

Table 2 - Annual Respondent Burden and Cost - Certification Application

Information Collection Activity	Hours and cost per application									Total hours and cost		
	Engineer	Manager	Legal	Clerical	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost (1)	Application s/ Respondent (2)	Number of Respondents	Total hr/yr	Total Cost/yr
	Rate/hour \$65.18	Rate/hour \$95.73	Rate/hour \$122.59	Rate/hour \$27.44								
Review of regulations and guidance	140	3	8	0	151	\$10,393.11	\$0.00	\$0.00	1	16	2,416	\$166,289.76
Developing engine families	24	0	0	0	24	\$1,564.32	\$0.00	\$0.00	1	16	384	\$25,029.12
Testing (in-house)	80	20	5	16	121	\$8,180.99	\$0.00	\$74,102.00	1	3	363	\$246,848.97
Testing (outsourced)	50	1	0	4	55	\$3,464.49	\$0.00	\$14,685.00	1.5	13	1,073	\$353,915.06
Developing deterioration factors	24	0	1	2	27	\$1,741.79	\$0.00	\$0.00	1.9	16	821	\$52,950.42
Data Entry	20	0	0	2	22	\$1,358.48	\$0.00	\$1.00	1.9	16	669	\$41,328.19
Preparing and submitting certification application	16	0.5	0	2	19	\$1,145.63	\$0.00	\$563.00	1.9	16	562	\$51,942.20
Preparing and submitting "carry over" applications	2	0	0	2	4	\$185.24	\$0.00	\$563.00	2.9	16	186	\$34,718.34
Preparing and supporting running changes/corrections	6	0	0	2	8	\$445.96	\$0.00	\$4.00	6.4	16	819	\$46,075.90
Store, file and maintain records	4	0	0	10	14	\$535.12	\$0.00	\$4.00	1	16	224	\$8,625.92
Total per manufacturer	316	24	14	36	390	\$25,550.64	\$0.00	\$75,237.00	varies	N/A	N/A	N/A
Total per remanufacturer	286	5	9	24	324	\$20,834.14	\$0.00	\$15,820.00	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$475,317.97	\$0.00	\$552,405.90	1.9	16	7,516	\$1,027,723.87

(1) Includes photocopying, postage expenses, lab maintenance and testing. See section 6(b)(ii) for details.

(2) See section 6(d) for details.

(3) There are 16 companies affected by this collection: 8 engage in engine manufacturing and 12 in rebuilding (4 companies do both).

Table 3 - Annual Respondent Burden and Cost - Average, Banking and Trading (AB&T) Program

Information Collection Activity	Hours and cost per application								Total hours and
	Engineer	Manager	Legal	Clerical	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O&M Cost (1)	Number of Respondents (2)
	Rate/hour	Rate/hour	Rate/hour	Rate/hour					
	\$65.18	\$95.73	\$122.59	\$27.44					
Review of regulations and guidance	70	20	5	0	95	\$7,090.15	\$0.00	\$2.00	2
Other precertification activities	30	6	0	4	40	\$2,639.54	\$0.00	\$1.00	2
Submit AB&T info with cert application	12	0	0	2	14	\$837.04	\$0.00	\$0.00	2
Gather information about credit sources/recipients	30	10	5	10	55	\$3,800.05	\$0.00	\$10.00	2
Develop and submit preliminary report	28	0	0	4	32	\$1,934.80	\$0.00	\$6.00	2
Develop and submit end-of-the-year report	20	0	0	5	25	\$1,440.80	\$0.00	\$6.00	2
Store, file and maintain records	5	0	0	24	29	\$984.46	\$0.00	\$2.00	2
Total per respondent	195	36	10	49	290	\$18,726.84	\$0.00	varies	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$37,453.68	\$0.00	\$54.00	2

(1) Includes phone calls and CDs for data storage. See section 6(b)(ii) for details.

(2) Two respondents are participating in AB&T.

cost	
Total hr/yr	Total Cost/yr
190	\$14,184.30
80	\$5,281.08
28	\$1,674.08
110	\$7,620.10
64	\$3,881.60
50	\$2,893.60
58	\$1,972.92
N/A	N/A
580	\$37,507.68

Table 4 - Annual Respondent Burden and Cost - Locomotive Production Line Testing Program

Information Collection Activity	Hours and cost per application										Total hours and cost			
	Engineer	Manager	Legal	Clerical	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O&M Cost (1)	Engine Families	Frequency per family	Number of Respondents	Total hr/yr	Total Cost/yr	
	Rate/hour \$65.18	Rate/hour \$95.73	Rate/hour \$122.59	Rate/hour \$27.44										
Review of instructions and	70	2	5	0	77	\$5,367.01	\$0.00	\$0.00	1	1	16	1,232	\$85,872	
Training	16	0	0	0	16	\$1,042.88	\$0.00	\$30.00	1	1	16	256	\$17,166	
Projecting testing needs and planning test schedules	16	1	0	0	17	\$1,138.61	\$0.00	\$0.00	1	1	16	272	\$18,218	
Engine selection	4	0	0	4	8	\$370.48	\$0.00	\$0.00	2.9	1	16	371	\$17,190	
Engine inspection (manufacturers)	6	0	0	1	7	\$418.52	\$0.00	\$0.00	1	4	8	224	\$13,393	
Engine inspection and installation audit (remanufacturers)	25	0	0	5	30	\$1,766.70	\$0.00	\$5,000.00	2	3	12	2,160	\$487,202	
Testing (manufacturers only)	55	0	0	8	63	\$3,804.42	\$0.00	\$10,000.00	1	4	8	2,016	\$441,741	
Data entry and analysis (manufacturers)	18	0	0	2	20	\$1,228.12	\$0.00	\$3.00	1	4	8	640	\$39,396	
Data entry and analysis (remanufacturers)	20	0	0	4	24	\$1,413.36	\$0.00	\$3.00	2	3	12	1,728	\$101,978	
Preparing and submitting report (manufacturers)	15	1	1	4	21	\$1,305.78	\$0.00	\$3.00	2	4	8	1,344	\$83,762	
Preparing and submitting report (remanufacturers)	15	0	0	2	17	\$1,032.58	\$0.00	\$2.00	1	4	12	816	\$49,660	
Store, file and maintain records	4	0	0	10	14	\$535.12	\$0.00	\$2.00	1	4	16	896	\$34,376	
Total per manufacturer	204	4	6	29	243	\$15,210.94	\$0.00	\$10,038.00	varies	varies	N/A	N/A	N/A	
Total per remanufacturer	170	3	5	25	203	\$236.00	\$0.00	\$5,037.00	varies	varies	N/A	N/A	N/A	
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$708,745.95	\$0.00	\$681,208.00	76	N/A	16	11,955	\$1,389,954	

(1) The required sample size is the lesser of one test per engine family or five tests per model year; with a minimum of one test per model year per family. Remanufacturers only need to audit the installation of one remanufactured locomotive engine or 5% of their production, whichever is less.

Table 5 - Annual Respondent Burden and Cost - In-use Testing Program

Information Collection Activity	Hours and cost per application							
	Engineer	Manager	Legal	Clerical	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)
Rate/hour	Rate/hour	Rate/hour	Rate/hour					
	\$65.18	\$95.73	\$122.59	\$27.44				
Review of instructions and regulations	10	1	1	0	12	\$870	\$0	\$0
Training	4	0	0	1	5	\$288	\$0	\$50
Procure locomotives	4	2	0	4	10	\$562	\$0	\$30
Testing (in-house) (3)	40	0	0	8	48	\$2,827	\$0	\$710
Testing (contracting out)	0	0	0	4	4	\$110	\$0	\$14,574
Loss of revenue	0	0	0	0	0	\$0	\$0	\$1,469
Data entry and analysis (manufacturers)	16	0	0	2	18	\$1,098	\$0	\$4
Data entry and analysis (remanufacturers)	2	0	0	5	7	\$268	\$0	\$4
Preparing and submitting report	6	1	1	2	10	\$664	\$0	\$5
Store, file and maintain records	2	0	0	10	12	\$405	\$0	\$2
Total per manufacturer	82	4	2	27	115	\$6,714	\$0	\$2,270
Total per remanufacturer	28	4	2	26	60	\$3,167	\$0	\$16,134
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$81,718	\$0	\$325,213

(1) Includes diskettes, photocopying, postage expenses, phone calls to procure locomotives, testing and the expense of stopping a locomotive for testing, annualized. See section 6(b)(iii) for details.

(2) Manufacturers must test one engine family per year. For new engine families, a minimum of two locomotives must be tested (but only one per carry-over family).

Engine families of less than 10 locomotives need not be tested. Sixteen of 30 new families have over 10 locomotives.

(3) Lab maintenance costs are not included here because they were accounted for in the certification burden table (Table 1).

Total hours and cost			
In-use tests/ Respondent (2)	Number of Respondents	Total hr/yr	Total Cost/yr
1.0	16	192	\$13,922
1.0	16	80	\$5,411
1.0	16	160	\$9,471
2.0	3	288	\$21,220
1.5	13	78	\$286,333
1.5	16	0	\$35,248
1.5	8	216	\$13,221
1.5	12	126	\$4,888
1.0	16	160	\$10,708
1.0	16	192	\$6,508

varies	varies	N/A	N/A
varies	varies	N/A	N/A
varies	16	1,492	\$406,931

tails.

Table 6 - Annual Agency Burden and Cost

Hours and Labor Cost							
Employee	Level	Rate	Rate Increase by 1.6	Number of Employees	Full time hours	% of Time	Total hr/yr
Engineer	GS-13/6	\$55.46	\$88.74	1	2080	75%	1560
Engineer	GS-9/1	\$24.74	\$39.58	1	2080	75%	1560
Contracts/Compliance	GS-13/7	\$51.19	\$81.90	1	2080	1%	20.8
Attorney	GS-13/7	\$51.19	\$81.90	2	2080	2%	83.2
Managers	GS-15/1	\$59.30	\$94.88	1	2080	7%	145.6
SES-1	SES - 1	\$96.01	\$153.62	1	2080	1%	20.8
IT Support	GS-13/6	\$49.72	\$79.55	2	2080	10%	416
Contract Support							
Subtotal				9	N/A	N/A	3,806

O&M Costs

Other	
Contract Support - Compliance	
Contract Support -Certification	
	Subtotal:
	TOTAL:

Total Labor cost/yr
\$138,428
\$61,751
\$1,704
\$6,814
\$13,815
\$3,195
\$33,094
\$17,500
\$ 276,301

\$4,000
\$100
\$200
\$ 4,300

\$ 280,601

Table 7
Respondent Burden Tally

Program	Number of Respond.	Number of Activities	Total Hours Per Year	Total Labor Cost Per Year	Total Annual Capital Costs	Total Annual O&M Costs	Total Costs
Certification	16	9	7,516	\$475,318	\$0	\$552,406	\$1,027,724
AB&T	2	7	580	\$37,454	\$0	\$54	\$37,508
PLT	16	10	11,955	\$708,746	\$0	\$681,208	\$1,389,954
In-use	16	7	1,492	\$81,718	\$0	\$325,213	\$406,931
Totals:	16	33	21,544	\$1,303,236	\$0	\$1,558,881	\$2,862,117

Hours per respondent: 1,346