

<b>Number of Respondents</b>					
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports		
Year	(A) Number of New Respondents	(B) Number of Existing Respondents	(C) Number of Existing Respondents that keep records but do not submit reports	(D) Number of Existing Respondents That Are Also New Respondents	(E) Number of Respondents  (E=A+B+C-D)
1	32	532	0	0	564
2	32	564	0	0	596
3	32	596	0	0	628
Average	32	564	0	0	596

<sup>1</sup> New respondents include sources with constructed, reconstructed, and modified affected facilities.

<b>Total Annual Responses</b>				
(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
<b>Notifications</b>				
Gas well completion	300	33	0	9,900
Gas well recompletion	300	4	0	1,200
New gas processing plant	29	1	0	29
New sweetening unit	3	1	0	3
<b>Annual reports</b>				
Gas well completion/recompletion	300	1	0	300
Centrifugal compressor	65	1	0	65
Reciprocating compressor	2,095	1	0	2,095
Sweetening unit	15	1	0	15
Production pneumatic controller	300	1	0	300
Gas processing pneumatic controller	75	1	0	75
Storage vessel	380	1	0	380
<b>Semiannual reports</b>				
Gas processing plant	145	2	0	290
			Total	14,652

**ERG Notes:**

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hrs/response: 6.4

al: 3,230 responses, 21 hrs/response.

**Table 1: Annual Respondent Burden and Cost – NSPS for Oil and Natural Gas Production**

Burden item	A	B	C
	Person-hours per occurrence	Annual occurrences per respondent	Person-hours per respondent per year (AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Acquisition, installation, and utilization of technology and systems	N/A		
4. Report requirements	N/A		
a. Familiarization with the rule requirements <sup>c</sup>	1	1	1
b. Required activities			
i. Notification of gas well completion <sup>d</sup>	0.5	33	17
ii. Notification of gas well recompletion <sup>d</sup>	0.5	4	2
iii. Notification of new gas processing plant <sup>e</sup>	1	1	1
iv. Notification of new sweetening unit <sup>f</sup>	1	1	1
c. Create information	See 4B		
d. Gather existing information	See 4E		
e. Annual reports			
i. Gas well completion/recompletion <sup>d</sup>	16	1	16
ii. Sweetening unit <sup>f</sup>	1	1	1
iii. Centrifugal compressor <sup>g</sup>	8	1	8
iv. Reciprocating compressor <sup>h</sup>	8	1	8
v. Production pneumatic controller <sup>i</sup>	8	1	8
vi. Gas processing pneumatic controller <sup>j</sup>	8	1	8
vii. Storage vessel <sup>k</sup>	8	1	8
f. Semiannual reports			
i. Gas processing plant <sup>l</sup>	40	2	80
<b>Reporting Subtotal</b>			
5. Recordkeeping requirements			
a. Read instructions	See 4A		
b. Plan activities	See 4B		
c. Implement activities			
i. Filing and maintaining records <sup>l</sup>	5	12	60
ii. Filing and maintaining records <sup>m</sup>	5	12	60
d. Record data	N/A		
e. Time to transmit or disclose information			
i. Records required by standards	See 5C		
f. Time to train personnel	See 5C		
g. Time for audits	N/A		
<b>Recordkeeping Subtotal</b>			
<b>TOTAL ANNUAL BURDEN AND COST (ROUNDED)</b>			
<b>TOTAL ANNUAL CAPITAL AND O&amp;M COST (SEE SECTION 6(b)(iii))</b>			
<b>GRAND TOTAL (LABOR, CAPITAL, AND O&amp;M)</b>			

N/A - Not Applicable

**Note:** Totals have been rounded to three significant digits. Figures may not add exactly due to rounding.

**Assumptions:**

a EPA estimates an average of 564 existing sources and 32 new sources will be subject to the standard over the next 10 years. Sources include 136 exploration and production businesses, 136 transmission and storage operations, 116 processing plants and 12 sweetening units. New sources include 32 exploration and production businesses, 136 transmission and storage operations, 116 processing plants and 12 sweetening units.

b This ICR uses the following labor rates: \$103.97 (technical), \$129.93 (managerial), and \$51.79 (clerical). These rates are from the Bureau of Economic Analysis, Bureau of Economic Analysis, June 2014, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column (b) of the table. The rates are for the benefit packages available to those employed by private industry.

c This burden represents the time existing respondents spend re-familiarizing themselves with rule requirements, or the time new respondents spend familiarizing themselves with rule requirements. EPA assumes 9,759 completions and 1,206 recompletions each year performed by 300 operators.

e EPA estimates an average of 116 existing and 29 new processing plants.

f EPA estimates an average of 12 existing and 3 new sweetening units.

g EPA estimates an average of 52 existing and 13 new centrifugal compressors equipped with wet seals at processing plants.

h EPA estimates an average of 1,676 existing and 419 new reciprocating compressors. For existing sources, EPA estimates there will be 1,676 reciprocating compressors at processing plants. For new sources, EPA estimates there will be 419 reciprocating compressors at gathering & processing plants.

i EPA estimates 13,632 pneumatic controllers across the 300 exploration & production sites.

j EPA estimates an average of 60 existing and 15 new pneumatic controllers at affected processing plants.

k EPA estimates an average of 304 existing and 76 new respondents in the production, processing, transmission, or storage operations. EPA estimates that there will be approximately four storage vessels, based on research the Agency conducted during initial rule development.

l Activity applies to exploration & production businesses and transmission & storage operations, for which EPA estimates there will be 136 exploration and production businesses, 136 transmission and storage operations, 116 processing plants and 12 sweetening units.

m Activity applies to gas processing plants and sweetening units. EPA estimates an average of 116 existing and 29 new processing plants.

**1 and Natural Gas Transmission and Distribution (40 CFR Part**

Labor Rates:      \$103.97      \$129.93      \$51.79

<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
<b>Respondents per year <sup>a</sup></b>	<b>Technical hours per year (Cx D)</b>	<b>Management hours per year (Ex0.05)</b>	<b>Clerical hours per year (Ex0.10)</b>	<b>Annual cost (\$) <sup>b</sup></b>
596	596	29.8	59.6	68,924.72
300	4,950	247.5	495	572,445.23
300	600	30	60	69,387.3
29	29	1.45	2.9	3,353.72
3	3	0.15	0.3	346.94
300	4,800	240	480	555,098.4
15	15	0.75	1.5	1,734.68
65	520	26	52	60,135.66
2,095	16,760	838	1,676	1,938,218.58
300	2,400	120	240	277,549.2
75	600	30	60	69,387.3
380	3,040	152	304	351,562.32
145	11,600	580	1,160	1,341,487.8
		<b>52,799</b>		<b>5,309,632</b>
436	26,160	1,308	2,616	3,025,286.28
160	9,600	480	960	1,110,196.8
		<b>41,124</b>		<b>4,135,483</b>
		<b>93,900</b>		<b>9,450,000</b>
				<b>1,750,000</b>
				<b>11,200,000</b>

<b>Source Type</b>	<b>No.</b>
<b>Existing</b>	<b>564</b>
Exploration/production	300
Transmission/storage	136
Processing plants	116
Sweetening units	12
<b>New</b>	<b>32</b>
Processing plants	29
Sweetening units	3

**ERG Notes:**

Prev renewal: 68,906 hrs and \$2,3

at three years. Existing sources comprise 300 exploration and production  
comprise 29 processing plants and 3 sweetening units.

rates are from the United States Department of Labor, Bureau of Labor  
1, "Total compensation." They have been increased by 110 percent to account

r that new respondents spend learning rule requirements.

ing plants.

estimates there are 840 compressors at gathering & boosting stations and 836  
: boosting stations and 209 compressors at processing plants.

storage segment will submit annual reports. EPA anticipates each report will

estimates an average of 300 and 136 sources, respectively.  
new processing plants and 12 existing and 3 new units.

06,573 (3-yr avg). Net increase due to industry growth. Also note that labor rates have nearly doubled since prev IC

R, hence the significant burden increase.

**Table 2: Average Annual EPA Burden and Cost – NSPS for Oil and Natural Gas Producti**

Labor Rates:

Burden item	A	B	C	D
	EPA person-hours per occurrence	Annual occurrences per respondent	EPA person-hours per respondent per year (AxB)	Respondents per year <sup>a</sup>
Review initial notifications				
i. Notification of gas well completion	0.5	33	17	300
ii. Notification of gas well recompletion	0.5	4	2	300
iii. Notification of new gas processing plant	0.5	1	1	29
iv. Notification of new sweetening unit	0.5	1	1	3
Review annual reports				
i. Gas well completion/recompletion	1	1	1	300
ii. Sweetening unit	1	1	1	15
iii. Centrifugal compressor	1	1	1	65
iv. Reciprocating compressor	1	1	1	2,095
v. Production pneumatic controller	1	1	1	300
vi. Gas processing pneumatic controller	1	1	1	75
vii. Storage vessel	1	1	1	380
Review semiannual reports				
i. Gas processing plant	1	2	2	145
<b>TOTAL ANNUAL BURDEN AND COST (ROUNDED)</b>				

**Note:** Totals have been rounded to three significant digits. Figures may not add exactly due to rounding.

**Assumptions:**

a EPA estimates an average of 564 existing sources and 32 new sources will be subject to the standard over the next production businesses, 136 transmission and storage operations, 116 processing plants and 12 sweetening units. Ne

b This ICR uses the following labor rates: \$46.67 (technical), \$62.90 (managerial), and \$25.25 (clerical). These rates are based on the General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for

**on and Natural Gas Transmission and Distribution (40 CFR Part 60, Subpart OOOO) (Renew**

\$46.67                  \$62.90                  \$25.25

<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
<b>Technical hours per year (CxD)</b>	<b>Management hours per year (Ex0.05)</b>	<b>Clerical hours per year (Ex0.10)</b>	<b>Annual cost (\$)<sup>b</sup></b>
4,950	247.5	495	259,083
600	30	60	31,404
14.5	0.73	1.45	759.24
1.5	0.08	0.15	78.82
300	15	30	15,702
15	0.75	1.5	785.1
65	3.25	6.5	3,402.1
2,095	104.75	209.5	109,652.3
300	15	30	15,702
75	3.75	7.5	3,925.5
380	19	38	19,889.2
290	14.5	29	15,178.6
<b>10,400</b>			<b>476,000</b>

*ERG Notes:*

Prev renewal: 9,207 hrs and \$420,919 (3-yr avg

at three years. Existing sources comprise 300 exploration and new sources comprise 29 processing plants and 3 sweetening units.

es are from the Office of Personnel Management (OPM), 2014 the benefit packages available to government employees.

ral)

ξ). Net increase due to industry growth.

<b>Capital/Startup vs. Operation and Maintenance (O&amp;M) Costs</b>				
(A)	(B)	(C)	(D)	(E)
Requirement	Capital/Startup Cost for One Respondent	Number of New Respondents	Total Capital/Startup Cost, (B X C)	Annual O&M Costs for One Respondent <sup>1</sup>
SO <sub>2</sub> CEMS (control outlet)	\$73,000	3	\$219,000	\$17,100
Continuous control device monitoring for centrifugal compressors <sup>2</sup>	N/A	13	\$0	\$804
Continuous control device monitoring for storage vessels <sup>2</sup>	N/A	304	\$0	\$804
Total			\$219,000	

CEM - Continuous Emission Monitoring System

N/A - Not Applicable

Assumptions:

<sup>1</sup> Annual O&M costs for centrifugal compressors and storage vessels were calculated assuming 2 hours per month at \$33.51 per hour

<sup>2</sup> Capital/Startup costs for continuous control device monitoring were included in storage vessel and centrifugal compressor costs

(F)	(G)
Number of Respondents with O&M	Total O&M, (E X F)
15	\$256,500
65	\$52,260
1,520	\$1,222,080
	\$1,530,840

**ERG Notes**

Prev renewal: Cap/Startup = \$219,000; O&M = \$

er hour.

ontrol device costs.

612,336; O&M increase due to industry growth.