

SB 1530: Potentially Covered Entities

The following tables show entities that have the potential to be covered by the greenhouse gas (GHG) program as proposed in SB 1530. The tables show emissions reported to the Oregon Department of Environmental Quality (DEQ) under the mandatory greenhouse gas reporting requirement for the 2017 emissions year. Please note important assumptions and caveats described in advance of each of the tables.

Natural Gas

Natural gas pipelines and utilities annually report to DEQ the total volume of natural gas imported and supplied to end users in Oregon. The table below lists the total volume of natural gas reported in 2017 and the associated emissions from the combustion of that gas. LC19 would cover all GHG emissions from natural gas combustion. Nearly all of this gas would be regulated at the gas suppliers (gas marketers or gas utilities). However, a few large industrial facilities would be directly regulated for the gas they receive directly from connections to interstate pipelines (see separate section below).

Quantity and emissions reported by natural gas suppliers

Natural Gas Supplier	Quantity (Mscf)	Emissions (MTCO ₂ e)
Marketers or Large Facilities	169,889,941	9,415,024
Avista Utilities	8,625,214	470,038
Cascade Natural Gas	8,265,845	472,406
Northwest Natural Gas	69,929,402	3,998,978
Total	256,710,402	14,356,446

Electricity

SB 1530 would cover emissions from electricity generated in Oregon as well as emissions from imported electricity serving Oregonians. Electricity generated at facilities in Oregon would be covered at the electricity generation facility (gas power plants have direct connections to interstate pipelines). Emissions from imported electricity shown in this section would be covered at the supplier level. The tables below include emissions reported to DEQ from in-state power plants and emissions associated with imported electricity provided to Oregon ratepayers in 2017.

Emissions from electricity generated in Oregon

Facility Name	County	Natural Gas (MTCO ₂ e)	Coal (MTCO ₂ e)	Total Emissions
Portland General Electric (Carty & Boardman)	Morrow	902,884	1,706,683*	2,609,567
Hermiston Power LLC	Umatilla	1,175,627	-	1,175,627
Portland General Electric (Coyote Springs)	Morrow	1,096,407	-	1,096,407
Portland General Electric (Beaver/Port Westward)	Columbia	1,008,157	-	1,008,157
Klamath Energy LLC	Klamath	955,631	-	955,631
Hermiston Generating Company, L.P.	Umatilla	719,622	-	719,622
Portland General Electric (Port Wesward II)	Columbia	104,700	-	104,700
Total		5,963,028	1,706,683	7,669,711

*The emissions shown from coal are from PGE's coal-fired power plant that is planned to close by the end of 2020

Emissions from imported power serving Oregon

Investor Owned Utility	Emissions from Specified Imported Power (MTCO ₂ e)	Emissions from Unspecified Power (MTCO ₂ e)	Total
Idaho Power Company	177,434	11,337	188,770
Pacific Power (PacifiCorp)	7,905,163	630,209	8,535,373
Portland General Electric (PGE)	2,378,292	645,584	3,023,876
Total	10,460,889	1,287,130	11,748,019

Consumer Owned Utility*	Emissions from Specified Imported Power (MTCO ₂ e)	Emissions from Unspecified Power (MTCO ₂ e)	Total
Emerald PUD	293	54,893	55,186
PNGC Power (on behalf of Umatilla Electric Cooperative)	25,341	-	25,341
Total	25,634	54,893	80,527

* In line with the design of LC19, this only shows COUs (or entities scheduling imported power on their behalf) with 25,000 MTCO₂e or more in 2017.

Bonneville Power Administration	Emissions from Specified Imported Power (MTCO ₂ e)	Emissions from Unspecified Power (MTCO ₂ e)	Total
Bonneville Power Administration	-	129,426	129,426

Electricity Service Supplier	Emissions from Specified Imported Power (MTCO ₂ e)	Emissions from Unspecified Power (MTCO ₂ e)	Total
Avangrid Renewables	-	5,599	5,599
Calpine Energy Solutions	-	576,749	576,749
Constellation New Energy	-	119,777	119,777
Shell Energy North America	14,648	-	14,648
Total	14,648	702,126	716,774

Imported Fossil Fuels

SB 1530 would cover companies that own fossil fuel as it is imported into Oregon. The table below lists the anthropogenic emissions from the combustion of the total volume of fuel, excluding aviation fuel, reported to DEQ for 2017 for all companies importing at least 500,000 gallons of fuel.

Emissions reported from fuel imported into Oregon

Fuel Supplier	Emissions (MTCO ₂ e)
BP West Coast Products LLC	4,877,349
Phillips 66 Company	4,174,735
Tesoro Refining And Marketing Company LLC	3,633,597
Shell Oil Products Us	3,441,869
Chevron Usa Inc.	2,759,872
Space Age Fuel Inc.	1,643,562
Vitol Inc	1,626,575
Mccall Oil & Chemical Corp	216,928
PC Energy, LLC	185,898
Shell Trading (US) Company	159,938
Mieco Inc.	119,573
Byrnes Oil Company, Inc.	114,835
Hattenhauer Distributing Company	106,784
Plains Midstream Canada Ulc	99,999
Ed Staub and Sons Petroleum, Inc.	97,820
Valero Marketing And Supply Co.	84,274
Apex Oil Company, Inc.	80,409
Amerigas Propane, Inc.	78,286
Campo & Poole Distributing, LLC	58,096
Jacksons Food Stores, Inc.	55,724
Carson Oil Company, Inc.	53,672
SeSequential-Pacific Biodiesel, LLC	53,290
A & B Enterprises, Inc.	49,931
Devin Oil Co., Inc.	49,401
Kiva Energy, Inc.	45,186
Wilson Oil dba Wilcox & Flegel	44,446
Powell-Christensen Inc	43,466
Heller & Sons Dist Inc	41,765
Musket Corporation	41,281
Colvin Oil I, LLC	39,924
Elbow River Marketing Ltd., A Corporation Of Canada	36,300
Associated Petroleum Products	29,596
Suburban Propane, L.P.	27,452
Farmers Supply Cooperative	27,067
Jubitz Corporation	25,222
CHS Inc. Of Minnesota	24,136
AH Schade, Inc.	23,368
Tyree Oil, Inc.	18,943
Marc Nelson Oil Products, Inc.	18,150
Petrogas, Inc.	17,858

Fuel Supplier	Emissions (MTCO2e)
Maverik Inc.	17,204
Truax Corporation	16,888
Hicksgas, LLC	16,565
Conrad & Bischoff, Inc.	15,113
WSCO Petroleum	14,628
Morrow County Grain Growers, Inc.	14,277
Coleman Oil Company	14,095
ARS Fresno LLC	11,542
Connell Oil, Inc.	9,843
Pounder Oil Service, Inc.	9,514
Pratum Co-Op	8,819
UPS Fuel Services, Inc.	8,774
Quality Petroleum Products, Inc.	8,769
Hartland Fuel Products, LLC	7,726
PacWest Energy LLC	7,529
Mid Columbia Producers Inc	7,112
Franklin United Inc	6,423
Total	24,521,398

Permitted Facilities

SB 1530 would directly regulate emissions from facilities with air quality permits annually emitting over 25,000 tons of anthropogenic emissions from industrial processes. Natural gas would also be directly regulated at the few facilities receiving gas from direct connections to interstate pipelines. This table does not include emissions from fuels that are covered by the fuel suppliers listed in the previous section (e.g. onsite use of distillate fuel in a boiler) or CO2 emissions from biogenic fuels such as wood waste or biogas. Thus, emissions listed below are different from emissions listed on DEQ's GHG emissions webpage. This table also provides the types of facilities based on their primary North American Industrial Classification System (NAICS) codes. Most of these directly regulated permitted facilities would be considered "Emissions Intensive Trade Exposed" (EITE) entities under LC19. LC19 would mitigate the effects of direct regulation on these industries that are also highly exposed to competition in other jurisdictions to minimize the potential for blunting their competitiveness.

Facility	County	NAICS description	Total directly regulated emissions
Ash Grove Cement Company*	Baker	Cement Manufacturing	715,806
Cascade Steel Rolling Mills, Inc.*	Yamhill	Iron and Steel Mills	29,477
Covanta Marion, Inc.	Marion	Solid Waste Combustors and Incinerators	74,424
Dyno Nobel Incorporated*	Columbia	Inorganic Chemical Manufacturing	113,912
EVRAZ Inc. NA*	Multnomah	Iron and Steel Mills	95,586
Gas Transmission Northwest LLC	Morrow	Pipeline Transportation of Natural Gas	63,571
Intel Corporation*	Washington	Semiconductor and Related Device Manufacturing	259,203
Jireh Semiconductor, Inc.*	Washington	Semiconductor and Related Device Manufacturing	95,521
Maxim Integrated Products, Inc.*	Washington	Semiconductor and Related Device Manufacturing	43,476
Microchip Technology, Inc.*	Multnomah	Electronics Manufacturing	91,985
Qorvo US*	Washington	Semiconductor and Related Device Manufacturing	55,218
SemiConductor Components Industries, LLC*	Multnomah	Electronics Manufacturing	92,877
Total			1,731,056

* Indicates a business that SB 1530 would establish as an "Emissions Intensive Trade Exposed" entity