Riv	Other	42,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$432,089	\$432,089	\$13,737	\$13,737	\$90,000

**Model Plant Compliance Costs for the Section 316(b) Existing Facility Proposed Rule**

Plant Code *	Water Body Type	Steam Plant Fuel Type	Design Intake Flow (gpm)	Baseline Cooling System **	Passive Intake?	Fish Handling and/ or Return?	Compliance CWIS Technology Modification	CWIS Technology Retrofit Capital Cost	Total Capital	Intake CWIS Technology O&M	Total O&M Costs	Annual Monitoring Cost
532	Estuary/Tidal Riv	Oil	920,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$5,251,551	\$5,251,551	\$161,830	\$161,830	\$90,000
533	Fresh Stream/Riv	Other	70,000	Unknown	No	No	Fish Handling and Return System	\$170,133	\$170,133	\$6,356	\$6,356	\$75,000
534	Fresh Stream/Riv	Coal	56,000	OnceThrough	No	No	Fish Handling and Return System	\$142,950	\$142,950	\$4,863	\$4,863	\$75,000
535	Estuary/Tidal Riv	Other	76,000	OnceThrough	No	No	Fine Mesh Trav w/ Fish Handling	\$897,385	\$897,385	\$26,839	\$26,839	\$90,000
536	Estuary/Tidal Riv	Other	520,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$3,906,397	\$3,906,397	\$94,129	\$94,129	\$90,000
537	Lake/Reservoir	Coal	170,000	OnceThrough	Yes	No	Fish Handling and Return System	\$437,083	\$437,083	\$12,031	\$12,031	\$75,000
538	Estuary/Tidal Riv	Other	43,000	OnceThrough	No	Yes	Fine Mesh Traveling Screen	\$367,493	\$367,493	\$13,969	\$13,969	\$90,000
539	Fresh Stream/Riv	Coal	41,000	OnceThrough	No	No	Fish Handling and Return System	\$109,575	\$109,575	\$4,011	\$4,011	\$75,000

\* In the effort to protect a limited amount of confidential information claimed by respondents to the questionnaire, the Agency has assigned random codes to mask facility identities.

\*\* For the purposes of the costing methodology used for this proposed rule, the Agency considers combination cooling systems to be the equivalent of once-through. However, compliance requirements may distinguish between the types under certain special cases (for instance, a mixed-mode facility that may operate in essentially recirculating mode save certain time periods).

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