

**2018 SO<sub>2</sub> EMISSIONS  
EVALUATION FOR NON-  
UTILITY SOURCES**

**DRAFT REPORT - ADDENDUM**

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## **CHAPTER III. REVISED 2018 EMISSION FORECASTS**

This chapter presents a comparison of the 2018 facility-level SO<sub>2</sub> emission forecasts from Pechan with baseline SO<sub>2</sub> emissions and previous 2018 forecasts from ERG.

Table III-2. Facility-Level SO<sub>2</sub> Emissions Data – New Mexico

State County FIPS	State Facility Identifier	SIC Primary	NAICS Primary	Facility Name	City	Sector	Base Year Emissions	2018 Emissions (ERG)	2018 Emissions (Pechan)
35015	350150024	1311	211111	Agave Energy-Yates Gas Plant	Artesia	Oil/Gas	2,099	2,842	2,842
35015	350150011	1321	211112	Duke Energy-Artesia Gas Plant	Artesia	Oil/Gas	838	1,134	1,134
35015	350150010	2911	32411	Navajo Refining-Artesia	Artesia	Refining	1,975	1,159	1,171
35031	350310008	2911	32411	Giant Refining Ciniza	Gallup	Refining	1,102	1,289	996
35015	350150285	1321	211112	Duke Energy-Dagger Draw Gas Plant	Artesia	Oil/Gas	170	230	230
35025	350250007	1311	211111	JL Davis-Denton Plant	Lovington	Oil/Gas	295	399	399
35015	350150002	1321	211112	BP America-Empire Abo Plant	Artesia	Oil/Gas	465	0	630
35025	350250044	1321	211112	Duke Energy-Eunice Gas Plant	Eunice	Oil/Gas	1,330	1,801	1,801
35025	350250060	1321	211112	Dynegy-Eunice Gas Plant	Eunice	Oil/Gas	704	532	953
35015	350150008	1311	211111	Marathon-Indian Basin Gas Plant	Carlsbad	Oil/Gas	2,040	2,762	2,794
35025	350250008	1321	211112	Sid Richardson-Jal No. 3	Jal	Oil/Gas	1,206	1,633	1,633
35025	350250035	1321	211112	Duke Energy-Linam Ranch Gas Plant	Hobbs	Oil/Gas	931	1,260	1,261
35025	350250004	1321	211112	Frontier-Maljamar Gas Plant	Maljamar	Oil/Gas	2,491	3,373	3,373
35025	350250061	1321	211112	Dynegy-Monument Plant	Monument	Oil/Gas	856	1,135	1,159
35045	350450023	2911	32411	Giant Refining-San Juan Refinery (Bloomfield)	Bloomfield	Refining	560	441	476
35045	350450247	1321	211112	Western Gas Resources-San Juan River Gas Plant	Kirtland	Oil/Gas	504	760	735
35025	350250063	1321	211112	Dynegy-Saunders Plant	Lovington	Oil/Gas	271	367	378
<b>TOTAL</b>							<b>17,837</b>	<b>21,119</b>	<b>21,965</b>

Table III-5. Facility-Level SO<sub>2</sub> Emissions Data – Wyoming

State County FIPS	State Facility Identifier	SIC Primary	NAICS Primary	Facility Name	City	Sector	Base Year Emissions	2018 Emissions (ERG)	2018 Emissions (Pechan)
56041	5604100012	1311	211111	BP America - Whitney Canyon	Evanston	Oil/Gas	6,291	9,172	9,172
56013	56003-00012(?)	1311		Burlington Resources - Bighorn Wells		Oil/Gas	2,163	3,284	3,154
56013	5601300028	1311	211111	Burlington Resources_Lost Cabin	Lost Cabin	Oil/Gas	2,174	3,170	3,170
56029	3	3275		Celotex Corp.	Cody	Gypsum	299	391	391
56037	0	1311		Chevron USA - Table Rock Field		Oil/Gas	150	232	219
56041	0	1311		Chevron USA - Whitney Canyon/Carter Creek Wellfield		Oil/Gas	812	876	1,184
56023	5602300013	1311	211111	Exxon Shute Creek I	Kemmerer	Oil/Gas	1,818	2,722	2,651
56037	5603700048	2812	327999	FMC Corp_Green River Plant_Sodium Prod		Lime	5,258	3,612	3,555
56021	5602100001	2911	324110	Frontier Refining, Inc.	Cheyenne	Refining	1,494	1,964	1,564
56037	5603700002	1474	327999	General Chemical		Nonmetallic Minerals	4,965	3,411	3,620
56017	9	4922		Hallwood Petroleum-Federal Packsaddle 1-24		Oil/Gas	141	206	206
56017	8	4922		Hallwood Petroleum-Federal Packsaddle #1		Oil/Gas	971	1,416	1,416
56043	5604300003	1321	48621	Hiland Partners, Llc_Hiland Gas Plant		Oil/Gas	264	385	385
56029	5602900012	1311	211111	Howell Pet Corp_Elk Basin Gas Plant	Powell	Oil/Gas	1,465	2,258	2,136
56017	6	1311	211111	KCS Mountain Resrcs_Golden Eagle Flare	Unk	Oil/Gas	360	525	525
56029	5602900007	1321	211112	Marathon Oil Co _ Oregon Basin Gas Plant	Cody	Oil/Gas	300	456	438
56001	5600100002	3241	23571	Mountain Cement Co		Cement	207	316	314
56037	5603700003	3312	331111	P4 Production_Rock Springs Facility		Comm. Fuel Combust	859	1,008	1,008
56013	11	1311	211111	Santa Fe Snyder_Riverton Plant		Oil/Gas	193	258	269
56037	5603700022	2874	325312	SF Phosphates, Inc	Rock Springs	Chemicals	2,015	3,129	2,015
56007	5600700001	2911	324110	Sinclair Oil Corp-Sinclair Refinery	Sinclair	Refining	3,455	4,703	3,209
56025	5602500005	2911	324110	Sinclair Refinery - Casper	Casper	Refining	1,081	1,389	1,165
56037	5603700008	1321	211112	Union Pac_Brady	Rock Springs	Oil/Gas	144	222	210
56001	5600100005	8221	221112	Univ Of Wyoming—Heat Plant		Misc.	188	189	189
56045	5604500001	2911	324110	Wyoming Refining Co_Newcastle Refinery	Newcastle	Refining	778	391	705
<b>TOTAL</b>							<b>37,847</b>	<b>45,685</b>	<b>42,868</b>

## CHAPTER IV. SUMMARY OF FINDINGS

(Note: This chapter will be completed once the future projected emissions are reviewed by the Stationary Sources Joint Forum and revised by Pechan.)

**Table IV-1. State-Level Emission Comparisons**

<b>State</b>	<b>Base Year Emissions</b>	<b>2018 Emissions (ERG)</b>	<b>2018 Emissions (Pechan)</b>
Arizona	27,970	47,170	33,814
New Mexico	17,837	21,119	21,965
Oregon	5,301	5,979	4,503
Utah	9,597	10,176	9,314
Wyoming	37,847	45,685	42,868
5 State Total	98,551	130,129	112,464

**Table IV-2. Sector-Level Emission Comparisons**

<b>Sector</b>	<b>Base Year Emissions</b>	<b>2018 Emissions (ERG)</b>	<b>2018 Emissions (Pechan)</b>
Cogeneration	1,013	704	704
Copper	28,969	47,944	33,916
Wood/Paper/Pulp	5,897	6,247	4,708
Cement	642	909	937
Chemicals/Plastics	2,015	3,129	2,015
Oil and Gas	32,900	45,529	46,574
Refining	13,222	14,308	12,099
Food	813	595	595
Glass	109	180	180
Metals/Mining/Minerals	11,780	9,289	9,442
Miscellaneous	1,189	1,294	1,294
Subtotal	98,551	130,129	112,464