

Table 1: Annual Respondent Burden and Cost - NSPS for Small Industrial-Commercial-Institutional Steam Generators

Burden item	(A)	(B)	(C)	(D)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=AxB)	Respondents per year ^a
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting requirements				
A. Familiarize with the regulatory requirements ^c	2	1	2	323
B. Required activities				
Performance test (2.9 - 8.7 MW) ^h	8	2	16	7
Performance test (8.7 – 29 MW) ^h	330	2	660	4
C. Create information	See 3B			
D. Gather existing information	See 3E			
E. Write report				
Notification of construction/reconstruction ^{d, g}	2	1.7	3.4	4
Notification of modification ^{e, g}	2	1.7	3.4	7
Notification of actual startup ^{f, g}	2	1.7	3.4	11
Notification of initial performance test ^g	2	1.7	3.4	11
Notification of demo of CEMS ^g	2	1.7	3.4	11
Semiannual reports	16	2	32	323
Results of performance test	See 3B			
Subtotal for Reporting Requirements				
4. Recordkeeping requirements				
A. Familiarize with the regulatory requirements	See 3A			
B. Plan activities	N/A			
C. Implement activities	N/A			
D. Develop record system	N/A			
E. Check computer system, calibrate continuous monitors	1.5	365	547.5	323
F. Train personnel	N/A			
G. Audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL LABOR BURDEN AND COST (rounded) ⁱ				
TOTAL CAPITAL AND O&M COST (rounded) ⁱ				
GRAND TOTAL (rounded) ⁱ				

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to the rule will be 312. There will be 11 additional respondents.
- ^b This ICR uses the following labor rates: \$148.45 per hour for Executive, Administrative, and Managerial labor; \$121.46 per hour for other labor.
- ^c We have assumed that existing respondents will have to familiarize with the regulatory requirements each year.
- ^d We have assumed that four new respondents will each take two hours to write notification of construction/reconstruction report.
- ^e We have assumed that seven new respondents will each take two hours to write notification of modification report.
- ^f We have assumed that all new respondents will each take 16 hours to write the semiannual report two times per year.

- ^g We have assumed that occurrences/respondents for new facilities are based on an average of 1.7 affected facilities per respor
- ^h This estimate includes performance test (opacity) for coal, wood, and oil-fired steam generating units and test of continuous
- ⁱ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

rating Units (40 CFR Part 60, Subpart Dc) (Renewal)

121.46 148.45 60.23

(E)	(F)	(G)	(H)
Technical person-hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person-hours per year (G=Ex0.1)	Cost (\$)ᵇ
646	32.3	64.6	\$87,148.95
112	5.6	11.2	\$15,109.42
2,640	132	264	\$356,150.52
13.6	0.68	1.36	\$1,834.71
23.8	1.19	2.38	\$3,210.75
37.4	1.87	3.74	\$5,045.47
37.4	1.87	3.74	\$5,045.47
37.4	1.87	3.74	\$5,045.47
10,336	516.8	1033.6	\$1,394,383.25
15,966			\$1,872,974
176,843	8,842.1	17,684	\$23,857,025.88
203,369			\$23,857,026
219,000			\$25,700,000
			\$12,600,000
			\$38,300,000

responses hr/response
721 304

ional new sources per year that will become subject to the rule over the three-year period of this ICR, for a total of 323 responde hour for Technical labor, and \$60.23 per hour for Clerical labor. These rates are from the United States Department of Labor, I

ort.

ident, with an estimated 10 percent retest.
emissions monitor.

ents.

Bureau of Labor Statistics, March 2020, "Table 2. Civilian Workers, by Occupational and Industry group." The rates are

from column 1, "Total Compensation." The rates have been increased by 110 percent to account for the benefit package

es available to those employed by private industry.

Table 2: Average Annual EPA Burden and Cost - NSPS for Small Industrial-Commercial-Institutional Stea

Activity	(A)	(B)	(C)	(D)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year (C=AxB)	Plants per year ^a
Review of notification of construction/reconstruction ^c	2	1.7	3.4	4
Review of notification of modification ^c	2	1.7	3.4	7
Review of notification of actual startup ^c	2	1.7	3.4	11
Review of initial CEMS demonstration ^c	2	1.7	3.4	11
Review of demonstration of monitoring system ^c	2	1.7	3.4	11
Review of semiannual reports ^d	8	2	16	323
TOTAL ANNUAL BURDEN AND COST (rounded) ^e				

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to the rule will be 312. There will be
- ^b The cost is based on the following labor rate which incorporates a 1.6 benefits multiplication factor to account for g
- ^c We have assumed that occurrences/respondent for new facilities are based on an average of 1.7 affected facilities pe
- ^d We have assumed that it will take 8 hours two times per year to review each semiannual report.
- ^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Item Generating Units (40 CFR Part 60, Subpart Dc) (Renewal)

50.72 68.37 27.46

(E)	(F)	(G)	(H)
Technical person-hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person-hours per year (G=Ex0.1)	Cost ^b
13.6	0.68	1.36	\$773.63
23.8	1.19	2.38	\$1,353.85
37.4	1.87	3.74	\$2,127.48
37.4	1.87	3.74	\$2,127.48
37.4	1.87	3.74	\$2,127.48
5,168	258.4	516.8	\$293,979.10
	6,120		\$302,000

11 additional new sources per year that will become subject to the rule over the three-year period of this ICR, for a total of 11 additional new sources per year. Government overhead expenses. Managerial rates of \$68.37 (GS-13, Step 5, \$42.73 × 1.6), Technical rate of \$50.72 (GS-12, Step 5, \$31.70 × 1.6) per respondent.

total of 323 respondents.

GS-12, Step 1, $\$31.70 \times 1.6$), and Clerical rate of $\$27.46$ (GS-6, Step 3, $\$17.16 \times 1.6$). These rates are from the Office of

f Personnel Management (OPM) “2020 General Schedule” which excludes locality rates of pay.

Capital/Startup vs. Operation and Maintenance (O&M) Costs					
(A)	(B)	(C)	(D)	(E)	(F)
Continuous Monitoring Device	Capital/ Startup Cost for One Respondent	Number of New Respondents	Total Capital/ Startup Cost (BxC)	Annual O&M Costs for One Respondent	Number of Respondents with O&M
SO₂ Monitoring					
CEMS, control device inlet and outlet	\$113,592	0	\$0	\$25,900	28
CEMS, control device outlet only ^a	\$73,028	19	\$1,387,532	\$17,100	521.0
PM Monitoring					
COMS for sources burning coal, residual oil, or wood ^b	\$47,033	7	\$329,231	\$9,100	134
TOTAL (rounded)			\$1,720,000		

^a Number of respondents with O&M (521 units) represents an annual average of 323 existing facilities, multiplied by an average of 1.7 facility, less an annual average of 28 units requiring inlet and outlet monitoring [$301 \times 1.7 = 549.1 - 28 = 521.1$, rounded to 521 units]. Number of respondents with capital costs (19 units) represents an average of 11 new facilities per year, multiplied by an average of 1.7 affected units per facility rounded to 19 units].

^b Number of respondents with O&M (134 units) represents an annual average of 129.2 existing affected facilities that require COMS, plus new affected facilities per year that require COMS [$129.2/323 \times 11 = 4.4$ new affected facilities per year that require COMS; $129.2 + 4.4 = 134$ facilities that require COMS] Number of respondents with capital costs (7 units) represents an average of 4.4 new affected facilities COMS, multiplied by an average of 1.7 affected units per facility [$4.4 \times 1.7 = 7.48$, rounded to 7 units].

(G)
Total O&M,
\$725,200
\$8,909,100
\$1,219,400
\$10,900,000

New	Old
323.0	301.0
521.1	485.7
27.9	26.0
129.2	120.4
\$12,620,000	

affected units per
Number of respondents
y [11 x 1.7 = 18.7,

plus an average of 4.4
4 = 133.6, rounded to
; per year that require

2.5
129.2
4.4
133.6

Number of Respondents

Respondents That Submit Reports

Respondents That Do Not Submit Any Reports

(A)

(B)

(C)

Year Number of New Respondents ¹ Number of Existing Respondents Number of Existing Respondents that keep records but do not submit reports

1	11	301	0
2	11	312	0
3	11	323	0
Average	11	312	0

(D) Number of Existing Respondents That Are Also New Respondents	(E) Number of Respondents (E=A+B+C-D)
0	312
0	323
0	334
0	323

Total Annual Responses				
(A) Information Collection Activity	(B) Number of Respondents	(C) Number of Responses	(D) Number of Existing Respondents That Keep Records But Do Not Submit Reports	(E) Total Annual Responses E=(BxC)+D
Notification of construction/ reconstruction	4	1.7	0	6.8
Notification of modification	7	1.7	0	11.9
Notification of actual startup	11	1.7	0	18.7
Notification of initial performance test	11	1.7	0	18.7
Notifications of CEMS demonstration	11	1.7	0	18.7
Semiannual compliance report	323	2	0	646
Total				721