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Segment	RY2023 facilities	Change in Facility Count Due to GWP Changes (ICR No. 2773.02)
Onshore Production	445	40
Offshore Production	109	7
Gathering and Boosting	349	0
Natural Gas Processing	445	0
Natural Gas Transmission Compression	653	130
Natural Gas Transmission Pipeline	42	1
Underground Natural Gas Storage	51	9
LNG Import/Export	13	0
LNG Storage	6	1
Natural Gas Distribution	157	0
Total	2245	188

Total number is smaller than the sum of facilities from each segment b/c some facilities re RY2023 reporters taken from the PNGS sector summary for 2023, less "Other Oil and Gas Changes in reporters are taken from the impacts analysis of the 2024 Subpart W rule

	Technician (\$/hr)	Engineer (\$/hr)
(	\$49.49	\$81.44
(	\$79.83	\$131.28

Wages & Salaries (2024\$)

Loaded Hourly Rates for Renewal ICR (2024\$)

**Table 5. Average Per Respo** (from OMB No. 2060-0629, ICF

Change in Facility Due to SubW Rule Changes (ICR No. 2774.02)	Total Projected Facilities
269	754
0	116
0	349
53	498
234	1017
3	46
7	67
0	13
1	8
0	157
567	3000

Technician (hrs/respondent)	Engineer (hrs/respondent)
12.1	251.4
2	25.5
4.7	82.2
3.1	58.2
3	58.6
3	53
3.4	54.9
3.5	56
3.4	53.3
3.4	55

port under multiple segments Combustion" reporters that do not report to W

Middle Manager (\$/hr)	Senior Manager (\$/hr)	Lawyer (\$/hr)
\$93.71	\$87.50	\$104.35
\$151.15	\$141.14	\$166.96

# ondent Burden Programmatic ICR 2024 renewal

₹ No. 2300.20)

Middle Manager (hrs/respondent)	Senior Manager (hrs/respondent)	Lawyer (hrs/respondent)	O&M / respondent (2021\$)
24.2	10.6	2	\$182.00
2.6	0.3	2	\$55.00
7.3	2.2	2	\$203.00
4.9	1	2	\$23,648.00
5	1	2	\$16,305.00
4.4	0.7	2	\$55.00
4.6	0.8	2	\$30,536.00
4.7	0.9	2	\$21,640.00
4.4	0.7	2	\$6,111.00
4.6	0.8	2	\$7,091.00

**Table 6. Av** (from OMB N

Technician (hrs/respondent)
1657.7
0.0
227.7
121.3
9.0
5.9
17.4
34.9
0.0
0.0

# erage Per Respondent 2024 Subpart W ICR-New Provisions Only Combined La

lo. 2060-0751, ICR No, 2774.02)

Engineer (hrs/respondent)	Middle Manager (hrs/respondent)	Senior Manager (hrs/respondent)	Lawyer (hrs/respondent)	O&M / respondent (2021\$)
296.8	29.7	11.0	0.0	\$4,722
0.2	0.0	0.0	0.0	\$0
87.7	8.8	2.6	0.0	\$3,656
93.3	9.3	4.7	0.0	\$2,641
11.2	1.1	0.6	0.0	\$1,555
6.1	0.6	0.3	0.0	\$0
18.6	1.9	0.9	0.0	\$1,871
14.1	1.4	0.7	0.0	\$2,395
24.5	2.5	1.2	0.0	\$2,570
8.2	0.8	0.4	0.0	\$0

Technician (hrs/respondent)
1,669.8
2.0
232.4
124.4
12.0
8.9
20.8
38.4
3.4
3.4

## abor / Respondent (ICR No. 2300.20 and 2774.02)

# Total hours for all respondents

Engineer (hrs/responde	ent)	Middle Manager (hrs/respondent)	Senior Manager (hrs/respondent)	Lawyer (hrs/respondent)
548	.2	53.9	21.6	2.0
25	.7	2.6	0.3	2.0
169	.9	16.1	4.8	2.0
151	.5	14.2	5.7	2.0
69	.8	6.1	1.6	2.0
59	.1	5.0	1.0	2.0
73	.5	6.5	1.7	2.0
70	.1	6.1	1.6	2.0
77	.8	6.9	1.9	2.0
63	.2	5.4	1.2	2.0

Technician	Engineer
1,259,064	413,324
232	2,982
81,108	59,301
61,950	75,441
12,217	70,997
410	2,718
1,397	4,927
499	912
27	623
534	9,923

Table 7. Combined Labor and O&M

Middle Manager	Senior Manager	Lawyer	Labor Cost (2024\$)	O&M / respondent (2024\$)
40,624	16,293	1,508	\$163,461,313	\$5,514
304	36	232	\$499,804	\$62
5,609	1,682	698	\$15,461,593	\$4,340
7,086	2,821	996	\$16,484,769	\$29,564
6,225	1,587	2,034	\$11,800,398	\$20,085
230	46	92	\$446,259	\$62
433	116	134	\$862,576	\$36,444
79	21	26	\$178,876	\$27,030
55	15	16	\$97,054	\$9,763
851	190	314	\$1,553,127	\$7,974
		2,148,942	\$210,845,768	

#### I Costs for Subpart W

O&M Total (2024\$)	Total Respondent Cost (Subpart W) (2024\$)
\$4,157,910	\$167,619,223
\$7,175	\$506,979
\$1,514,681	\$16,976,274
\$14,722,629	\$31,207,398
\$20,426,896	\$32,227,294
\$2,845	\$449,104
\$2,441,743	\$3,304,319
\$351,386	\$530,262
\$78,102	\$175,156
\$1,251,976	\$2,805,103
\$44,955,344	\$255,801,112

Exhibit 12.1a. Summary of Annual Respondent Burden and Cost of Final Revi

Year	Number of Respondents	Total Labor Hours
1	0	0
2	0	0
3	0	0
Total	0	0
3-Yr Annual Average	0	0

Exhibit 12.1b. Summary of Reduced Annual Respondent Burden and Cost of

Year	Number of Respondents	Total Labor Hours
1	(8,971)	(2,596,244)
2	(8,971)	(2,596,244)
3	(8,971)	(2,596,244)
Total (rounded)	(26,900)	(7,790,000)
3-Yr Annual Average (rounded)	(8,970)	(2,600,000)

## isions for the Greenhouse Gas Reporting Rule

Labor Costs	Non-Labor Costs (Annualized Capital/Startup and O&M)	Total Costs
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0

## Final Revisions for the Greenhouse Gas Reporting Rule

Labor Costs	Non-Labor Costs (Annualized Capital/Startup and O&M)	Total Costs
(\$247,693,715)	(\$54,990,106)	(\$302,683,821)
(\$247,693,715)	(\$54,990,106)	(\$302,683,821)
(\$247,693,715)	(\$54,990,106)	(\$302,683,821)
(\$743,000,000)	(\$165,000,000)	(\$908,000,000)
(\$248,000,000)	(\$55,000,000)	(\$303,000,000)

Exhibit 12.2. Annual Burden Reduction Over the First Three Years of the Information Colle

Source Category	Number of Respondents (from 2023, except for new subparts, and corrected for changes to applicability in 2024 final rule)	Total Burden Reduced (hrs)
C. Stationary Combustion (C only)	1,813	76,007
C -plus at least one other subpart - all tiers	3,587	155,900
D. Electricity Generation	1,086	4,996
E. Adipic Acid Prod.	2	44
F. Aluminum Production	7	446
G. Ammonia Manufacturing	29	1,237
H. Cement Production	90	2,209
I. Electronics Manufacturing	47	11,454
K. Ferroalloy Production	8	316
L. Fluorinated Greenhouse Gas Prod	15	12,594
N. Glass Production	102	4,940
O. HCFC-22 Production and HFC- 23 Destruction	5	570
P. Hydrogen Production	115	4,900
Q. Iron and Steel Production	121	2,934
R. Lead Production	11	273
S. Lime Manufacturing	68	1,910
T. Magnesium Production	8	144
U. Misc. Uses of Carbonate	6	54
V. Nitric Acid Production	28	907
W. Petroleum and Natural Gas Systems	3,000	2,148,942
X. Petrochemical Prod.	74	11,065
Y. Petroleum Refineries	122	6,726
Z. Phosphoric Acid Prod	9	90

AA. Pulp & Paper Manufacturing	98	2,785
BB. Silicon Carbide Production	1	16
CC. Soda Ash Manufacturing	4	37
DD. Sulfur Hexafluoride (SF6) from Electric Power Systems	82	3,652
EE. Titanium Dioxide Production	6	92
FF. Underground Coal Mines	58	4,023
GG. Zinc Production	6	191
HH. Landfills	1,131	74,147
II. Wastewater	120	3,841
LL. Suppliers of Coal-based Liquid Fuels	1	22
MM. Suppliers of Petrol. Prod.	274	10,576
NN. Supplies of Nat Gas and Nat Gas Liquids	522	8,786
OO. Suppliers of Industrial GHG	150	14,309
PP. Suppliers of CO2	160	2,095
QQ - Imports and Exports of Fluorinated GHGs in Products	57	3,653
RR. Geologic Sequestration of Carbon Dioxide	19	7,820
SS - SF6 Equipment Producers	5	240
TT -Industrial Landfills	162	8,812
UU. Injection of Carbon Dioxide	79	1,003
VV. Geologic Sequestration of CO2 with EOR	2	27
WW. Coke Calciners	15	504
XX. Calcium Carbide	1	38
YY. Caprolactam, Glyoxal, and Glyoxalic Acid Production	6	166
ZZ. Ceramics Production	25	753
Totals	8,971	2,596,244
Totals (Rounded)	•	2,600,000

Note: The total number of respondents is less than the sum of the respondents for each sul

## ection, by Source Category

	by Source Category				
Total	Reduced Labor Cost (\$/year)	То	tal Reduced O&M Cost (\$/year)		
\$	6,200,357	\$	2,151,529	\$	8,351,887
\$	12,723,325	\$	3,878,496	\$	16,601,821
\$	387,166	\$	67,171	\$	454,336
\$	3,660	\$	6,880	\$	10,541
\$	37,440	\$	5,028	\$	42,468
\$	102,205	\$	160,854	\$	263,059
\$	172,971	\$	5,567	\$	178,537
\$	939,466	\$	299,345	\$	1,238,810
\$	26,618	\$	495	\$	27,113
\$	1,006,509	\$	928	\$	1,007,437
\$	406,936	\$	12,930	\$	419,867
\$	46,027	\$	309	\$	46,336
\$	398,516	\$	58,907	\$	457,422
\$	245,313	\$	143,056	\$	388,369
\$	23,229	\$	14,350	\$	37,579
\$	161,542	\$	4,206	\$	165,748
\$	11,931	\$	495	\$	12,426
\$	4,197	\$	371	\$	4,568
\$	75,317	\$	258,224	\$	333,542
\$	210,845,768	\$	44,955,344	\$	255,801,112
\$	892,178	\$	145,728	\$	1,037,906
\$	553,408	\$	3,522	\$	556,931
\$	7,555	\$	557	\$	8,111

260,894	\$ \$ 29,426	231,469	\$
1,462	\$ \$ 285	1,178	\$
5,361	\$ \$ 2,506	2,855	\$
421,729	\$ \$ 130,545	291,184	\$
9,973	\$ \$ 3,043	6,929	\$
384,615	\$ \$ 55,429	329,186	\$
26,561	\$ \$ 10,438	16,122	\$
8,212,996	\$ \$ 2,243,666	5,969,330	\$ \$
509,142	\$ \$ 186,768	322,374	\$
1,886	\$ \$ 62		\$
893,462	\$ \$ 16,947	876,515	\$
767,574	\$ \$ 32,287	735,287	\$
1,197,038	\$ \$ 9,380	1,187,658	\$
178,515	\$ \$ 9,896	168,618	\$
300,302	\$ \$ 3,526	296,777	\$
1,084,939	\$ \$ 41,974	1,042,965	\$
19,916	\$ \$ 309	19,607	\$
726,238	\$ \$ 10,088	716,150	\$
85,514	\$ \$ 4,759	80,755	\$
2,224	\$ \$ 140	2,084	\$
64,597	\$ \$ 22,097	42,500	\$
3,270	\$ \$ 70		\$
14,167	\$ \$ 421		\$
65,521	\$ \$ 1,754		\$
\$302,683,821	\$54,990,106	\$247,693,715	
\$303,000,000	\$55,000,000	\$248,000,000	

opart because many respondents report under multiple subparts.

**Exhibit 12.3 Bottom Line Annual Burden and Cost** 

	Year 1 (2026)	Year 2 (2027)
Respondent Costs		
Number of Respondents	8,971	8,971
Total Respondent Labor Hours	(2,596,244)	(2,596,244)
Total Respondent Labor Costs	(\$247,693,715)	(\$247,693,715)
Non-labor (Capital and O&M) Costs	(\$54,990,106)	(\$54,990,106)
Total Respondent Costs	(\$302,683,821)	(\$302,683,821)
Agency Costs		0
Total Agency Burden Hours	(10,400)	(10,400)
Total Agency Labor Costs	(\$705,744)	(\$705,744)
Total Agency Non-Labor Costs	(\$3,900,000)	(\$3,900,000)
Total Burden Hours (Respondents + Agency)	(2,606,644)	(2,606,644)
Bottom Line Costs (Respondents + Agency)	(\$307,289,565)	(\$307,289,565)

Year 3 (2028)	Total	Annual Average
8,971	(N/A)	8,971
(2,596,244)	(7,788,733)	(2,596,244)
(\$247,693,715)	(\$743,081,144)	(\$247,693,715)
(\$54,990,106)	(\$164,970,318)	(\$54,990,106)
(\$302,683,821)	(\$908,051,463)	(\$302,683,821)
0		
(10,400)	(31,200)	(10,400)
(\$705,744)	(\$2,117,232)	(\$705,744)
(\$3,900,000)	(\$11,700,000)	(\$3,900,000)
(2,606,644)	(7,819,933)	(2,606,644)
(\$307,289,565)	(\$921,868,695)	(\$307,289,565)

(\$58,890,106) Annual non-labor cost



Exhibit 14.1 Annual Agency Burden and Cost Reduction

Information Collection Activity	Annual Responses	Total Annual Burden (hrs)¹
Developing Guidance, Conducting Training, Audits, and General Oversight	1	(10,400)

#### **Totals (Rounded)**

<sup>1</sup>10,400 hours is calculated based on a reduction of five FTEs working 80 hours

<sup>2</sup>The labor cost is based on the hour compensation at GS-13 step 1 on the 2024

 $^3$ Non-labor costs cover the development of guidance, training, responding to st the current GHGRP, and we assumed they would be reduced by 5/12 of the cul

<sup>4</sup>Total Annual Cost = Labor Cost + Non-Labor Cost: \$705,744 + \$3,900,000 = \$4,

Labor Cost	bor Cost (2024\$)² (		bor Cost	Total Annual Cost (2024\$)⁴
\$	(705,744) (706,000)	\$	(3,936,017)	

per two-week pay period, for 26 pay periods per year (5 x 80 x 26 = 10,400).

l pay scale: \$42.21 x 1.6 to account for overhead and benefits = \$67.86. 10,400 x \$67.86 = \$705,74

takeholders, communications and outreach, database maintenance, and other contractor support. rrent amount, and were then scaled from 2021\$ to 2024\$ using the CEPCI.

,641,761. These costs are negative because they result from a reduction in burden and associated I

4.

Non-labor costs for the GHGRP were estimated to be \$8,400,000 (2021\$) in non-labor costs.

Subpart (1)	ICR Labor Category	BLS Citation
	Technical(2)	SOC 17-2112 (Industrial Engineer), top-level
All	Managerial(2)	SOC 11-3051 (Industrial Production Manager), top-level
	Administrative Support (3)	Office and Administrative Support
	Legal(2)	SOC 23-1011 (Lawyer)
	Legal(2)	SOC 23-1011 (Lawyer)
W/RR	Middle Manager(6)	NAICS 211100 (Oil and Gas Extraction); SOC 11-1021 (General and Operations Managers)
	Senior Manager(6)	NAICS 211100 (Oil and Gas Extraction); SOC 11-3051 (Industrial Production managers)
	Engineers(6)	NAICS 211100 (Oil and Gas Extraction); SOC 17-2112 (Industrial Engineers)
	Technicians(6)	NAICS 211100 (Oil and Gas Extraction); SOC 17-3024 (Electro- Mechanical and Mechatronics Technologists and Technicians)

- (1) Technical, Managerial, Administrative Support, and Legal are used for all subpa
- (2) The base hourly wages & salaries (not including benefits & overhead) for all cat Employment and Wage Statistics, Cross-industry, Private, Federal, State, and Local  ${\sf G}$
- U.S. Bureau of Labor Statistics (BLS) Occupational Employment and Wage Statisti Engineering Occupations. Wages found under Major Occupation Group 17-0000 Arcl
- (3) The base hourly wages & salaries (not including benefits & overhead) for admin
- BLS's "Employer Costs for Employee Compensation March 2024, page 7: Table 4. wages and salaries.
- (4) The benefits loading factor is calculated using data from: BLS's "Employer Costs industry group: To calculate the benefits loading factor for Technical, Managerial, L $\epsilon$  benefits" to "wages and salaries" in the first row, (29.7/70.3) = 0.4225, rounded to 0.4
- (5) The overhead loading factor of 17 % (0.17) is from EPA-HQ-OPPT-2010-0572-Program," Analytical Support Branch, Environmental Analysis Division, Office of Er

- (6) The mean hourly wage and salaries for middle manager, senior manager, engine Labor Statistics Occupational Employment and Wage Statistics May 2024 National Employment (Senior May 2024 National Employment) (Senior
- (7) The loaded hourly rate = Wages & Salaries + (Wages & Salaries \* Benefits Load

Labor Rates for the 2025 Proposed Reconsideration			
Mean Hourly Wage & Salaries (2024\$)	Benefits Loading Factor (4)	Overhead Loading Factor (5)	Loaded Hourly Rates Used in ICRs (2024\$)(7)
\$ 51.87	0.423	0.17	\$82.63
\$ 62.11	0.423	0.17	\$98.94
\$ 23.12	0.423	0.17	\$36.83
\$ 87.86	0.423	0.17	\$139.96
\$ 104.35	0.423	0.17	\$166.96
\$ 93.71	0.423	0.17	\$151.15
\$ 87.50	0.423	0.17	\$141.14
\$ 81.44	0.423	0.17	\$131.28
\$ 49.49	0.423	0.17	\$79.83

rts. In addition to these rates, specialized rates are used for subparts W and RR.

 $egories\ except\ administrative\ support\ are\ from:\ https://www.bls.gov/oes/tables.htm,\ National\ Occupational\ Fovernment\ Period:\ May\ 2024:\ https://data.bls.gov/oes/#/industry/000000$ 

cs - May 2024 National Occupational Employment and Wage Estimates – United States. 17-0000 Architecture and hitecture and Engineering Occupations.

listrative support are from https://www.bls.gov/web/ecec/ececqrtn.pdf.

Private Industry workers, by occupational and industry group: Office and administrative support occupations –

s for Employee Compensation – March 2024, page 7: Table 4. Private Industry workers, by occupational and egal, Middle Manager, Senior Manager, Engineers, and Technicians, we used the ratio of the percentage of "total 123.

0061\_content.pdf: Rice, Cody 2002. "Wage Rates for Economic Analyses of the Toxics Release Inventory represental Information, U.S. EPA, April 11, 2002, page 3.

eer, and technician, for subparts W and RR, are from https://data.bls.gov/oes/#/industry/211000. U.S. Bureau of al Industry-Specific Occupational Employment and Wage Estimates – NAICS 211100 – Oil and Gas Extraction.

ding Factor) + (Wages & Salaries \* Overhead Loading Factor).

### Chemical Engine

enemiear Engine
2021
2022
2023
2024

#### ering Plant Cost Index (CEPCI)

708	
816	
797.9	Ratio to scale 2021\$ to 2024\$
796.2	1.124576