

Table 1: Annual Respondent Burden and Cost – NSPS for Stationary Source Compression Ignition Internal Con

Burden item	(A)	(B)	(C)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=AxB)
1. Applications	N/A		
A. Certification for stationary use			
- Certification application ^c	44	1	44
- Recordkeeping	4.4	1	4.4
- Certificate/durability testing ^d	168	1	168
- Selective enforcement audits	115	1	115
- Defect reporting ^e	125	1	125
B. Certification for stationary/non-road use	1	1	1
2. Surveys and studies	N/A		
3. Reporting requirements			
A. Read and understand rule requirement ^f	1	1	1
B. Required activities	See 3D		
C. Gather existing information	See 3D		
D. Write report			
Initial notification			
>3,000 hp, prime ^g	2	1	2
>10 l/cyl, prime ^h	2	1	2
Pre-2007, not certified, prime, >175 hp	N/A		
E. Annual report for emergency stationary CI ICE ⁱ	16	1	16
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
A. Read and understand rule requirement ^j	1	1	1
B. Train personnel	N/A		
C. Recording CDPF corrective action ^k	1	1	1
D. Recording hours in non-emergency operation ^l	0.5	1	0.5
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded)^m			
Total Capital/O&M Costs^m			
Grand Total (Labor and Capital/O&M Costs)^m			

Assumptions:

^a We have assumed that there are 207,240 sources currently subject to the regulations. EPA estimates that approximately 16 used for non-emergency purposes. This means that there are an estimated 32 new non-emergency engines greater than 3,000 with a displacement of 10 liters per cylinder or more are sold in the U.S. each year. Therefore it is estimated that 40 new sou

^b This ICR uses the following labor rates: \$153.55 per hour for Executive, Administrative, and Managerial labor; \$122.20 per hour for States Department of Labor, Bureau of Labor Statistics, June 2014 “Table 2. Civilian Workers, by Occupational and Industry percent to account for the benefit packages available to those employed by private industry.

- ^c We assume that approximately 35 engine families per year will be required to be certified to the emission standards of the certification application. EPA also estimates that approximately 200 engine families currently certified for nonroad use will be required to be certified to the emission standards of the certification application.
- ^d We assume that approximately 35 engine families per year will be required to be certified to the emission standards of the certification application.
- ^e We assume 10% of new respondents will have to conduct defect-reporting. We have assumed that it will take 125 hours for each of the 40 affected facilities to conduct defect-reporting.
- ^f We have assumed that each of the 40 respondents will take one hour to read instructions.
- ^g We have assumed that 80 percent of the 40 affected facilities are required to write the >3,000 hp, prime report.
- ^h We have assumed that 20 percent of the 40 affected facilities will write the 10 l/cyl prime report.
- ⁱ Applies to emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually required to be certified to the emission standards of the certification application under 40 CFR Part 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4211(f)(3)(i). We have assumed 16 hours per year for each of the 40 affected facilities to read rule instructions and that 5% of respondents must submit an annual report.
- ^j We have assumed that on average 27% (or 55,955) of the 207,240 respondents will read rule instructions each year.
- ^k We have assumed that it will take 10% of respondents 1 hour to keep records of corrective actions taken for CI ICE equipment.
- ^l We have assumed that respondents are required to keep the records for the recording hours in non-emergency operation.
- ^m Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Combustion Engines (40 CFR Part 60, Subpart IIII) (Renewal)

(D)	(E)	(F)	(G)	(H)
Respondents per year ^a	Technical person-hours per year (E=CxD)	Management person hours per year (Ex0.05)	Clerical person hours per year (Ex0.1)	Total Cost Per year ^b
35	1,540	77	154	\$209,483.89
35	154	7.7	15.4	\$20,948.39
35	5,880	294	588	\$799,847.58
1	115	5.75	11.5	\$15,643.28
4	500	25	50	\$68,014.25
200	200	10	20	\$27,205.70
40	40	2	4	\$5,441.14
32	64	3.2	6.4	\$8,705.82
8	16	0.8	1.6	\$2,176.46
10,362	165,792	8,289.6	16,579.2	\$22,552,437.07
		200,446		\$23,709,904
55,955	55,955	2,797.7	5,595.5	\$7,611,447.51
20,724	20,724	1,036.20	2,072.4	\$2,819,054.63
207,240	103,620	5181	10362	\$14,095,273.17
		207,344		\$24,525,775
		408,000		\$48,200,000
				\$242,000
				\$48,400,000

0 stationary CI engines greater than 3,000 HP are sold each year, and that 20 percent of these engines are HP sold each year that would have to submit an initial notification. EPA also estimates that 8 engines rces are expected each year over the next three years.

er hour for Technical labor, and \$61.51 per hour for Clerical labor. These rates are from the United y group.” The rates are from column 1, “Total compensation.” The rates have been increased by 110

rule by manufacturers. We have assumed that it will take 44 hours for all affected facilities to complete
will be required to be certified to the stationary CI rule and would have minimal burden.

rule. We have assumed that it will take 168 hours for all affected facilities to complete the certificate/dura
r all affected facilities to complete the defect report.

obligated to be available for more than 15 hours per calendar year for the purposes specified in §
ual report based on ICR 1975.06 (NESHAP For Stationary Reciprocating Internal Combustion Engines

ed with diesel particulate filters.

38

hr/response

Table 2: Average Annual EPA Burden and Cost – NSPS for Stationary Source Compression Ignition Inter

Activity	(A)	(B)	(C)	(D)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year	Plants per year ^a
			(C=AxB)	
Report Review				
1. Initial notification of compliance ^c	2	1	2	40
2. Certification application				
A. Certification for stationary use ^d	2	1	2	35
B. Certification for stationary/non-road use ^e	1	1	1	200
TOTAL ANNUAL BURDEN AND COST (rounded)^f				

Assumptions:

^a We have assumed that there are 207,240 sources currently subject to the regulations, and it is estimated that 40 n

^b This cost is based on the following hourly labor rates: \$69.04 for Managerial (GS-13, Step 5, \$43.15 + 60%), \$5: Clerical (GS-6, Step 3, \$17.33 + 60%). These rates are from the Office of Personnel Management (OPM) “2014 G rates have been increased by 60 percent to account for the benefit packages available to government employees.

^c We have assumed that each of the 40 affected facilities would have to submit the initial notification of complianc

^d We have assumed that it will take 2 hours to review the certification for stationary use report for each respondent

^e We have assumed that it will take one hour one time per year to review the certification for stationary/non-road u

^f Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

nal Combustion Engines (40 CFR Part 60, Subpart IIII) (Renewal)

(E)	(F)	(G)	(H)
Technical person- hours per year	Management person-hours per year	Clerical person-hours per year	Cost, \$ ^b
(E=CxD)	(Ex0.05)	(Ex0.1)	
80	4	8	\$4,596.40
70	3.5	7	\$4,021.85
200	10	20	\$11,491.00
403			\$20,100

ew sources are expected each year over the next three years.

1.23 for Technical (GS-12, Step 1, \$32.02 + 60%) and \$27.73 "General Schedule" which excludes locality rates of pay. These

e report.

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ise for each respondent.

Number of Respondents				
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports	
	(A)	(B)	(C)	(D)
Year	Number of New Respondents ¹	Number of Existing Respondents	Number of Existing Respondents that keep records but do not submit reports	Number of Existing Respondents That Are Also New Respondents
1	40	235	206,925	0
2	40	235	206,965	0
3	40	235	207,005	0
Average	40	235	206,965	0

(E)
Number of Respondents
(E=A+B+C-D)
207,200
207,240
207,280
207,240