Table 5 - Annual Respondent Burden and Cost

CI Exhaust Emissions Certification & AB&T Programs - All Industries Except Alternative Fuels & HD GHG

					Burden and Cost	per Application							Total Burden	and Cost	
Information Collection Activity	Engineer Rate/hour \$88.01	Manager Rate/hour \$132.91	Legal Rate/hour \$168.46	Mechanical Engineering Technician Rate/hour \$60.10	Truck Driver Rate/hour \$40.67	Assembler Rate/hour \$39.35	Clerical Rate/hour \$40.38	Responde nt hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost ¹	Frequency or Applications/R espondent ²	Number of Respondents	Total hr/yr	Total Cost/yr
Certification															
Review of regulations and guidance documents	16	9	10	4	0	0	1	40	\$4,570	\$0	\$16	2.0	103	8,240	\$944,570
Developing engine family groups	5	1	0	0	0	0	1	7	\$613	\$0	\$0	1.0	103	721	\$63,174
Developing deterioration factors	30	5	0	38	2	0	3	78	\$5,791	\$0	\$5	2.1	103	17,018	\$1,264,616
In-houseTesting ³															
Testing/Gathering emission data	10	7	0	60	4	1	14	95	\$6,144	\$0	\$5	2.5	56	13,395	\$867,075
Laboratory maintenance Outsourced Testing Costs, An	nuolizod4										\$81,237	1.0	56	0	\$4,533,013
HD and NR	ilualizeu -										\$15,982	3.5	8	0	\$447,487
Marine CI											\$17,970				
IMO											\$4,000	1.0			
Evaporative											\$2,689	0.6	9	0	\$14,520
Locomotives											\$16,387	1.0	15	0	\$245,809
Analyze data to determine compliance	5	6	1	0	0	0	1	13	\$1,446	\$0	\$0	2.1	93	2,561	\$284,931
Preparing and submitting certification application and fee filing form	5	1	0	0	0	0	4	10	\$668	\$0	\$4	10.4	93	9,206	\$651,192
⁴ Preparing and submitting "carry over" applications	1	0	0	0	0	0	2	3	\$169	\$0	\$5	8.3	93	2,316	\$134,150
Application Fee⁵				<u> </u>							•	•			
HD Federal											\$55,892				
HD California only											\$563				+-,
HD Evaporative											\$563	0.8			
NRCI											\$2,940	9.3 10.7	40 29		+=,,
Marine CI (All Categories) Locomotives											\$563 \$563				\$174,530 \$34,343
Preparing and supporting running changes	4	1	1	2	0	0	1	g	\$784	\$0					\$944,870
Answer questions related to EPA's confirmatory testing	- 4 - 5	2	2	0	0	0	0		\$1,176						
Compliance Programs	<u>ગ</u>	ગ	4	U	- U	0		1 10	φ1,170	1 \$0	1 210	2.0	10	1 200	φ23,/14
Preparing and Submitting Annual Production Report	12	2	1	0	0	0	2	17	\$1,571	\$0	\$3	1.0	103	1,751	\$162,138
Preparing and Submitting AB&T Reports	90	8	6	0	0	0	50		\$12,014						,
SEAs	95	5	2	79	2	2			\$14,515						
Recordkeeping											_				
Store, file and maintain records	15	10	4	2	2	2	51	84	\$5,584			1.0			
Total per respondent	293	58	27	185	10	5			\$55,045						
Total for the industry	N/A	N/A	N/A	N/A ed costs have already	N/A	N/A the general certifica			\$6,320,651 ection 6(b)(ii) fo		\$8,647,118	varies	103	79,691	\$14,967,768

Includes phone calls, lab maintenance and testing limited to GHG certification. Other lab-related costs have already been accounted for in the general certification collection, ICR 1684. See section 6(b)(iii) for details.

See section 6(d) for details. Frequency refers to the number of times a respondent performs each task per year. In most instances, this is tied to the number of certification applications in each category, except when in one-time tasks or tasks that apply all applicacions, such as reviewing regulations.

Some manufacturers, usually large companies with many engine families, invest in in-house testing laboratories for compliance testing as well as research & development.

⁴ Some manufacturers, usually smaller companies, hire outside laboratories for testing.

5 Carry over applications are generally a copy of the previous year application except for the first letter of the engine family name. The submittal of certification applications is already accounted for in the certification ICR.

Table 6 - Annual Resp

HD Engines Certifi

	Burden and Cost per Appli									
Information Collection Activity ¹	Engineer Rate/hour \$88.01	Manager Rate/hour \$132.91	Legal Rate/hour \$168.46	Mechanical Engineering Technician Rate/hour \$60.10	Clerical Rate/hour \$40.38					
Review of regs and guidance document	8.0	3.0	1.0	1.0	0.0					
Testing/Gathering emission data on test engines	8.0	1.0	0.0	8.0	1.0					
Analyze data to determine compliance	1.0	0.5	0.0	0.0	0.0					
Adding GHG data to new, non carry-over certification applications	0.5	0.0	0.0	0.0	0.0					
Carry over applications ⁴	0.0	0.0	0.0	0.0	0.0					
Prepare & Review GHG Compliance Plan	1.0	1.0	0.0	0.0	0.0					
Preparing and supporting running changes/corrections	7.0	5.0	1.0	3.0	8.0					
Submitting AB&T and Production Reports	4.0	1.0	0.0	0.0	0.0					
Store, file and maintain records	0.0	0.0	0.0	0.0	2.0					
Total per manufacturer	30	12	2	12	11					
Total for the industry	N/A	N/A	N/A	N/A	N/A					

¹This table accounts for the incremental cost of adding GHG data to the HD certification application. Other certification burden ar ²Includes phone calls, lab maintenance and testing limited to GHG certification. Other lab-related costs have already been accou ³See section 6(d) for details. Frequency refers to the number of times a respondent performs each task per year. In most instanc ⁴Carry over applications are generally a copy of the previous year application except for the first letter of the engine family name.

ondent Burden and Cost

cation & Compliance

ation					Total Burden a	and Cost	
alion					Total Burden a	and Cost	
Responden t hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost²	Frequency or Applications/ Respondent ³	Number of Respondents	Total hr/yr	Total Cost/yr
13.0	\$1,331	\$0	\$20	1.0	7	91	\$9,460
18.0	\$1,358	\$0	\$1,000	0.3	7	33	\$4,363
1.5	\$154	\$0	\$0	0.3	7	3	\$286
0.5	\$44	\$0	\$2	0.3	7	1	\$85
0.0	\$0	\$0	\$0	5.3	7	0	\$0
2.0	\$221	\$0	\$5	1.0	7	14	\$1,581
24.0	\$1,952	\$0	\$2	1.0	5	120	\$9,772
5.0	\$485	\$0	\$5	1.0	7	35	\$3,430
2.0	\$81	\$0	\$10		7	14	
66	5,627	0	\$307	varies	N/A	N/A	
N/A	\$27,468	\$0	\$2,144	1.9	7	311	29,612

nd costs are accounted for on Table 5, Certification.

ınted for in Table 5, Certification.

ces, this is tied to the number of certification applications in each category, except when in one-time tasks or tasks that apply all applic . The submittal of certification applications is already accounted for in the certification ICR.



actions, such as reviewing regulations.

Table 7 - Annual Respondent B

Pickups & Vans Certification

				1 ICKUP	os & valis Cei	tilleation
				Burden a	and Cost per Applic	ation
Information Collection	Engineer Rate/hour	Manager Rate/hour	Legal Rate/hour	Mechanical Engineering Technician Rate/hour	Clerical Rate/hour	Respondent
Activity	\$88.01	\$132.91	\$168.46	\$60.10	\$40.38	hr/yr
Review of regulations and guidance	8.0	3.0	1.0	1.0	0.0	13
Test/Gather emission data on	test vehicles	3				
Pickups/Vans						
Dyno Testing		4.0	0.0			
Coast Down Testing	2.0	2.0	0.0	10.0	0.0	14
Vocational Vehicles						
Tire Testing (ISO28580)	2.0	1.0	0.0	8.0		11
Collect, Input GEM Data & Run Model	20.0	4.0	0.0	0.0	0.0	24
Combination Tractors						
Coefficient of Drag Tests:						
- Coast Down Testing	0.0	0.0	0.0			0
- Wind Tunnel Testing	8.0	2.0	0.0	0.0	0.0	10
- Cfd (initial drawing)	8.0	4.0	0.0	0.0	0.0	12
- Cfd (layers)	2.0	1.0	0.0	0.0	0.0	3
Tire Testing ISO 28580	6.0	2.0	0.0	0.0	0.0	8
Collect Data & Run GEM	20.0	4.0	0.0	0.0	0.0	24
Prepare & submit certification	applications					
Analyze data to determine compliance	16.0	4.0	2.0	2.0	0.0	24
Prepare and submit new, non-carryover certification applications	1.0	0.3	0.3	0.3	0.5	2
Prepare and submit "carryover" application (3)	1.0	0.0	0.0	0.0	0.0	1
Labeling Requirements	1.0	0.0	0.0	0.0	0.0	1
Prepare & Review GHG Compliance Plan (pick up mfrs only)	9.0	8.0	1.0	0.0	1.0	19
Preparing and supporting running changes/corrections	7.0	5.0	1.0	3.0	8.0	24
Store, file and maintain records	3.0	0.5	0.5	0.5	7.0	12
Total per manufacturer	124	45	6	33	17	224
Total for the industry	N/A	N/A	N/A		N/A	N/A

Includes expenses such phone calls, printing costs and testing limited to GHG certification, annualized. See section ²See section 6(d) for details. Frequency refers to the number of times a respondent performs each task per year, us ³Carry over applications are generally a copy of the previous year application except for the first letter of the engine

urden and Cost

& Compliance

\$ 2,292 \$0.00 \$0 0.1 31 103 \$9,859 \$ - \$0.00 \$1,658 0.4 4 0 \$2,919 \$ 970 \$0.00 \$21,411 0.4 4 18 \$39,390 \$ 1,236 \$0.00 \$5,352 0.4 4 21 \$11,590 \$ 309 \$0.00 \$535 0.4 4 14 \$1,960 \$ 794 \$0.00 \$321 0.4 4 14 \$1,960 \$ 2,292 \$0.00 \$2 0.4 4 42 \$4,03 \$ 2,397 \$0.00 \$0 1.0 1.5 36 \$14,380 \$ 199 \$0.00 \$2 1.0 42 95 \$1,200 \$ - \$0.00 \$0 3.3 42 139 \$1,380 \$ - \$0.00 \$0 3.3 42 139 \$1,380 \$ 1,952 \$0.00 \$5 1.0 7 133 \$14,480 \$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,260 \$ 727 \$0.00 \$10 1.0 42 483 \$30,970 \$ \$19,983 \$0 \$14,541 varies N/A N/A N/A N/A		ompii				Total Duvelen	and Coat	
Labor Costlyr Capital Cost Startup Cost O & M Cost Respondent's Respondent's Respondents Number of Respondents Total hr/yr Total costlyr \$ 1,331 \$0.00 \$10 1.0 42 546 \$146,47 \$ 2,069 \$0.00 \$100 2.5 7 420 \$39,03 \$ 1,043 \$0.00 \$500 2.5 7 245 \$28,080 \$ 309 \$0.00 \$321 0.1 31 47 \$2,700 \$ 2,292 \$0.00 \$0 0.1 31 103 \$9,850 \$ - \$0.00 \$1,658 0.4 4 0 \$2,910 \$ 970 \$0.00 \$21,411 0.4 4 18 \$39,393 \$ 1,236 \$0.00 \$53,52 0.4 4 1 \$11,459 \$ 794 \$0.00 \$321 0.4 4 1 \$1,486 \$ 794 \$0.00 \$321 0.4 4 4 4 \$4,033 \$ 2,397						Total Burden	and Cost	
\$ 2,069 \$0.00 \$100 2.5 7 420 \$39,03 \$1,043 \$0.00 \$500 2.5 7 245 \$28,080 \$1,043 \$0.00 \$500 2.5 7 245 \$28,080 \$1,043 \$0.00 \$321 0.1 31 47 \$2,700 \$2,292 \$0.00 \$0 0.1 31 103 \$9,850 \$1,040 \$1,658 0.4 4 0 \$2,910 \$1,040					Applications/		Total hr/yr	
\$ 1,043	\$	1,331	\$0.00	\$10	1.0	42	546	\$146,478
\$ 1,043								
\$ 1,043	_			****				+
\$ 309 \$0.00 \$321 0.1 31 47 \$2,709 \$2,292 \$0.00 \$0 0.1 31 103 \$9,859 \$31								
\$ 2,292 \$0.00 \$0 0.1 31 103 \$9,859 \$ - \$0.00 \$1,658 0.4 4 0 \$2,919 \$ 970 \$0.00 \$21,411 0.4 4 18 \$39,399 \$ 1,236 \$0.00 \$5,352 0.4 4 21 \$11,599 \$ 309 \$0.00 \$535 0.4 4 5 \$1,480 \$ 794 \$0.00 \$321 0.4 4 14 \$1,969 \$ 2,292 \$0.00 \$2 0.4 4 42 \$4,03 \$ 2,397 \$0.00 \$0 1.0 1.5 36 \$14,389 \$ - \$0.00 \$0 3.3 42 139 \$1,380 \$ - \$0.00 \$10 3.3 42 139 \$1,380 \$ 2,064 \$0.00 \$5 1.0 7 133 \$14,480 \$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,269 \$ 727 \$0.00 \$10 1.0 42 483 \$30,979 \$19,983 \$0 \$14,541 varies N/A	_\$_	1,043	\$0.00	\$500	2.5	7	245	\$28,080
\$ - \$0.00 \$1,658 0.4 4 0 \$2,916 \$970 \$0.00 \$21,411 0.4 4 18 \$39,396 \$1,236 \$0.00 \$5,352 0.4 4 21 \$11,596 \$1,486 \$794 \$0.00 \$321 0.4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 4 2 \$4,03 \$14,386 \$1,292 \$0.00 \$2 0.4 50 \$1.0 \$1.5 \$36 \$14,386 \$1.498 \$1.99 \$0.00 \$2 0.4 50 \$1.0 \$1.5 \$36 \$14,386 \$1.498 \$1.99 \$0.00 \$2 0.4 \$1.0 \$1.5 \$36 \$14,386 \$1.498 \$1.99 \$0.00 \$2 0.4 \$1.0 \$1.5 \$36 \$14,386 \$1.498 \$1.99 \$1.208 \$	\$	309	\$0.00	\$321	0.1	31	47	\$2,709
\$ 970 \$0.00 \$21,411 0.4 4 18 \$39,396 \$1,236 \$0.00 \$5,352 0.4 4 21 \$11,596 \$309 \$0.00 \$535 0.4 4 5 \$1,486 \$794 \$0.00 \$321 0.4 4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 4 22 \$4,03 \$12,995 \$1,200 \$2 0.4 4 4 4 42 \$4,03 \$1,296 \$1,200 \$2 0.4 4 4 4 42 \$4,03 \$1,296 \$1,200 \$2 0.4 5 1,200 \$2	\$	2,292	\$0.00	\$0	0.1	31	103	\$9,855
\$ 970 \$0.00 \$21,411 0.4 4 18 \$39,396 \$1,236 \$0.00 \$5,352 0.4 4 21 \$11,596 \$309 \$0.00 \$535 0.4 4 5 \$1,486 \$794 \$0.00 \$321 0.4 4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 4 22 \$4,03 \$12,995 \$1,200 \$2 0.4 4 4 4 42 \$4,03 \$1,296 \$1,200 \$2 0.4 4 4 4 42 \$4,03 \$1,296 \$1,200 \$2 0.4 5 1,200 \$2								
\$ 1,236 \$0.00 \$5,352 0.4 4 21 \$11,596 \$ 309 \$0.00 \$535 0.4 4 5 \$1,486 \$ 794 \$0.00 \$321 0.4 4 14 \$1,966 \$ 2,292 \$0.00 \$2 0.4 4 4 42 \$4,03 \$ \$ 2,397 \$0.00 \$0 1.0 1.5 36 \$14,386 \$ - \$0.00 \$0 3.3 42 139 \$1,206 \$ - \$0.00 \$10 3.3 42 139 \$1,386 \$ \$ 2,064 \$0.00 \$5 1.0 7 133 \$14,486 \$ \$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,266 \$ \$ 727 \$0.00 \$10 1.0 42 483 \$30,976 \$19,983 \$0 \$14,541 varies N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236	\$	-	\$0.00	\$1,658	0.4	4	0	\$2,918
\$ 309 \$0.00 \$535 0.4 4 5 \$1,486 \$794 \$0.00 \$321 0.4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 4 42 \$4,03 \$1.0 \$1.5 36 \$14,386 \$1.486 \$1.99 \$0.00 \$2 1.0 \$1.5 36 \$14,386 \$1.486 \$1.99 \$0.00 \$2 1.0 42 95 \$1,206 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0			\$0.00	\$21,411		4		\$39,390
\$ 794 \$0.00 \$321 0.4 4 14 \$1,966 \$2,292 \$0.00 \$2 0.4 4 4 42 \$4,03 \$ \$ 2,397 \$0.00 \$0 1.0 1.5 36 \$14,386 \$ \$ 199 \$0.00 \$2 1.0 42 95 \$1,206 \$ \$ - \$0.00 \$0 3.3 42 139 \$1,386 \$ \$ - \$0.00 \$10 3.3 42 139 \$1,386 \$ \$ 2,064 \$0.00 \$5 1.0 7 133 \$14,486 \$ \$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,266 \$ \$ 727 \$0.00 \$10 1.0 42 483 \$30,976 \$ \$ 19,983 \$0 \$14,541 varies N/A N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236 \$ \$ 42 4,571 \$467,236 \$ \$ 43 \$30,976 \$ \$ 4400,359 \$0 \$66,877 3.3 42 4,571 \$467,236 \$ \$ 45 727 \$0.00 \$10 1.0 42 483 \$30,976 \$ \$ 400,359 \$0 \$66,877 3.3 42 4,571 \$467,236 \$ \$ 45 727 \$0.00 \$10 1.0 42 483 \$30,976 \$ \$ 400,359 \$0 \$66,877 3.3 42 4,571 \$467,236 \$					0.4			\$11,594
\$ 2,292 \$0.00 \$2 0.4 4 4 42 \$4,03 \$4,03 \$1,20 \$1.0 \$1.5 36 \$14,38 \$1.99 \$0.00 \$2 1.0 42 95 \$1,20 \$1.20			\$0.00	\$535	0.4		5	\$1,486
\$ 2,397 \$0.00 \$0 1.0 1.5 36 \$14,383 \$ \$ 199 \$0.00 \$2 1.0 42 95 \$1,203 \$ \$ - \$0.00 \$0 3.3 42 139 \$1 \$ \$ - \$0.00 \$10 3.3 42 139 \$1,381 \$ \$ 2,064 \$0.00 \$5 1.0 7 133 \$14,483 \$ \$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,263 \$ \$ 727 \$0.00 \$10 1.0 42 483 \$30,973 \$ \$ 19,983 \$0 \$14,541 varies N/A N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,230								\$1,962
\$ 199 \$0.00 \$2 1.0 42 95 \$1,200 \$1,20	\$	2,292	\$0.00	\$2	0.4	4	42	\$4,037
\$ 199 \$0.00 \$2 1.0 42 95 \$1,200 \$1,20								
\$ - \$0.00 \$0 3.3 42 139 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$	2,397	\$0.00	\$0	1.0	1.5	36	\$14,382
\$ - \$0.00 \$10 3.3 42 139 \$1,386 \$1,386 \$2,064 \$0.00 \$5 1.0 7 133 \$14,486 \$1,952 \$0.00 \$2 3.0 20 1,440 \$117,266 \$727 \$0.00 \$10 1.0 42 483 \$30,976 \$19,983 \$0 \$14,541 varies N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236	\$	199	\$0.00	\$2	1.0	42	95	\$1,203
\$ - \$0.00 \$10 3.3 42 139 \$1,386 \$1,386 \$2,064 \$0.00 \$5 1.0 7 133 \$14,486 \$1,952 \$0.00 \$2 3.0 20 1,440 \$117,266 \$727 \$0.00 \$10 1.0 42 483 \$30,976 \$19,983 \$0 \$14,541 varies N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236	\$	-	\$0.00	\$0	3.3	42	139	\$0
\$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,269 \$19,983 \$0 \$14,541 varies N/A N/A \$14,571 \$467,230 \$10,359 \$0 \$66,877 3.3 42 4,571 \$467,230	\$	-	\$0.00	\$10	3.3	42	139	\$1,386
\$ 1,952 \$0.00 \$2 3.0 20 1,440 \$117,269 \$19,983 \$0 \$14,541 varies N/A N/A \$14,571 \$467,230 \$10,359 \$0 \$66,877 3.3 42 4,571 \$467,230	\$	2 064	\$0.00	\$5	1.0	7	133	\$14 484
\$ 727 \$0.00 \$10 1.0 42 483 \$30,972 \$19,983 \$0 \$14,541 varies N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236	—	2,004	Ψ0.00	Ψ3	1.0	1	100	Ψ±τ,τυτ
\$19,983 \$0 \$14,541 varies N/A N/A N/A \$400,359 \$0 \$66,877 3.3 42 4,571 \$467,236	\$	1,952	\$0.00	\$2	3.0	20	1,440	\$117,265
\$400,359 \$0 \$66,877 3.3 42 4,571 \$467,230	\$							\$30,972
								N/A
				\$66,877	3.3	42	4,571	\$467,236

on 6(b)(ii) for details.

sually equal to the number of applications or reports per respondent per year.

28.57

family name. The submittal of certification applications is already accounted for in the certification ICR.

Table 8 - Annual Respondent Burden and Cost

								$\overline{}$			$\overline{}$				
					Marin	ie Cl Product	tion Line Test	ting Program	a						
				В	urden and Cost pe	er Application						Total F	Burden and (Cost	
Information Collection	Engineer Rate/hour	Manager Rate/hour	Legal Rate/hour	Mechanical Engineering Technician Rate/hour	Driver Rate/hour	Assembler Rate/hour	Clerical Rate/hour	Respondent	Labor	Capital		Frequency or Applications/R			Total Cost/yr
Activity	\$88.01	\$132.91	\$168.46	\$60.10	\$40.67	\$39.35	\$40.38	hr/yr	Cost/yr	Startup Cost	O & M Cost ¹	espondent ²	nts	Total hr/yr	
Review of instructions and regulations	20		1 6	C) () ()	0 30	\$3,303				1 25	750	
Training	8	0) 0	0'	1	. 0) (ر عا	\$745	\$0	\$30	1	1 25	225	\$19,369
Projecting testing needs and planning test schedules	11	Ę	5 0	1	i C) ()	0 17	\$1,693	3 \$0	\$5	5 3.5	5 25	1487.5	5 \$148,554
Engine selection and transport	4)0	0)1			1 7	\$472				5 25	612.5	
Engine inspection	1	0	0 0	0	6	0'	, T	ا 7	\$332	\$0	\$0	3.5	5 25	612.5	5 \$29,053
Testing															
Testing (In-house)3		0	0	0'	12	2'		0 22					4 15		
Data entry and analysis	8	0	<u> </u>	1'	. 0'	<u>/</u> 0'	1	<u>)</u> 91	\$764	\$0	\$5	4	4 15	540	\$46,151
Other tasks (test equipment calibration, engine repair, etc.))0	c	93	3)	0 94	\$3,870	\$0	\$5	j <u>1</u>	1 15	1410	\$58,130
Testing (Contract out)4	8	1	٠ 0	5	0	0) (0 14	\$1,137	\$0	\$17,970	2.8	3 10	392	2 \$535,019
Preparing and submitting report	8	. 1	1 1	2	<u>ı</u>	, ,	,	0 12	\$1,126	\$0	\$5	3.5	5 25	1050	\$98,932
Recordkeeping															
Store, file and maintain records	4	. 2	2 0]	3 <u> </u>	<u> </u>	1 10						1 25	500	
Total per manufacturer	108		9	7	7 113			1 249						N/A	
Total for the industry	N/A	N/A	A/N	N/A	N/A	N/A	N/A	A N/A	\$661 223	\$0	\$511 307	7 N/A	25	8 900	\$1 172 530

Table 8b - Annual Respondent Burden and Cost

Locomotive Production Line Testing Program

	Hours and cost per application										Total hours and cost		
Information Collection Activity	Engineer Rate/hour \$88.01	Manager Rate/hour \$132.91	Legal Rate/hour \$168.46	Clerical Rate/hour \$40.38	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
Review of	70		_		77	#7 000 00	#0.00	#0.00	1	_	1.5	1 1 5 5	#100 000
instructions and Training	70 16						\$0.00 \$0.00	\$0.00 \$35.00	<u>1</u>	1	15 15	1,155 240	\$109,032 \$21,647
Projecting testing needs and planning test schedules		-				, ,			<u>.</u>	1			. , ,
	16	1 0	0		17		\$0.00	\$0.00	1	1	15	255	
Engine selection Engine inspection	4	0	0	4	8	\$513.56	\$0.00	\$0.00	2.9	1	15	348	\$22,340
(manufacturers)	6	0	0	1	7	\$568.44	\$0.00	\$0.00	1	4	8	224	\$18,190
Engine inspection and installation audit (remanufacturers)	-	-											. ,
,	25	0	0	5	30	\$2,402.15	\$0.00	\$5,580.00	2	3	9	1,620	\$431,036
Testing (manufacturers only)	55	0	0	8	63	\$5,163.59	\$0.00	\$16,387	1	4	8	2,016	\$689,628
Data entry and analysis (manufacturers)	18	0	0	2	20	\$1,664.94	\$0.00	\$3.30	1	4	8	640	\$53,384
Data entry and analysis (remanufacturers)	20	0	0	4	24	\$1,921.72	\$0.00	\$3.30	2	3	9	1,296	
Preparing and submitting report (manufacturers)	15	1	1	4	21	\$1,783.04	\$0.00	\$3.30	1	1	8	168	\$14,291
Preparing and submitting report (remanufacturers)	15	0	0	2	17	\$1,400.91	\$0.00	\$2.30	1	1	9	153	\$12,629
Store, file and maintain records	4	0	0	10	14	\$755.84	\$0.00	\$2.30	1	4	15	840	\$45,488
Total per manufacturer	204	4	6	29	243	\$20,667.46	\$0.00	\$16,431.18	varies	varies	N/A	N/A	N/A
Total per remanufacturer	170	3	5	25	203	\$236.00	\$0.00	\$5,622.90	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$718,025.54	\$0.00	\$826,706.86	76	N/A	15	8,955	\$1,544,732

⁽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 9a - Annual Respondent Burden and Cost

Manufacturer-run In-use Testing Program for HD Engines/Vehicles

	Mandacturer run in use resting r rog				
	Information Collection	Но	ur a	nd Cost per	Response
Activity	Description	Burden Hours per Vehicle Tested		Cost per vehicle	Cost for 5 vehicles (minimum for in-use each test)
Vendor Cost	Vendor supplies PEMS equipment, all expendables; Installs, operate, removes equipment. Maintains and calibrates equipment, analyzes data, supplies draft EPA submittal files, a test summary, and all backup QA/QC documentation. Travel time and travel costs included.		\$	48,000	\$240,000
Vehicle manufacturer staff travel	Inspection and testing - varies by locaction, this is an estimate of an average		\$	1,150	\$5,750
Customer incentive	Voluntary payment to customers lending their vehicles for testing.		\$	1,000	\$5,000
Replacement vehicle rental	For customer to use during equipment installation		\$	250	\$1,250
Vehicle manufacturer hours	60 hours per vehicle for recruiting, inspection, testing, data review and submission, test follow up, etc	58	\$	10,500	\$52,500
Recordkeeping		2	\$	362	\$1,810
Total per respondent	N/A	60	\$	61,262	\$306,310
Total for the industry	N/A	N/A		N/A	N/A

Total Labor Cost: \$ 65,172 Total O&M Costs: \$ 1,772,690

Total Hours and Cost										
Number of Respond ents (3)	Total hr/yr	Total Cost/yr								
6		\$1,440,000								
6		\$34,500								
6		\$30,000								
6		\$7,500								
6	348	\$315,000								
6	12	\$10,862.07								
N/A	N/A	N/A								
6	360	\$1,837,862								

Table 9b - Annual Respondent Burden and Cost Manufacturer-run In-use Testing Program for Locomotives

		Hours and cost per application								
Information Collection Activity	Engineer Rate/hour \$88.01	Manager Rate/hour \$132.91	Legal Rate/hour \$168.46	Clerical Rate/hour \$40.38	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)		
Review of instructions and		_								
regulations	10		1	0	12	,		\$0		
Training	4	0	0	1	5	\$392		\$50		
Procure locomotives	4	2	0	4	10	-		\$30		
Testing (in-house) (3)	40	0	0	8	48	\$3,843	\$0	\$710		
Testing (contracting out)	0	0	0	4	4	\$162	\$0	\$16,387		
Loss of revenue	0	0	0	0	0	\$0	\$0	\$1,469		
Data entry and analysis (manufacturers)	16	0	0	2	18	\$1,489	\$0	\$4		
Data entry and analysis (remanufacturers)	2	0	0	5	7	\$378	\$0	\$4		
Preparing and submitting report	6	1	1	2	10	\$910	\$0	\$5		
Store, file and maintain records	2	0	0	10	12	\$580	\$0	\$2		
Total per manufacturer (in-house testing)	82	4	2	27	115	\$9,176	\$0	\$2,270		
Total per remanufacturer (contracting out)	28	4	2	26	60	\$4,383	\$0	\$17,947		
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$55,036	\$0	\$116,526		

⁽¹⁾ Includes phone calls to procure locomotives, testing and the expense of stopping a locomotive for testing, among others expenses, 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	Total hours and cost								
In-use tests/ Respondent (2)	Number of Respondents	Total hr/yr	Total Cost/yr							
	_									
1.0	7	84	\$8,270							
1.0	7	35	\$3,097							
1.0	7	70	\$5,666							
1.0	3	144	\$13,660							
1.5	4	24	\$99,293							
1.5	7	0	\$15,421							
1.5	7	189	\$15,676							
		0	\$0							
1.0	7	70	\$6,406							
1.0	7	84	\$4,073							

V	aries	varies	N/A	N/A
V	anes	vancs	IWA	IVA
V	aries	varies	N/A	N/A
V	aries	7	700	\$171,562

Table 10 - Defects Respondent Bur

All Industries

	Burden and Cost per Application								
	Engineer	Manager	Legal	Clerical					
	Rate/hour	Rate/hour	Rate/hour	Rate/hour					
Information Collection Activity	\$88.01	\$132.91	\$168.46	\$40.38	Respondent hr/yr	Labor Cost/yr			
IC 1: Investigation Reports, Defect Information & Recall Reports (DIRs & VERRs)									
Review of instructions and regulations	10	8	3	0	·	\$2,449			
Compile Data	44	12	0	0	56	\$5,467			
Prepare and submit reports	12	4	2	5	23	\$2,127			
Review reports	3.2	1.5	1	1	7	\$690			
Recordkeeping	1	0	0	2	3	\$169			
IC #2:Remedial Plans & Re	call Update	Reports							
Review regulations	14	6	2	0	22	\$2,367			
Compile Data	24	5	0	0	29	\$2,777			
Prepare and submit report Remedial Plan	8	5	2	3	18	\$1,827			
Prepare and submit report VERR updates	15	7	2	2	26	\$2,668			
Maintain Owner Records	2	2	0	40	44	\$2,057			
Recordkeeping									
Recordkeeping	1	0	0		3	-			
Total per manufacturer	134	51	12	55		\$22,765.32			
Total for the Industry	N/A	N/A	N/A	N/A	N/A	\$1,431,947			

			Total Burden	and Cost	
Capital Startup Cost	O & M Cost¹	Frequency or Reports per Respondent ²	Number of Respondents	Total hr/yr	Total Cost/yr
\$0	\$0	1.0	35	735	\$85,707
\$0	\$43	3.7	35	7,168	
\$0	\$11	3.7	35	2,944	\$273,563
\$0	\$0	3.7	35	858	
\$0	\$2	1.0	35	105	\$5,986
\$0	\$0	1.0	6	132	\$14,199
\$0	\$43	4.1	6	713	\$69,355
\$0	\$11	4.1	6	443	\$45,198
\$0	\$11	6.0	6	936	\$96,438
\$0	\$2	4.1	6	1,082	
\$0	\$2	1.0	35	105	\$5,986
0	\$123.68	varies	N/A	N/A	N/A
\$0	\$8,706	varies	\$29	15,221	\$1,440,653

Table 11 - Respondent Burden and Cost

Marine CI Vessel Owners, Operators & Engine Rebuilders

			Ividiiii	C CI 7 C33CI	Owners, op	Crutors & Er	ignie it	CDUIIUCIS				
Table 5 - Annual Respondent Burden and Cost - Vessel Owners, Operators & Engine Rebuilders												
	Hours and Cost per Application									Total Hours and Cost		
Information Collection Activity	Engineer Rate/hour \$88.01	Manager Rate/hour \$132.91	Legal Rate/hour \$168.46	Clerical Rate/hour \$40.38	Respondent hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost ¹	Frequency or Reports per Respondent ²	Number of Respondents	Total hr/yr	Total Cost/yr
Review of instructions and regulations	3	1	1	0	5	\$404.20	\$0	\$10	1.0	192	960	\$79,526
Owners & Operators						\$0.00						
Inform EPA of malfunctions & other special events		1	1	2	8	\$529.96	\$0	\$10	1.0	187	1,496	\$100,973
Conduct Annual Records Review		3	3	5	21	\$1,432.59	\$0	\$100	1.0	187	3,927	
Prepare and submit report	3	1	1	5	10	\$561.25	\$0	\$30	1.0	187	1,870	\$110,564
Owners, Ops & Rebuilders: Store, file and maintain records	15	5	5	30	55	\$2,963.30	\$0	\$50	1.0	192	10,560	\$578,554
Total per manufacturer	95	5	2	8	99	\$6,955	\$0	varies	varies	N/A	N/A	N/A
Annualized totals = total for the industry	N/A	N/A	N/A	N/A	N/A	\$1,118,511	\$0	\$37,700	N/A	192	18,813	\$1,156,211

⁽¹⁾ Includes CDs, photocopying, postage expenses, phone calls, and testing costs.

⁽²⁾ Frequency: A frequency of 1 has been used to denote an annual event.

⁽³⁾ EPA estimates it will audit 1 manufacturer over the next 3 years. It might, however, request pre-audit information from more than one manufacturer.

Table 12- Respondent Burden and Cost

Alternative Fuel Conversions - Beginning-of-Useful-Life Conversions

	Burden and	l Cost per	Application	Total Burden and Cost				
Information Collection Activity	Labor Cost/yr	Capital Startup Cost	O & M Cost ¹	Frequency or Applications/Res pondent ²	Number of Respondents	Total hr/yr	Total Cost/yr	
General Tasks								
Review of regulations and guidance documents	\$3,027	\$0	\$0	1.0	8	188	\$24,217	
Developing engine family groups	\$309	\$0	\$0	1.4	8	34	\$3,460	
Analyze data to determine compliance	\$1,534	\$0	\$0	1.4	8	157	\$17,185	
Preparing and submitting certification application and fee filing form	\$404	\$0	\$4	1.4	8	73	\$4,570	
Preparing and submitting "carry over" applications	\$44	\$0	\$4	0.4	8	2	\$154	
Preparing and supporting running changes	\$389	\$0	\$6	1.0	4	22	\$1,579	
Beginning of Useful Life Co	nversions - New	Application	ons Only					
Test Cost (annualized)3	\$0	\$0	\$10,900	2.5	4	0	\$109,000	
OBD Compliance Demo	\$176	\$0	\$200	2.5	4	20	\$3,760	
Engine Shipping Costs	\$0	\$0	\$833	2.5	4	0	\$8,333	
Lodging for employees to oversee testing	\$0	\$0	\$83	2.5	4	0	\$833	
Fee	\$0	\$0	\$47,664	2.5	4	0	\$476,640	
Intermediate Age Conversion	ons - New applic	ations On	У					
Cost of OBD Scan Tool software updates (annualized)	\$128	\$0	\$183	1.0	1	2	\$ 311	
Scan OBD and print results	\$176	\$0	\$0	1.0	1	2	\$ 176	
Recordkeeping								
Store, file and maintain records	\$1,447	\$0	\$5	1.0	8	152	\$11,613	
Total per response (eng family)	\$7,634	\$0	\$59,883	varies	N/A		N/A	
Total for the industry	\$64,720	\$0	\$597,111	varies	8			

includes phone calls, lab maintenance and testing limited to GHG certification. Other lab-related costs have already been accounted for in the general certification collection, ICR 1684. See section 6(b)(ii) for details.

²See section 6(d) for details. Frequency refers to the number of times a respondent performs each task per year. In most instances, this is tied to the number of certification applications in each category, except when in one-time tasks or tasks that apply all applicactions, such as reviewing regulations.

²Exhaust Testing only. Evap Certification is accounted for in Table 5 Certification.

Table 13 - Annual Respondent Burden and Cost

Transition Program for Equipment Manufacturers - Equipment Manufacturers

	TT GITTOTETOT	i i i ogi ai	ii ioi Equi	Pillolle I	·idiidido	carcis Equi	pilione i	Turrur u	tui 010			
	Burden and Cost per Application							Tota	Total Burden and Cost			
	Engineer	Manager	Legal	Clerical			Capital					
Information Collection	Rate/hour	Rate/hour	Rate/hour	Rate/hour	Responden		Startup		Number of		Total	Cost/yr
Activity	\$88.01	\$132.91	\$168.46	\$40.38	t hr/yr	Labor Cost/yr		O & M Cos	t ¹ Respondents	Total hr/yr		
Equipment Manufacturers												
Review of regulations, contact												
EPA for guidance	12	5	5	1	23	\$2,603	_	\$ 1	_	,	_	280,377
Select an allowance	3	5	3	0	11	\$1,434	0	Ψ			\$	28,679
Notify EPA of participation	1	1	1	1	4	\$430	0	\$	5 20	80	\$	8,695
Prepare and send letter to engine												
manufacturer	5	1	0	1	7	\$613	0	\$	3 107	749	\$	65,948
Post Bonds (foreign OEMs only)	1	3	5	10	19	\$1,733		,				336,642
Apply for Bond Waivers	0.5	0	0	1	1.5	\$84	0	\$	2 10	15	\$	864
Keep track of exempt												
equipment/gather information	10	5	2	25	42	\$2,891	0	\$	5 107	4,494	\$	309,879
Develop and submit final												
calculations (Annual Report)	5	1	0	3	9	\$694	0	\$	3 107	963	\$	74,590
Prepare Hardship Relief												
Requests (annualized)	25	10	25	20	80	\$8,548	0	\$ 1	5 2	160	\$	17,127
Meet with EPA staff to answer												
questions (annualized)	3	1	0	1	5	\$437	0	\$ 1,20	0 6	30	\$	9,824
Gather additional Data												
(annualized)	1.5	0.5	0	1	3	\$239	0	\$	3 6	18	\$	1,451
Engine Manufacturers												
Review of regulations, contact												
EPA for guidance	40	5	5	0	50	\$ 4,724.95	0	\$ 1	7 25	1250	\$	118,549
Keep track of engines to be used												
in exempt equipment/gather												
information	20	7	0	35			0		5 25			97,137
Develop and submit reports	5	3	0	3	11	\$ 899.87	0	\$	3 25	275	\$	22,572
Recordkeeping												
Recordkeeping	8	3	2	20				•	5 132		\$	297,308
Total per respondent	140	51	48	122	361			\$ 6,28		N/A		N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$ 1,407,993	0	\$ 261,64	9 107	14,647	\$ 1	.,669,642
Markedon and actions and all and all			for details									

¹Includes costs such as phone calls and photocopying. See section 6(b)(ii) for details.

Table 14 - Annual Respondent B

Special Compliance Pro

	Burden and Cost per Application								
	Engineer	Manager	Legal	Clerical					
Information Collection	Rate/hour	Rate/hour	Rate/hour	Rate/hour	Respondent				
Activity	\$88.01	\$132.91	\$168.46	\$40.38	hr/yr				
Review of regulations, contact EPA for guidance	1.5	1	0	0	2.5				
Prepare and submit National Security Exemptions (NSEs), annualized	5	3	2	4	14				
Amend NSEs	1	0.5	0.5	1	3				
Prepare and submit general exemptions (e.g. testing, display, not including imports/exports)	3	0	0	0	3				
Keep track of exempt engines	10	0	0	10	20				
Develop and submit reports,if applicable	5	3	0	3	11				
Prepare and submit exemptions-related FOIA requests	1	0	0	0	1				
Recordkeeping									
Recordkeeping	1.5	0	0	3	4.5				
Total per respondent	28	7.5	2.5	21	59				
Total for the industry	N/A	N/A	N/A	N/A	N/A				

 $^{^{1}\}mbox{lncludes}$ costs such as phone calls and photocopying. See section 6(b)(ii) for details.

urden and Cost

visions

			Tota	Burden and	Cos	t
Labor Cost/yr	Capital Startup Cost	O & M Cost ¹	Number of Respondents	Total hr/yr	Tota	al Cost/yr
\$265	0	\$ 17	220	550	\$	62,024
\$1,337	0	\$ 20	20	280	\$	27,144
\$279	0	\$ 5	16	48	\$	4,545
\$264	0	\$ 2	205	615	\$	54,536
\$1,284	0	\$ 20	205	4100	\$	267,300
\$960	0	\$ 3	205	2255	\$	197,399
\$88	0	\$ 10	68	68	\$	6,665
\$253	0	\$ 13	220	990	\$	58,554
\$ 4,730	0	\$ 90	N/A	N/A		N/A
\$665,281	0	\$ 12,885	225	8,906		\$678,166

Table 18 - Annual Agency Burden and Cost

				Hours a	and Labor (Cost
Employee	Level	Total Annual Labor Cost	Rate Increase by 1.6	Number of Employees	Full time hours per employee	% of Time
CD Full-time Career Employees	GS 12 through 15	\$1,746,822	\$2,794,915	20	2080	80%
SEE Support	N/A	\$55,000	N/A	3	2080	90%
IT/Contract Support	GS 13/5	\$109,900	\$175,840	5	2080	30%
OGC & OECA (lawyers)	GS 13/10	\$126,062	\$201,699	4	2080	20%
Division Director	SES-1	\$201,700	\$322,720	1	2080	25%
Office Director	SES-2	\$181,500	\$290,400	1	2080	15%
Other Staff	GS-11/5	\$71,504	\$114,406	4	2080	10%
NHTSA Full-time Career Employees	GS 12 through 15	\$873,411	\$1,397,458	10	2080	70%
Buro	den & Labor Total:	\$ 3,365,899	\$ 5,297,438	48	N/A	N/A
O&M Costs						
In-use Testing						
Travel						
Confirmatory & Other Testing SEAs						
Contract Support - Compliance						
Contract Support -Certification			O&M Total:			

Total hr/yr 33,280 \$2,235,9 5,616 \$49,5 3,120 \$52,7 1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2 59,904 \$3,492,42	32 300 552 440 880
Total hr/yr cost/yr 33,280 \$2,235,9 5,616 \$49,5 3,120 \$52,7 1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	32 300 552 440 880
5,616 \$49,5 3,120 \$52,7 1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	52 40 60
5,616 \$49,5 3,120 \$52,7 1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	52 40 60
3,120 \$52,7 1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	52 40 80 60
1,664 \$40,3 520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	80 60
520 \$80,6 312 \$43,5 832 \$11,4 14,560 \$978,2	80
312 \$43,5 832 \$11,4 14,560 \$978,2	60
832 \$11,4 14,560 \$978,2	
14,560 \$978,2	41
14,560 \$978,2	
59,904 \$ 3,492,42	20
	25
\$150,0	00
\$12,0	00
\$230,0	00
\$12,0	
\$30,0	
\$500,0	00
\$ 934,00	00
TOTAL: \$ 4,426,42	25

Table 19 - Certification Response Levels Per Respondent

\	# of Manufacturers (Cert IC only)	# Engine Families	New Engine Families	Carry-Over Applications	% Carry- Over	ABT
NRCI	40	370	53	317	86%	
HD Engines Gas & Diesel (Exhaust Emissions)	12	70	28	42	60%	
HD Evaporative	9	15	4	11	73%	~33
HD GHG Engines	7	37	2	35		
HD GHG Vehicles	42	139	6	133	96%	urers
Alt Fuel	8	16	10	6	38%	submit AB&T
MCI Categories 1-3	29	231	21	210	91%	reports
IMO Only	2	2	0	2	100%	
Locomotives	15	61	18			
Totals¹:	103	941	142	799	85%	

¹Many companies certify engines/vehicles in more than one industry. Therefore, the real total of certification respondents (than the sum of manufacturers in each industry.

Type

/ 1
PLT
N/A
N/A
10 manufacturers
71 reports
N/A
14 manufacturers
17 reports

(# of manufacturers) is lower

Table 20 - Number of Reports

	Table 20 - Nulliber of Reports								
Program	Number of Respondents ¹	Initial Response (Application/ Notification/ Report)	Annual Reports + Running Changes + Amendments	Total number of Reports Per Program					
Certification (IC #1)									
Certification	103	941	218	1,159					
Evaporative Cert	9	15	29	44					
AB&T (end-of-year + final reports)		25	33	58					
PLT	40	28		28					
Defects	35	128	61	189					
In-use	13	13		13					
SEAs	2	2		2					
MCI Owner Reporting		192		192					
Total for Cert:	103	1,152	341	1,685					
Other Programs (ICs	#2-4)								
HD Alternative Fuel Conversions	8	17	17	34					
TPEM	132	10	132	142					
Special Compliance Provisions	225	225	120	345					
Total:	468	1,404	610	2,206					
		C	Overall number of reports	per respondent:					

*As explained in Table 18's footnote, the real number of respondents in certification (not inlcuding HD Alternative Fuel Conversions) engine manufacturing companies respond to this collection in more than one industry or category.

Number of Reports per Respondent
11.3
4.9
1.8
1.8 0.7
5.4
1.0
1.0
1.0 27
4.3
1.1
1.5 N/A 4.7
10/A
4.7

is 103 as many

Table 21 - Summary by IC and Respondent Tally

		D.O OU	i i i i i i i i i i i i i i i i i i i	7	ie and itt	o pondo		Tany		
Program	Table Number [Section 6(a)]	Number of Respondents	Total Hours Per Year		otal Labor st Per Year	Total Annual Capital Costs		otal Annual 0&M Costs	Total Costs	
			Cei	rtific	ation IC					
Certification	5		79,691	\$	6,320,651	0	\$	8,647,118	\$	14,967,768
HD GHG Engines	6		311	\$	27,468	0	\$	2,144	\$	29,612
HD GHG Vehicles	7	103	4,571	\$	400,359	0	\$	66,877	\$	467,236
PLT	8a & 8b		17,855	\$	1,379,249	0	\$	1,338,014	\$	2,717,262
In-use	9a & 9b		1,060	\$	120,208	0	\$	1,889,215	\$	2,009,424
Defects	10		15,221	\$	1,431,947	0	\$	8,706	\$	1,440,653
MCI owners reporting	11	192	18,813	\$	1,118,511	0	\$	37,700	\$	1,156,211
Tota	l for Cert IC:	295			10,798,392	0		11,989,774		22,788,166
			Alterr	nativ	re Fuels IC					
HD Alternative Fuel	11		051	φ.	64.720	0	Φ.	F07 111	φ.	661 001
Conversions	11	8			64,720	0	\$	597,111	\$	661,831
		l		IPE	M IC				ı -	
TPEM	12	132	14,647	\$	1,407,993	0	\$	261,649	\$	1,669,642
		S	pecial Com	plia	nce Provisio	ns IC				
Special Compliance Provisions	13	225	8,906	¢	665,281	0	\$	12,885	\$	678,166
	ndent Tally:		161,725		12,936,386			12,861,419	\$	25,797,805
		Per Respondent			12,930,300		- φ	12,001,419	-Φ	25,797,603
Aver	age burden	r er Nespon uerii								

Table 22 - Change in Burden per IC

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	R	tesponses			Hours			O&M Costs	
Information Collection (IC)	Previously Approved	Change (+/-)	Total Requested	Previously Approved	Change (+/-)	Total Requested	Previously Approved	Change (+/-)	
IC #1 – Certification	1,144	541	1,685	89,209	48,312	137,521	\$ 16,423,301	\$ (4,433,527)	
IO //O Alta-waatii sa									
IC #2 – Alternative Fuel Conversions	4	30	34	293	358	651	\$ 132,820	\$ 464,291	
IC #3 – Transition Program for Equipment									
Manufacturers	2,329	(2,187)	142	101,066	(86,419)	14,647	\$ 792,543	\$ (530,894)	
IC #4 – Special Compliance									
Provisions	403	(58)	345	10,469	(1,563)				
Total:	3,880	-1,674	2,206	201,037	-39,312	161,725	\$ 17,371,993	\$ (4,510,574)	

^{*} Previous ICR mistakenly included respondents from the spark-ignition and light-duty industries not covered under this collection. For details, including the ICRs that cover those industries, see section 6(d)(iii), page 53.

F	Total Requested	Reason
\$	11,989,774	Consolidation of 4 ICRs into ICR 1684.20, as discussed in Section 1(b). The reduction in cost is likely due to the higher use of carry-over applications (from an average of 56% to 78%).
\$	597,111	Increase in the number of respondents (2 to 8) and responses (4 to 16).
\$	261,649	Far fewer respondents as program is no longer available for most former respondents
\$	12,885	Adjustment in estimates. Previous ICR mistakenly included respondents not covered in this ICR*.
\$	12,861,419	