

ICR Summary Information

Hours Per Response	27
Number of Respondents	417
Total Estimated Burden Hours	54,300
Total Estimated Costs	\$11,000,000
Annualized Capital O&M	\$3,590,000
Form Number	Not Applicable

Table 1: Annual Respondent Burden and Cost – NSPS for Oil and Natural Gas Production 60, Subpart OOOO) (Renewal)

	A	B	C
Burden item	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 ^c	1	1	1
b. Required activities			
i. Notification of gas well completion ^d	0.5	33	17
ii. Notification of gas well recompletion ^d	0.5	4	2
iii. Notification of new gas processing plant ^e	1	1	1
iv. Notification of new sweetening unit ^f	1	1	1
c. Create information	See 4B		
d. Gather existing information	See 4E		
e. Annual reports			
i. Gas well completion/recompletion ^d	16	1	16
ii. Sweetening unit ^f	1	1	1
iii. Centrifugal compressor ^g	8	1	8
iv. Reciprocating compressor ^h	8	1	8
v. Production pneumatic controller ⁱ	8	1	8
vi. Gas processing pneumatic controller ^j	8	1	8
vii. Storage vessel ^k	8	1	8
f. Semiannual reports			
i. Gas processing plant ^l	40	2	80
Reporting Subtotal			
5. Recordkeeping requirements			
a. Read instructions	See 4A		
b. Plan activities	See 4B		
c. Implement activities			
i. Filing and maintaining records ^m	5	12	60
ii. Filing and maintaining records ⁿ	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		
Recordkeeping Subtotal			
TOTAL LABOR BURDEN AND COST (rounded) ^o			
TOTAL CAPITAL AND O&M COST (rounded) ^o			
GRAND TOTAL (rounded) ^o			

N/A - Not Applicable

a EPA estimates an average of 417 existing sources and no new sources will be subject to the standard over the next 10 years. This number includes 107 exploration and production businesses, 107 transmission and storage operations, 91 processing plants and 9 sweetening units. This number is estimated.

b This ICR uses the following labor rates: Managerial \$172.41 (\$82.10 + 110%); Technical \$141.75 (\$67.50 + 110%). Source: U.S. Department of Labor, Bureau of Labor Statistics, December 2023, "Table 2. Civilian workers by occupational and industry group, 2022." Increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of equipment associated with hiring, training, and equipping their employees.

c This burden represents the time existing respondents spend re-familiarizing themselves with rule requirements, or initial notification and annual reporting for completions and recompletions is required for gas wells that commenced construction before September 18, 2015. New gas wells or gas wells modified after September 18, 2015 and on or before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

e Processing plants that commenced construction, modification or reconstruction after September 18, 2015 and on or after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

f EPA estimates an average of 9 existing sweetening units and no new sweetening units. EPA estimates that 75% of sweetening units that commenced construction, modification or reconstruction after September 18, 2015 and on or after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

g EPA estimates an average of 41 existing and no new centrifugal compressors equipped with wet seals at processing plants. Centrifugal compressors equipped with wet seals at processing plants that commenced construction, modification or reconstruction on or before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities that commence construction, modification or reconstruction after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

h EPA estimates an average of 1,314 existing and no new reciprocating compressors. New reciprocating compressors that commenced construction, modification or reconstruction on or before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities that commence construction, modification or reconstruction after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

i EPA estimates 10,678 pneumatic controllers across the 235 exploration & production sites. EPA estimates that all existing pneumatic controllers will be replaced by 2035.

j EPA estimates an average of 47 existing and no new pneumatic controllers at affected processing plants. EPA estimates that all existing pneumatic controllers will be replaced by 2035.

k EPA estimates an average of 238 existing and no new respondents in the production, processing, transmission, or storage operations. EPA estimates that all existing respondents will be replaced by 2035.

l EPA estimates an average of 91 existing and no new gas processing plants. EPA estimates that 75% of those plants that commenced construction, modification or reconstruction after September 18, 2015 and on or after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb. Activity applies to exploration & production businesses and transmission & storage operations, for which EPA estimates an average of 91 existing and no new gas processing plants. Activity applies to gas processing plants and sweetening units. EPA estimates an average of 91 existing processing plants. Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

1 and Natural Gas Transmission and Distribution (40 CFR Part

D	E	F	G	H
Respondents per year ^a	Technical hours per year (CxD)	Management hours per year (Ex0.05)	Clerical hours per year (Ex0.10)	Annual cost (\$) ^b
417	417	20.9	41.7	\$65,680.21
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
7	7	0.34	0.7	\$1,063.96
31	246	12	25	\$38,746.60
1,314	10,512	526	1,051	\$1,655,708.33
235	1,880	94	188	\$296,112.22
35	282	14	28	\$44,416.83
238	1,904	95	190	\$299,892.38
68	5,460	273	546	\$859,985.49
	23,814			\$3,261,606
342	20,520	1,026	2,052	\$3,232,033.38
100	6,000	300	600	\$945,039.00
	30,498			\$4,177,072
	54,300			\$7,440,000
				\$3,590,000
				\$11,000,000

at three years. Existing sources comprise 235 exploration and production
expected to decrease over time as sources are modified or retired from service.

%); and Clerical \$71.36 (\$33.98 + 110%). These rates are from the United States
industry group.” The rates are from column 1, “Total compensation.” The rates are
employing workers beyond their wages and benefits, including business expenses

r that new respondents spend learning rule requirements.
ced construction, modification or reconstruction after August 23, 2011, and on or
ber 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities that commence

or before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities
part OOOOb.

f those sweetening units will experience one reportable deviation per year.
before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities
part OOOOb.
ng plants. EPA estimates that 75% of those centrifugal compressors will experience
enced construction, modification or reconstruction after September 18, 2015 and on
dification, or reconstruction after December 6, 2022 are subject to 40 CFR 60,

ors that commenced construction, modification or reconstruction after September
construction, modification, or reconstruction after December 6, 2022 are subject to

235 sites will experience one reportable deviation per year.
mates that 75% of those pneumatic controllers will experience one reportable

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

s will experience one reportable deviation per year.
stimates an average of 235 and 107 sources, respectively.
ng plants and 9 existing sweetening units.

Labor Rates:	
Management	\$ 172.41
Technical	\$ 141.75
Clerical	\$ 71.36

Source Type	No.
Existing	417
Exploration/production	235
Transmission/storage	107
Processing plants	91
Sweetening units	9
New	0
Processing plants	0
Sweetening units	0

Updated using ratios from previous ICR.

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

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 ^a
Review initial notifications ^c				
i. Notification of gas well completion	0.5	33	17	0
ii. Notification of gas well recompletion	0.5	4	2	0
iii. Notification of new gas processing plant	0.5	1	1	0
iv. Notification of new sweetening unit	0.5	1	1	0
Review annual reports				
i. Gas well completion/recompletion	1	1	1	0
ii. Sweetening unit	1	1	1	7
iii. Centrifugal compressor	1	1	1	31
iv. Reciprocating compressor	1	1	1	1,314
v. Production pneumatic controller	1	1	1	235
vi. Gas processing pneumatic controller	1	1	1	35
vii. Storage vessel	1	1	1	238
Review semiannual reports				
i. Gas processing plant	1	2	2	68
TOTAL (rounded) ^c				

Assumptions:

a EPA estimates an average of 417 existing sources and no new sources will be subject to the standard over the next 10 years. This includes 107 production businesses, 107 transmission and storage operations, 91 processing plants and 9 sweetening units. This number includes sources that are retired from service.

b This cost is based on the average hourly labor rate as follows: Managerial \$76.91 (GS-13, Step 5, \$48.07 + 60%); 1 (GS-6, Step 3, \$19.30+ 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, and Clerical Office of Personnel Management (OPM), 2024 General Schedule, which excludes locality, rates of pay. The rates have been adjusted to reflect the rates available to government employees.

c Initial notification is required for these source categories that commenced construction, modification or reconstruction of gas wells or gas wells constructed, modified, or reconstructed after September 18, 2015 and on or before December 6, 2022. Sources that commence construction, modification, or reconstruction after December 6, 2022 are subject to 40 CFR 60, Subpart O.

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

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

E	F	G	H
Technical hours per year (CxD)	Management hours per year (Ex0.05)	Clerical hours per year (Ex0.10)	Annual cost (\$) ^b
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
7	0.34	0.7	\$432.37
31	1.54	3.1	\$1,968.45
1,314	65.70	131.4	\$84,100.60
235	12	24	\$15,040.82
35	1.76	3.5	\$2,256.09
238	12	24	\$15,232.83
137	6.8	14	\$8,736.86
2,300			\$128,000

Labor Rates:	
Management	\$ 76.91
Technical	\$ 57.07
Clerical	\$ 30.88

three years. Existing sources comprise 235 exploration and
umber is expected to decrease over time as sources are modified or

Technical \$57.07 (GS-12, Step 1, \$35.67 + 60%); and Clerical \$30.88
hours are 10 percent of Technical hours. These rates are from the
re been increased by 60 percent to account for the benefit packages

on after August 23, 2011, and on or before September 18, 2015. New
, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities that
OOOb

val)

Capital/Startup vs. Operation and Maintenance (O&M) Costs				
(A)	(B)	(C)	(D)	(E)
Requirement	Capital/Startup Cost for One Respondent ³	Number of New Respondents	Total Capital/Startup Cost, (B X C)	Annual O&M Costs for One Respondent ^{1,3}
SO ₂ CEMS (control outlet)	\$99,635	0	\$0	\$23,339
Continuous control device monitoring for centrifugal compressors ²	N/A	0	\$0	\$3,402
Continuous control device monitoring for storage vessels ²	N/A	0	\$0	\$3,402
Total (rounded) ⁴			\$0	

CEM - Continuous Emission Monitoring System

N/A - Not Applicable

Assumptions:

¹ Annual O&M costs for centrifugal compressors and storage vessels were calculated assuming 2 hours per month at \$141.75 per hour.

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

³ Capital/Startup and Annual O&M costs have been updated from 2012 to 2023 using the CEPCI Index.

⁴ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

(F)	(G)
Number of Respondents with O&M	Total O&M, (E X F)
9	\$210,053
41	\$139,482
952	\$3,238,704
	\$3,590,000

CEPCI Index 2012	CEPCI Index 2023
584.6	797.9

per hour.

ontrol device costs.

Number of Respondents					
	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	0	417	0	0	417
2	0	417	0	0	417
3	0	417	0	0	417
Average	0	417	0	0	417

¹ New respondents include sources with constructed, reconstructed, and modified affected facilities. Facilities that commence construction, modification, or reconstruction after September 18, 2015 and on or before December 6, 2022 are subject to 40 CFR 60, Subpart OOOOa. Facilities that commence construction, modification, or reconstruction after December 6, 2022 are subject to 40 CFR 60, Subpart OOOOb.

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
Notifications ^a				
Gas well completion	0	33	0	0
Gas well recompletion	0	4	0	0
New gas processing plant	0	1	0	0
New sweetening unit	0	1	0	0
Annual reports				
Gas well completion/recompletion	0	1	0	0
Sweetening unit	7	1	0	7
Centrifugal compressor	31	1	0	31
Reciprocating compressor	1,314	1	0	1,314
Production pneumatic controller	235	1	0	235
Gas processing pneumatic controller	35	1	0	35
Storage vessel	238	1	0	238
Semiannual reports				
Gas processing plant	68	2	0	137
			Total	1,996

Footnotes:

a These notifications are initial notifications for sources constructed, modified or re-constructed after August 2011 and prior to September 2015.