

FEATHER RIVER AIR QUALITY MANAGEMENT DISTRICT
MEMORANDUM
12/09/2019

TO: FRAQMD BOARD OF DIRECTORS
FROM: Christopher D. Brown, AICP, APCO
SUBJECT: Report on AB2588 Air Toxics "Hot Spots" annual status.

RECOMMENDATION:

None, informational item only.

BACKGROUND:

The California Health and Safety Code section 44363 requires the District to prepare and public a report that:

1. Describes the priorities and categories of the permitted facilities and summarizes the results of health risk assessments.
2. Ranks and identifies facilities according to the degree of cancer risk posed to the public.
3. Identifies facilities which expose the public to noncancer health risks.
4. Describes the status of the development of control measures to reduce emissions of toxic air contaminants.

DISCUSSION:

The District prepared the attached 2018 Report for the AB 2588 Air Toxics "Hot Spots" Program. The District published a notice on November 5, 2019, announcing the public hearing to present the report and discuss its content and significance, as required by HSC § 44363(b). The District also mailed a notice of the report's availability to the County Boards of Supervisors, City Councils, and health departments, as also required by HSC § 44363(b).

The report is available on the District's website: <https://www.fraqmd.org/air-toxics> and at the District office.

The District has not received any comments on the report as of November 21, 2019.

FISCAL IMPACT:

None, informational item only.

ATTACHMENTS:

2018 Report on the AB 2588 Air Toxics "Hot Spots" Program, October 31, 2019

Attachment 1: 2018 Report on the AB 2588 Air Toxics "Hot Spots" Program, October 31, 2019



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AB2588 Air Toxics “Hot Spots” Program

2018 Report

Feather River Air Quality Management District

Released: October 31, 2019

Executive Summary

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) is a State of California public right-to-know law requiring local air quality management and air pollution control districts to collect information about the location, type, and quantity of toxic compounds emitted into the air from specified local businesses and industry. The AB 2588 Program Annual Report is published to provide the public with information regarding the AB 2588 Program of the Feather River Air Quality Management District (District). The enabling statutes (California Health & Safety Code (HSC) Sections 44300-44394) require the California Air Resources Board (CARB) and local air districts to implement the "Hot Spots" Program. This report describes the current reporting and evaluation status for facilities being tracked under this program. This report is required by California HSC Section 44363.

The goals of the AB 2588 Program are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, and to notify nearby residents of significant risks. The AB 2588 Program requires certain emitters of airborne toxic compounds to submit toxic emissions inventory reports and updates. Facilities meeting certain criteria must also complete health risk assessments. HSC Section 44363 requires that the District Board conduct a public hearing concerning the subject report which must include information on the following:

- 1) The priorities and categories designated pursuant to section 44360 and a summary of results and progress of the health risk assessment program undertaken;
- 2) The ranking and identification of facilities according to the degree of cancer risk posed to surrounding receptors;
- 3) The identification of facilities which expose individuals or populations to any non-cancer health risks; and
- 4) The status of development of control measures to reduce emissions of toxic air contaminants, if any.

This report covers facility operations in calendar year 2018 for which AB 2588 State fees were assessed on October 1, 2019. The District's status of development of control measures is as of October 1, 2019.

The District currently has 606 active permits, of which 246 are subject to AB 2588 based on having a permit to operate over 10 tons per year of criteria pollutants except carbon monoxide, or based on Appendix E of the Emission Inventory Criteria and Guidelines¹. Of those 246, 125 are considered "industrywide" facilities.

¹ <https://ww3.arb.ca.gov/ab2588/2588guid.htm>

I. Air Toxics “Hot Spots” Program

The AB 2588 Program established a process to compile an inventory of air toxics emissions from specified facility categories in California and to assess the potential risks to public health as a result of exposure to those emissions. AB 2588 specifies activities that the CARB, the Office of Environmental Health Hazard Assessment (OEHHA), and the districts must carry out to implement the Act.

Facilities are categorized based on their reporting status in the program. Facilities subject to the AB 2588 Program are required to either file an emissions inventory plan and report with the local air district or as an alternative the District prioritizes and conducts the risk assessment as part of a permitting action. The District reviews and approves the plan and reports. The District performs a prioritization score for the facility. If the prioritization score indicates further evaluation is necessary, the facility is required to perform a health risk assessment (HRA). If the results from the HRA indicate a potential significant risk to the public, the facility is required to notify the public exposed to the emissions. A facility subject to the public notification requirement then may need to develop a risk reduction plan to lower the emissions below significance levels. After complying with the initial reporting requirements, based on the prioritization scores or HRA results, facilities may be required to submit update reports every four years.

II. Update to OEHHA Risk Assessment Guidelines

The passage of the Children’s Health Protection Act of 1999 (SB 25, Stats. 1999) required Office of Environmental Health Hazard Assessment (OEHHA) to re-evaluate the risk assessment methodologies to ensure infants and children are explicitly addressed in assessing risk. In the last decade, advances in science have shown that early-life exposures to air toxics contribute to an increased lifetime risk of developing cancer, or other adverse health effects, compared to exposures that occur in adulthood. In March 2015 OEHHA adopted revisions to the Guidance Manual for the Preparation of Health Risk Assessments² to address this greater sensitivity and incorporates the most recent data on childhood and adult exposure to air toxics. The Air Resources Board (working with CAPCOA) adopted Risk Management Guidance³ implementing the new guidelines in July 2015.

Although emissions levels and actual exposure have not changed, the new methodology calculations will show that some facilities have a 1.5 to 3 times increase in inhalation health risk due to the new awareness of increased sensitivity in infants and children.

III. The District Prioritization Procedure

The District policy 2.12.1 Facility Prioritization and Risk Assessment Thresholds and associated manuals of operations for prioritization and risk assessment were adopted in May 2017. This policy incorporates the updated risk assessment guidance from OEHHA and CARB.

² <https://oehha.ca.gov/air/cnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0>

³ <https://ww3.arb.ca.gov/ab2588/riskassess.htm>

In the initial years of the AB 2588 Hot Spots Program the District requested emission inventory plans and reports from AB2588 applicable facilities. The District now reviews most facilities priority during the permit evaluation process. The facilities that are reviewed during the permit evaluation process are evaluated based on potential to emit. If a facility is exempt from AB 2588 based on potential to emit, or is subject to AB 2588 and a low priority, no further action is taken under the AB 2588 program for that facility until they submit an application to modify their permit. If a facility is reviewed under AB 2588 based on potential to emit is determined to be an intermediate priority, the facility is entered into the annual emissions inventory and toxics emissions are reported after the first year of operation and at least every four years after. If a facility is reviewed under AB 2588 based on potential to emit is determined to be a high priority, the facility is entered into the annual emissions inventory and toxic emissions are reported annually. If the facility’s actual emissions result in a high priority, the facility will be required to pay state AB 2588 fees and submit an HRA, unless it’s an industrywide facility. The District will prepare the HRA for the industrywide facilities based on the guidelines developed by CAPCOA, CARB, and OEHHA.

Facilities that submit their own emissions inventory plan and report and are prioritized as intermediate must submit a Quadrennial Update Survey every four years. Facilities that submit their own emission inventory plan and report and are prioritized as high must submit an HRA and pay state AB 2588 fees.

The District has established the following prioritization criteria:

Facility Score*	Facility Description
TS ≥ 10	High Priority
1 ≤ TS ≤ 10	Intermediate Priority
TS < 1	Low Priority

*The facility's score is determined by the greater of the Carcinogenic Effects calculation or the Non-carcinogenic Effects calculation.

A. Industrywide Facilities

The District considers retail gas stations, auto body shops, dry cleaners, and diesel-engine only facilities to be industrywide facilities. The District uses the industrywide guidelines to assess priority and risk for these facilities.

Industrywide Category	Number of Facilities
Gas Station	76
Autobody Shops	34
Dry Cleaner	1
Diesel Engine Only	14

B. Core Facilities

Core facilities are the remaining facilities that are subject to the AB 2588 Program and not industrywide facilities.

IV. Prioritized Facilities and Health Risk Assessments

The District is in the process of reprioritizing facilities under the new guidelines and procedures and is requesting updated Health Risk Assessments from facilities that have been prioritized as high based on actual emissions. In the upcoming year the District will continue this work. Several source categories will be reviewed and HRA’s requested as necessary. The District will be using the updated industrywide health risk assessment guidelines currently under development by CAPCOA and CARB to perform HRA’s for industrywide facilities. The Emission Inventory Criteria and Guidelines are also currently being updated by CARB and once complete may trigger a review of additional facilities.

The District currently has 606 active permits, of which 246 are subject to AB 2588 based on having a permit to operate over 10 tons per year of criteria pollutants except carbon monoxide, or based on Appendix E of the Emission Inventory Criteria and Guidelines⁴. Of those 246, 125 are considered “industrywide” facilities. The District has prioritized 207 as low, intermediate, or high priority for the AB 2588 Program.

Priority Score	Number of Facilities
Low	66
Intermediate	116
High	25

The top 10 highest priority facilities for cancer risk in the District based on 2018 emissions are:

Type	Facility ID	Facility	Location	Priority Score	HRA Score
Backup generator	23056	City of Marysville Lift Station	130 F Street, Marysville	74	Pending
Backup generator	23002	Rideout Hospital	726 Fourth Street, Marysville	53.9	8 per million
Diesel engine at wood processing	37020	Unity Forest Products	1162 Putman Ave, Yuba City	49	3.8 per million
Water treatment and diesel engines	10001	City of Yuba City	302 Burns Drive, Yuba City	25	Pending
Rice Dryer	6015	Sutter Rice Company	1421 Acacia Road, Sutter	19.34	Pending
Dry cleaner	12000	Butler Cleaners	778 Plumas Street, Yuba City	19	To be removed by 4/1/2021
Rice dryer	6010	District 10 Dryers LLC	8923 Hwy 70, Marysville	18	Pending
Backup diesel engine	16022	Twin Cities Surgical Hospital	455 Plumas Street, Yuba City	12.6	Pending
Backup diesel engine	23041	SBC/Pac Bell	5495 Pleasant Grove Rd, Pleasant Grove	10.98	Pending
Retail Gas Station	14095	Sam’s Club	900 Walton Ave, Yuba City	10.4	Pending

⁴ <https://ww3.arb.ca.gov/ab2588/2588guid.htm>

The top ten highest priority for non-cancer risk in the District based on 2018 emissions are:

Type	Facility ID	Facility	Location	Priority Score	HRA Score*
Concrete batch plant	20016	CEMEX	3163 Sankey Rd, Pleasant Grove	17	Under review
Rice Dryer	6007	El Centro Storage	7339 Pacific Ave, Pleasant Grove	8.44	
Electrical Generation	13009	Gilroy Energy Center, LLC	875 N. Walton, Yuba City	7.9	
Fumigation	33010	Stephens Dryers	8560 Garden Hwy, Yuba City	4.8	
Rice Dryer	6010	District 10 Dryers	8923 Hwy 70, Marysville	4.55	
Rice Dryer	6015	Sutter Rice Company	1421 Acacia Rd, Sutter	4.44	
Fumigation	34015	Valley View Foods	7547 Sawtelle Ave, Yuba City	4.14	
Metal coating	11057	Frank M. Booth	126 B Street, Marysville	4.05	
Graphic arts operations	15002	Deluxe Packages	800 N. Walton Ave, Yuba City	3.92	
Fiberglass	8001	ACE Composites	1394 Sky Harbor Drive, Olivehurst	3.91	

*HRA only required if priority score exceeds 10

V. State AB 2588 Program Fees

CARB is required to adopt a fee recovery regulation to assess fees on facilities subject to the requirements to ensure that costs to implement and administer the AB 2588 Program.

Program costs are recovered by assessing a fee to subject facilities. For 2018 emissions the State AB 2588 Program fees totaled \$2,354.

VI. Control Measure Development

The District has not developed nor adopted any control measures to reduce emissions of toxic air contaminants in the past year.

Appendix A: Facility List

Appendix A includes a list of all facilities currently holding a permit to operate, their location, whether they are subject to AB 2588, whether they are an industrywide source, their priority score and risk information.

The facility list is sorted by permit number.

Notes:

- 1 The District is reviewing this source category in the upcoming year to update emission factors
- 2 An amended Health Risk Assessment has been requested, or information in order to update the existing HRA has been requested
- 3 The District will be preparing an industrywide HRA for this facility
- 4 The total stationary diesel engine usage was less than 20 hours for the facility in 2018
- 5 The facility did not report any throughput or operations in 2018

Abbreviations:

IWD-ICE Industrywide facility with internal combustion engine

AB Autobody facility

DC Dry cleaner

GS Gas station

Type	FACILITY ID	COMPANY NAME	SITE ADDRESS	SITE CITY	Subject to AB 2588	IWD?	Previous Priority	New Priority Based	Date Last Prioritized	TS Based on 2018 TP	TS* Based on 2018 TP	HRA	Notes	State Fee
ICE	23056	City of Marysville-Lift Station	130 F Street	Marysville	Yes	IWD-ICE	7	23	2018	74	0.11		3	35
ICE	23002	Rideout Hospital	726 Fourth Street	Marysville	Yes	IWD-ICE	25	116	2019	53.9	0.09	8 per million		35
Wood	37020	Unity Forest Products	1162 Putman Ave	Yuba City	Yes	IWD-ICE	23	105	2018	49	0.07	3.8 per million	3	35
POTW	10001	City of Yuba City	302 Burns Drive	Yuba City	Yes			51	2018	25	0.25		2	2009
Rice Dryer	6015	Sutter Rice Company	1421 Acacia Road	Sutter	Yes		13.14	35	2018	19.34	4.44		1	Exempt
Dry Cleaner	12000	Butler Cleaners	778 Plumas Street	Yuba City	Yes	DC		215	2018	19	0.2			35
Rice Dryer	6010	District 10 Dryers, LLC	8923 Highway 70	Marysville	Yes			26	2018	18	4.55		1	Exempt
Boilers	16022	Twin Cities Surgical Hospital	455 Plumas Blvd	Yuba City	Yes	IWD-ICE			2019	12.6	0.02		3	35
ICE	23041	SBC / Pacific Bell	5495 Pleasant Grove Road	Pleasant Grove	Yes	IWD-ICE			2019	10.98	0.02		3	35
Retail Gas	14095	Sam's Club	900 Walton Avenue	Yuba City	Yes	GS		30.13	2017	10.4	0.27		3	35
Incinerator	28005	Ulrey Memorial Chapel, Inc.	817 Almond St.	Yuba City	Yes		5.98	25	2019	8.8	3.36			
Electrical Gene	13009	Gilroy Energy Center, LLC	875 North Walton	Yuba City	Yes				2019	8.79	7.9			
Rice Dryer	6014	Sutter Basin Growers Coopera	21831 Knights Road	Knights Landing	Yes			9.93	2019	8.4	2.85		1	
Incinerator	28007	Lakeside Colonial Chapel/Funeh	830 D Street	Marysville	Yes		12.7	12.7	2018	8.2	3.39			
Incinerator	28010	Chapel of the Twin Cities	715 Shasta Street	Yuba City	Yes		12.7	12.7	2019	6.8	3.36			
Rice Dryer	6006	Catlett Warehouse	2138 Catlett Road	Pleasant Grove	Yes			45	2017	6.5	2.3		1	
Asphalt	22002	Baldwin Contracting Co., Inc. C	8305 Hallwood Blvd.	Marysville	Yes		5	22	2019	6.13	1.02			
Rice Dryer	6008	Gibbs-California Wild Rice	10400 Billings Road	Live Oak	Yes			7.65	2018	5.9	0.005		1	
Rice Dryer	6009	Farmers' Rice Cooperative - Hi	1551 Acacia Avenue	Sutter	Yes			16	2018	5.7	2.23		1	
Rice Dryer	6005	Premium Rice Group, LLC	17465 Highway 113	Robbins	Yes			6.7	2017	5.34	1.36		1	
Rice Dryer	6024	James T. Sopwith, Jr dba Sopw	4850 W. Riego Rd & 5370	Sacramento	Yes			11.86	2017	5.2	1.12		1	
Retail Gas	14085	Linda Petroleum, Inc	1129 N. Beale Road	Marysville	Yes	GS		7.53	2017	5.01	0.13			
Retail Gas	14018	Super Power Mart	10020 Live Oak Boulevard	Live Oak	Yes	GS		1.58	2018	4.97	0.11			
Boilers	16004	Sunsweet	901 North Walton, Yuba Cit	Yuba City	Yes		10.4	53.1	2019	4.7	3.08		2	100
Retail Gas	14092	ARCO #82042 / Pacific Pride	1332 Bogue Road	Yuba City	Yes	GS		7.19	2017	4.7	0.12			
Retail Gas	14007	Colusa Grey Inc.	886 Colusa Avenue	Yuba City	Yes	GS		22.6	2018	4.69	0.1			
Rice Dryer	6023	Murphy Lake Farms	5370 W. Riego Road	Sacramento	Yes			13.48	2017	4.5	0.96		1	
Rice Dryer	6017	Van Dyke's Rice Dryer Inc.	4036 Pleasant Grove Road	Pleasant Grove	Yes		0.78	7.13	2018	4.46	1.06		1	
Concrete Batch	20016	CEMEX Construction Materials	3163 Sankey Road	Pleasant Grove	Yes			0.31	2019	4.33	17		1	
Retail Gas	14063	Quik Stop Markets Inc.	1285 Bogue Road	Yuba City	Yes	GS		4.22	2017	4.15	0.11			
Retail Gas	14006	BP West Coast Products, LLC	707 E Street	Marysville	Yes	GS		7.53	2017	3.89	0.08			
Electrical Gene	13007	Gilroy Energy Center, LLC	202 Burns Drive	Yuba City	Yes				2019	3.46	0.7			
Rice Dryer	6011	Mathews Rice Dryer	8800 Mathews Lane	Marysville	Yes			3	2018	3.4	1.54		1	
Retail Gas	14102	Lakeview Center	1111 B Street	Marysville	Yes	GS		4.52	2017	3.35	0.09			
Rice Dryer	6007	El Centro Storage	7339 Pacific Avenue	Pleasant Grove	Yes		7.3			3.22	8.44		1	
Retail Gas	14091	AAFES Service Station	Warren Shingle & J St. Bldg	Beale AFB	Yes	GS		4.79	2019	3.09	0.08			
Retail Gas	14104	Beale Capehart Shoppette	Bldg #4793 Camp Beale H	Beale AFB	Yes	GS		6.03	2017	3.09	0.08			
Aggregate	3014	Silica Resources, Inc.	6130 Hwy 20	Browns Valley	Yes	IWD-ICE		3.92	2018	2.8	0.0042			
Retail Gas	14078	Civic Energy Center	1466 Colusa Avenue	Yuba City	Yes	GS		9.04	2017	2.74	0.07			
Retail Gas	14062	Quik Stop Markets Inc.	1620 Lincoln Road	Yuba City	Yes	GS		3.01	2017	2.73	0.07			
Incinerator	28012	Heaven's Gate LLC	603 4th Street	Wheatland	Yes		7.8	71	2019	2.7	0.04			
Retail Gas	14060	Quik Stop Markets Inc.	1410 Bridge Street	Yuba City	Yes	GS		3.01	2017	2.6	0.07			
Air Force Base	9999	Beale Air Force Base	6601 B Street	Beale AFB	Yes		3.71		1993	2.58	0.0045			
Aggregate	3011	Nordic Industries	7561 State Hwy 20	Smartsville	Yes			24.8	2018	2.5	0.004			
Retail Gas	14061	Quik Stop Markets Inc.	1201 B Street	Marysville	Yes	GS		4.52	2017	2.4	0.06			
Retail Gas	14077	Paradise Petro Inc.	500 McDevitt Drive	Wheatland	Yes	GS		0.83	2018	2.24	0.06			
Retail Gas	14021	Circle K Stores - Tosco #1156 -	1263 Franklin Rd.	Yuba City	Yes	GS		3.77	2018	2.22	0.06			
Retail Gas	14059	Quik Stop Markets Inc.	1757 Live Oak Boulevard	Yuba City	Yes	GS		2.64	2017	2.17	0.06			
Asphalt	22003	A. Teichert & Son, Inc.	3331 Walnut Avenue	Marysville	Yes		0.85	14	2018	2.1	0.2			
Electrical Gene	13003	Greenleaf Energy Unit 1 LLC	5087 South Township Road	Yuba City	Yes				2019	2.06	0.14			
Retail Gas	14049	A Food Mart	830 E Street	Marysville	Yes	GS		5.12	2017	2.05	0.05			
Retail Gas	14055	Kwik Serv	5871 Feather River Boulev	Olivehurst	Yes	GS		2.56	2018	1.98	0.05			
Electrical Gene	13005	CCFC Sutter Energy, LLC	5029 South Township Road	Yuba City	Yes				2019	1.97	0.1			
Retail Gas	14080	VISHAAN, INC	5362 Marysville Road	Browns Valley	Yes	GS		2.26	2017	1.97	0.05			
Retail Gas	14101	Hwy 70 Truck Stop	5380 Lindhurst Ave	Marysville	Yes	GS		2.71	2017	1.97	0.05			
Retail Gas	14058	Quik Stop Markets Inc.	1405 Garden Highway	Yuba City	Yes	GS		5.2	2017	1.9	0.05			
Seed/Nut Proce	33014	DeValentine Farms, Inc.	2890 Bear River Drive	Rio Oso	Yes	IWD-ICE	1.14			1.86	0.003			
Retail Gas	14019	Colonial Energy, LLC	1976 McGowan Parkway	Olivehurst	Yes	GS		3.16	2017	1.67	0.04			
Retail Gas	14096	L & R Gas & Food	9545 Live Oak Blvd	Live Oak	Yes	GS		0.4	2017	1.5	0.04			
Retail Gas	14072	Circle A - Exxon	1215 East 22nd Street	Marysville	Yes	GS		1.73	2017	1.4	0.04			
Retail Gas	14093	Stohlman & Rogers Inc. / Pacif	427 14th Street	Marysville	Yes	GS		2.67	2017	1.35	0.03			
Retail Gas	14089	Lally Food Mart	1946 North Beale Road	Marysville	Yes	GS		2.49	2017	1.34	0.03			
Retail Gas	14037	99 Travel Center - Chevron	4142 South Highway 99	Yuba City	Yes	GS		2.35	2017	1.3	0.03			
Retail Gas	14029	FullStop dba Kwik Serv	1675 North Beale Road	Marysville	Yes	GS		2.26	2017	1.26	0.03			
Retail Gas	14088	Mike's Mini Mart - Exxon	1591 Franklin Road	Yuba City	Yes	GS		1.73	2018	1.22	0.03			
Retail Gas	14073	Sutter Food & Gas	7505 Colusa Highway	Sutter	Yes	GS		2.41	2017	1.2	0.03			
Retail Gas	14106	Plumas Stop & Shop	2297 River Oaks Blvd.	Plumas Lake	Yes	GS		2.38	2017	1.2	0.03			
Retail Gas	14100	Colonial Energy, LLC	530 Bogue Rd	Yuba City	Yes	GS		7.53	2017	1.16	0.03			
Retail Gas	14103	Colonial Energy, LLC	4217 Arboga Road	Olivehurst	Yes	GS		7.53	2017	1.09	0.03			
Auto Body	11057	Frank M. Booth, Inc	126 B Street	Marysville	Yes	AB		1.8	2019	1.08	4.05			
Retail Gas	14011	Econo Gas	704 10th Street	Marysville	Yes	GS		3.77	2017	1.06	0.03			
Auto Body	11071	Standley Bros Hot Rods	785 Sutter St	Yuba City	Yes	AB		1.04	2017	1.04	0.01			

Wood	37008	Sunset Moulding Company	2231 Paseo Avenue	Live Oak	Yes	IWD-ICE				1	0.002			
Retail Gas	14105	Colonial Energy, LLC	9811 Live Oak Blvd	Live Oak	Yes	GS		6.03	2017	0.97	0.02			
Retail Gas	14028	ARNM Holdings LLC	248 Bridge Street	Yuba City	Yes	GS				0.95	0.02			
Retail Gas	14038	Hira Petroleum	5057 Olivehurst Ave.	Olivehurst	Yes	GS		0.9	2017	0.87	0.022			
Aggregate	3001	Baldwin Contracting Co., Inc.	8305 Hallwood Blvd.	Marysville	Yes			1.2	2019	0.8	1			
Retail Gas	14008	Chevron	525 Colusa Avenue	Yuba City	Yes	GS		3.01	2017	0.77	0.02			
Retail Gas	14081	Lally Gas & Food	4960 Olivehurst Avenue	Olivehurst	Yes	GS		2.2	2017	0.75	0.02			
Retail Gas	14046	Hira Petroleum	1573 North Beale Road	Marysville	Yes	GS		0.9	2017	0.71	0.02			
Retail Gas	14045	Raj's Mini Mart	100 "D" Street	Wheatland	Yes	GS		1.73	2017	0.697	0.018			
Landfill	29006	Jack L. Spence Inc.	1601 Southridge Blvd.	Sutter	Yes					0.69	0.008			
Retail Gas	14033	Bridge Street Chevron	1273 Bridge Street	Yuba City	Yes	GS		3.01	2017	0.678	0.017			
Retail Gas	14034	Holly Oak Grocery and Gas - Tr	555 Garden Highway	Yuba City	Yes	GS		1.96	2017	0.65	0.017			
Retail Gas	14107	Pacific Petroleum	1499 Market Street	Yuba City	Yes	GS		1.96	2019	0.64	0.02			
Retail Gas	14035	Yuba Plaza Shell	831 Colusa Avenue	Yuba City	Yes	GS		2.56	2017	0.6345	0.016			
Retail Gas	14050	Oregon House Grocery & Deli	13439 Rice's Crossing Road	Oregon House	Yes	GS		1.75	2017	0.6	0.02			
Retail Gas	14009	Mann Fairground Plaza LLC	118 "A" Garden Highway	Yuba City	Yes	GS		2.4	2017	0.6	0.01			
Retail Gas	14010	Quick N Shop #2	2590 Butte House Road	Yuba City	Yes	GS		0.9	2017	0.59	0.01			
Landfill	29003	Recology Yuba-Sutter	3001 North Levee Road	Marysville	Yes					0.58	0.005			
Retail Gas	14052	Nicolaus Expressmart	3499 Powerline Road	Nicolaus	Yes	GS		1.7	2017	0.56	0.01			
Retail Gas	14047	5th Street Gas Station	929 5th Street	Marysville	Yes	GS		4.22	2017	0.55	0.01			
Retail Gas	14005	Al's 5th & E Shell Service	501 E Street	Marysville	Yes	GS		0.9	2018	0.543	0.01			
Retail Gas	14064	Olivehurst Minimart	4881 Olivehurst Avenue	Olivehurst	Yes	GS		1.51	2017	0.52	0.01			
Retail Gas	14022	College Villa Market	1947 North Beale Road	Marysville	Yes	GS		1.73	2017	0.51	0.01			
Retail Gas	14056	Quick-N-Save	1780 North Beale Road	Marysville	Yes	GS		0.9	2017	0.485	0.012			
Retail Gas	14083	Dhami's Truck Stop	1281 O'Banion Road	Yuba City	Yes	GS		2.2	2017	0.44	0.01			
Retail Gas	14044	Mr. Paul's Market	2255 Butte House Road	Yuba City	Yes	GS		0.98	2017	0.43	0.01			
Retail Gas	14032	Fast Choice Markets LLC dba C	11269 Loma Rica Road	Loma Rica	Yes	GS		1.73	2017	0.423	0.011			
Retail Gas	14097	Sutter Market	929 Market Street	Yuba City	Yes	GS		2.26	2017	0.4	0.01			
Retail Gas	14048	New Stop	1299 Northgate Drive	Yuba City	Yes	GS		0.83	2017	0.39	0.01			
Retail Gas	14098	Percy Avenue Grocery Store	169 Percy Ave	Yuba City	Yes	GS		0.9	2017	0.39	0.01			
Retail Gas	14051	Honeycutt Aviation	1489 "A" Sky Harbor Drive	Olivehurst	Yes	GS		5.12	2017	0.36	0.009			
Concrete Batch	20017	CEMEX Construction Materials	6124 Avondale Avenue	Marysville	Yes					0.35	3.66			1
Retail Gas	14084	Feather River Market	5870 Feather River Boulev	Olivehurst	Yes	GS		1.73	2017	0.35	0.009			
Concrete Batch	20001	A & A Concrete Supply, Inc.	1201 Market Street	Yuba City	Yes			1.24		2016	0.34	1.28		1
ICE	23244	Verizon Wireless	Franklin Road / Harding Rd	Yuba City	Yes			2.4	2016	0.33	0.0005			
Concrete Batch	20005	Mathews Readymix LLC	249 Lamon Way	Yuba City	Yes			9.04	2013	0.32	0.15			1
Aggregate	3007	A. Teichert & Son, Inc.	3311 Walnut Avenue	Marysville	Yes			0.28		0.3	0	0.28 per million		
Rice Dryer	6027	District 10 Dryers LLC	2669 Erie Road	Marysville	Yes			0.1	2016	0.28	0.12			1
Rice Dryer	6013	Shintaffer Farms	1888 Woodruff Lane	Marysville	Yes			2.66		0.27	0.06			1
Rice Dryer	6012	Montna Farms Rice Dryer	12755 Garden Highway	Yuba City	Yes			1.03	2019	0.26	0.2			1
Retail Gas	14012	Bill's Market	1443 Franklin Road	Yuba City	Yes	GS		1.73	2017	0.26	0.006			
Electrical Gene	13001	Yuba City Cogeneration Partne	873 North Walton Avenue	Yuba City	Yes			7.8	2019	0.257	0.934			
Retail Gas	14079	Inter-State Oil Company	1455 Furneaux Rd	Olivehurst	Yes	GS		0.71	2017	0.25	0.006			
Retail Gas	14065	Ramos Oil	3480 Industrial Drive	Yuba City	Yes	GS		1.21	2017	0.2	0.005			
Retail Gas	14094	APRO, LLC	6000 Lindhurst Avenue	Marysville	Yes	GS		0.9	2017	0.19	0.005			
ICE	23010	PAVE PAWS	PAVE PAWS	Beale AFB	Yes			0.07	0.638	2018	0.184	0.005		
Asphalt	22009	ABRAC Holdings, LLC	Various Locations	FRAQMD	Yes			0.97		2013	0.18	0.0003		
Asphalt	22006	DeSilva Gates Construction	7229 Dantoni Road	Marysville	Yes			2.5	2018	0.17	0.53			
Aggregate	3005	Western Aggregates LLC	4711 Hammonton Road	Marysville	Yes	IWD-ICE		1.5	2019	0.1428	0.0002			
Retail Gas	14039	Lost Nugget Market	16448 Highway 49	Camptonville	Yes	GS		1.17	2017	0.134	0.003			
Retail Gas	14076	Tiff's Gas Market	9881 Live Oak Boulevard	Live Oak	Yes	GS		2.4	2017	0.1	0.003			
Rice Dryer	6022	Gallagher Dryer	1998 Pleasant Grove Road	Rio Oso	Yes			0.24	2017	0.09	0.04			1
Retail Gas	14023	Collins Lake Recreation	Collins Lake Road	Oregon House	Yes	GS		1.31	2017	0.073	0.002			
Electrical Gene	13004	Greenleaf Energy Unit 2 LLC	875 North Walton Avenue	Yuba City	Yes				2019	0.07	0.01			
Landfill	29002	Recology Ostrom Road	5900 Ostrom Road	Wheatland	Yes			0.125		1996	0.07	0.0001		
Prune Dryer	34015	Valley View Foods, Inc	7547 Sawtelle Avenue	Yuba City	Yes			2.74	4.26	2018	0.054	4.14		
Seed/Nut Proce	33010	Stephens Dryers	8540 Garden Hwy.	Yuba City	Yes			4.81			0.04	4.8		
Electrical Gene	13008	G2 Energy, Ostrom Road LLC	5900 Ostrom Road	Wheatland	Yes				2019	0.03	0			
Concrete Batch	20020	CTU Precast	4811 Hammonton Smarts	Marysville	Yes					0.03	0			1
Prune Dryer	34016	Shoei Foods (U.S.A.), Inc.	1900 Feather River Blvd.	Olivehurst	Yes			2.67	2.6	2018	0.02	0.41		
Retail Gas	14020	Yuba City Car Wash	400 Colusa Avenue	Yuba City	Yes	GS		2.4	2017	0.018	0.0005			
Wood	37014	Yuba River Moulding & Millwo	3757 Feather River Blvd.	Olivehurst	Yes			0.1			0.01	0.11		
Aggregate	3009	Silica Resources, Inc.	4553 Hammonton Road	Marysville	Yes			0.0632			0.01	0.06		
Concrete Batch	20011	Livingston's Concrete Service,	2571 Rosser Road	Olivehurst	Yes			0.56		2004	0.01	0.04		1
Coating	24018	COE Orchard Equipment Inc	3453 Riviera Road	Live Oak	Yes			<1	9	2019	0.01	0.02		
Retail Gas	14026	Emerald Cove Marina, Inc	12571 Marysville Road	Dobbins	Yes	GS		0.116	2017	0.008	0.0002			
Plating	19003	Rodriguez All Bumper Repair/C	7903 Highway 70	Marysville	Yes			0.004		2008	0.007	0		
Fiberglass	8006	Baked Industries Inc	219 B Burns Drive	Yuba City	Yes			0.93	2017	0.0015	0.412			
Concrete Batch	20013	Teichert Readymix	7466 Pacific Avenue	Pleasant Grove	Yes			1.89	2018	0.001	0.73			1
Printer	15002	Deluxe Packages	800 North Walton Avenue	Yuba City	Yes			2.6	2018	0	3.92			
Fiberglass	8001	ACE Composites, Inc.	1394 Sky Harbor Drive	Olivehurst	Yes			3.9	2019	0	3.91			

Coating	24014	Andean Naturals, Inc	1200 Putnam Ave	Yuba City	Yes		2.88	2.88	2019	0	2.88			
Boilers	16002	Wilbur Packing Company	1500 Eager Road	Live Oak	Yes			0.11	2018	0	2.67			
Boilers	16000	Sacramento Packing	833 Tudor Road	Yuba City	Yes		0.03		2014	0	0.51			
ICE	23271	Yuba Sutter Transit Authority	2100 B St.	Marysville	Yes			3.47	2019	0	0		5	
Seed/Nut Proce	33007	Sacramento Valley Walnut Gr	896 O'Banion Road	Yuba City	Yes		7.69			0	0			
Retail Gas	14031	Fast Choice Mkts LLC	16823 Willow Glen Road	Brownsville	Yes	GS	3.8	17	2017	0			5	0
ICE	23265	New Cingular Wireless PSC, LL	6943 Therese Trail	Browns Valley	Yes			4.65	2018	0			5	
Nat Gas	2001	Anacapa Oil	Kellogg #2	Yuba City	No									
Nat Gas	2024	California Resources Productio	CS #2	Sutter	No									
Nat Gas	2030	Atlantic Oil Co.	Site 21-22-1	Meridian	No									
Nat Gas	2031	Atlantic Oil Co.	Atlantic Giusti #1	Meridian	No									
Nat Gas	2035	California Resources Productio	GOU 5-2	Meridian	No									
Nat Gas	2052	California Resources Productio	Transamerica 29-2	Sutter	No									
Nat Gas	2064	Atlantic Oil Co.	Compressor Station #1	Meridian	No									
Nat Gas	2071	California Resources Productio	Carroll #17	Sutter	No									
Nat Gas	2073	Concordia Resources Meridian	unit 2-1	Meridian	No									
Nat Gas	2082	CNP Pipeline Company	Reclamation Road 1/4 mile	Tisdale	No									
Nat Gas	2086	Signal Hill Petroleum	Master Meter	Meridian	No									
Nat Gas	2110	California Resources Productio	Henle 33-1	Tisdale	No									
Nat Gas	2116	Petrogulf	Bryant MM / 175-14N-2E	Meridian	No									
Nat Gas	2120	Zone Gas Company	Zone Butte Slough MM	Meridian	No									
Nat Gas	2124	Signal Hill Petroleum	Reishe 28-1	Meridian	No									
Nat Gas	2135	Site Resources	Beymer 1-23	Yuba City	No									
Nat Gas	2141	Site Resources	Roberts 1-35	Yuba City	No									
Nat Gas	2144	California Resources Productio	East Side MM	Meridian	No									
Nat Gas	2145	Concordia Resources, Inc	Meridian Unit 2-6, Sec 15,	Meridian	No									
Nat Gas	2146	Site Resources	Watson 1-27	Yuba City	No									
Nat Gas	2158	Concordia Resources, Inc	Meridian Unit 3-1 MM	Meridian	No									
Nat Gas	2184	California Resources Productio	Buttes Community 1-204,	Sutter	No									
Nat Gas	2194	California Resources Productio	Ettl MM	Meridian	No									
Nat Gas	2202	California Resources Productio	COU 21-22-3	Meridian	No									
Nat Gas	2204	California Resources Productio	T15N-R1E-S33	Meridian	No									
Nat Gas	2211	California Resources Productio	BC Compressor Station, Ca	Sutter	No									
Nat Gas	2215	California Resources Productio	COU 14-9, 14-10, 14-12	Meridian	No									
Nat Gas	2216	Dos Rios Inc	Hunt 1-23 / MM	Yuba City	No									
Nat Gas	2220	California Resources Productio	GOU 8-14 Injection Well	Meridian	No									
Nat Gas	2242	California Resources Productio	Buttes Community 1-219,	Sutter	No									
Nat Gas	2244	California Resources Productio	Buttes Steidlmayer 41, 42,	Sutter	No									
Nat Gas	2247	Dos Rios Inc.	Sec 24-T14N-R2F (Mitchu	Yuba City	No									
Nat Gas	2259	California Resources Productio	GOU 32-12, 32-14	Meridian	No									
Nat Gas	2269	Signal Hill Petroleum	Fedora 1-2	Meridian	No									
Nat Gas	2280	California Resources Productio	Buttes Community 1-56	Sutter	No									
Nat Gas	2281	Signal Hill Petroleum	Sec36-T16N-R1W	Meridian	No									
Nat Gas	2282	California Resources Productio	Moroni Rd. (39.107493,-1	Meridian	No									
Nat Gas	2283	California Resources Productio	Drexel Rd, Sec 27 Twn 15	Meridian	No									
Aggregate	3002	Butte Sand & Gravel	10373 South Butte Road	Sutter	Yes			3	2018					
Aggregate	3019	A. Teichert & Son, Inc.	4249 Hammonton-Smarts	Marysville	Yes			1.2	2018					
Aggregate	3022	Nordic Industries	10163 Spring Valley Rd	Browns Valley	No									
Aggregate	3023	Teichert Materials	Various Locations	FRAQMD	No									
Cotton Gin	4001	North Valley Gin	9450 Agri Park Road	Sutter	Yes		0.2		2016					
Bulk Gas	5003	Lakeview Petroleum, Incorpor	505 14th Street	Marysville	No									
Bulk Gas	5004	Ramos Oil Company	429 12th Street	Marysville	No									
Bulk Gas	5006	Dawson Oil Company	3281 Industrial Drive	Yuba City	No									
Rice Dryer	6001	A & R Bertolini Farms, Inc.	3742 A North Beale Road	Marysville	No									
Rice Dryer	6002	Alfaro Bins	3374 Forty Mile Road	Olivehurst	No									
Rice Dryer	6004	RiceTec Inc	7235 Pacific Avenue	Pleasant Grove	No									
Rice Dryer	6019	Danna Bins	14803 Highway 99	Nicolaus	No									
Rice Dryer	6026	Sutter Basin Corp.	10982 Knights Road	Robbins	No									
Auto Body	11001	Service King Paint and Body, L	338 Garden Highway	Yuba City	Yes	AB	2.77		2014					
Auto Body	11002	Geweke Collision Center	1404 F Street	Marysville	Yes	AB	0.001		2009					
Auto Body	11003	Still Bros Inc	20 Wilbur Avenue	Yuba City	Yes	AB	0.83		2008					
Auto Body	11004	Wheeler Olds/Cadillac	350 Colusa Highway	Yuba City	Yes	AB	0.0009		2009					
Auto Body	11005	A-1 Body Shop	527 Garden Highway	Yuba City	Yes	AB	0.61		1998					
Auto Body	11006	Allen's Auto Body	211 Teegarden Avenue	Yuba City	Yes	AB			1998			0.4 per million		
Auto Body	11009	Glorified Bodies	5811 Lindhurst Avenue	Marysville	Yes	AB	0.32		2017					
Auto Body	11010	Golden Valley Auto Body	727 Sutter Street	Yuba City	Yes	AB	1.95		2016					
Auto Body	11012	Cervantes Paint & Body	1475 Franklin Road	Yuba City	Yes	AB	1.32		2000					
Auto Body	11018	R & D Rod and Custom	1791 14th Street	Olivehurst	Yes	AB								
Auto Body	11019	Nor-Cal Auto Body	600 Franklin Avenue	Yuba City	Yes	AB								
Auto Body	11037	Broesch Automotive	20770 Hwy 113	Knights Landing	Yes	AB								
Auto Body	11040	The Body Shop	802 Forbes Avenue	Yuba City	Yes	AB								

Auto Body	11043	Diamond Steel Co., Inc.	971 N. George Washington	Yuba City	Yes	AB	1.8		2011				
Auto Body	11045	Sutter City Auto Body	2239 California Street	Sutter	Yes	AB	0.69		2002				
Auto Body	11048	Natomas Auto Body & Paint, II	1451 Garden Hwy	Yuba City	Yes	AB	0.28		2010				
Auto Body	11050	Ken's Custom Auto Body	1200 Garden Hwy, Suite C	Yuba City	Yes	AB							
Auto Body	11051	Miracle Auto Painting of Yuba	871 Garden Highway	Yuba City	Yes	AB	3.55		2000				
Auto Body	11053	E.T. Quality RV, Inc	2021 Live Oak Blvd	Yuba City	Yes	AB							
Auto Body	11054	All Works Auto Body and Paint	4585 Skyway Drive	Olivehurst	Yes	AB		0.65	2019				
Auto Body	11055	Macks Auto Body & Paint	3140 Industrial Drive	Yuba City	Yes	AB		0.14	2019				
Auto Body	11059	Caliber Collision Centers	996 Klamath Lane	Yuba City	Yes	AB							
Auto Body	11062	Angulo Auto Body Shop	1655 Poole Blvd, Suite #8	Yuba City	Yes	AB	0.26		2019				
Auto Body	11063	Sanchez Powder Coating	25 Wilbur Ave.	Yuba City	Yes	AB							
Auto Body	11065	Sweco Products, Inc.	2455 Palm Street	Sutter	Yes			8.97	2019				
Auto Body	11066	Scroggins Restoration	9001 Hwy 20	Sutter	Yes	AB	0.02		2013				
Auto Body	11067	Yuba County Career Prep. Cha	1104 E Street	Marysville	Yes	AB	0.06		2014				
Auto Body	11069	CA Cargo	3131 Sankey Road, #1	Pleasant Grove	Yes	AB		0.08	2017				
Auto Body	11070	Vigiani's Auto Body & Paint	707 N. George Washington	Yuba City	Yes	AB	1.22		2015				
Auto Body	11072	Voodoo Customs 101	958 Von Geldern Ste. A	Yuba City	Yes	AB		0.03	2018				
Auto Body	11073	Briceno's Auto Body	629 E. Taber Avenue	Yuba City	Yes	AB		0.04	2019				
Dry Cleaner	12002	Town Cleaners LLC	1290 Stabler Lane	Yuba City	No								
Retail Gas	14108	Plumas Stop & Shop II	869 River Oaks Blvd	Plumas Lake	Yes	GS		7.53	2017				
Retail Gas	14109	Super Power Mart II	7205 Marysville Road	Brownsville	Yes	GS		0.02	2019				
Retail Gas	14110	Taklak, Inc.	5079 Powerline Road	Olivehurst	Yes	GS		9.79	2018				
Printer	15001	Appeal Democrat	1530 Ellis Lake Drive	Marysville	Yes		0.31		2017				
Boilers	16001	Yuba City Unified School Distri	850 B Street	Yuba City	Yes	AB	0.12		2016				
Boilers	16003	Holt of California, Inc.	7310 Pacific Avenue	Pleasant Grove	Yes		6.9		2001				
Boilers	16009	Yuba Community College	2088 North Beale Road	Marysville	Yes		0.5		2015				
Boilers	16013	Marysville Post Office	407 C Street	Marysville	No								
Boilers	16014	Stericycle	1612 Starr Drive	Yuba City	No								
Boilers	16018	Taylor Bros. Farms, Inc.	182 Wilkie Ave	Yuba City	No								
Boilers	16019	Valley Fine Foods Co. Inc.	300 Epley Drive	Yuba City	No								
Boilers	16021	Department of Transportation	5330 Arboga Road	Olivehurst	No								
Boilers	16023	City of Yuba City	421 C Street	Yuba City	No								
Boilers	16025	Geweke Yuba Properties, L.P.	1375 Sunsweet Blvd.	Yuba City	No								
Boilers	16026	Sutter Youth Organization	7740 Butte House Road	Sutter	No								
Boilers	16027	Yuba Community College Distr	3301 East Onstott Road	Yuba City	No								
Boilers	16029	California Packing	1309 Melody Road	Olivehurst	No								
Boilers	16030	Micro Paradox	3560 Sankey Road	Pleasant Grove	No								
Tire Refinishing	18002	North State Tire Company, Inc	1286 Putman Ave	Yuba City	Yes		2.1		2016				
Concrete Batch	20021	The Rock Yard, Inc.	710 N. George Washington	Yuba City	No								
Concrete Batch	20023	Precast Concrete Technologies	1260 Furneaux Road	Olivehurst	No								0
Concrete Batch	20027	Quattor Const. Inc	1630 Acacia Avenue	Sutter	Yes			0.001	2019			1	
Private Gas	21005	Yuba County Water Agency	12700 Lake Francis Road -	Dobbins	No								
Private Gas	21006	Valley Truck and Tractor Comp	1549 Colusa Highway	Yuba City	No								
Private Gas	21007	Cal Trans - District 3 Maintena	1001 North Beale Road	Marysville	No								
Private Gas	21008	California Highway Patrol	1619 Poole Boulevard	Yuba City	No								
Private Gas	21009	Marysville Joint Unified School	1919 B Street	Marysville	No								
Private Gas	21011	Sutter Union High School	2665 Acacia Avenue	Sutter	No								
Private Gas	21015	PG&E	3736 Rancho Road	Marysville	Yes	IWD-ICE	7		2012				
Private Gas	21016	Sutter Mutual Water Co.	15094 Cranmore Road	Kirkville	No								
Private Gas	21017	Plumas Lake Golf and Country	1551 Country Club Road	Olivehurst	No								
Private Gas	21018	Siller Brothers, Inc.	1255 Smith Road	Yuba City	No								
Private Gas	21019	Sutter Buttes Regional Aviatio	100 Airport Rd	Yuba City	No								
Private Gas	21022	CDF	11485 Loma Rica Road	Loma Rica	No								
Private Gas	21023	CDF	9946 Marysville Road	Dobbins	No								
Private Gas	21024	CDF	8839 Highway 20	Smartsville	No								
Private Gas	21026	Linda County Water District	1280 Scales Avenue	Marysville	No								
Private Gas	21027	United Rentals	5616 Lindhurst Ave.	Marysville	No								
Private Gas	21029	PG&E	15871 Central Street	Meridian	No								
Private Gas	21031	Reclamation District #70	1138 4th Street	Meridian	No								
Private Gas	21032	Bear River Supply Inc.	218 Pleasant Grove Rd	Rio Oso	No								
Private Gas	21033	South Sutter Water District	2464 Pacific Ave	Trowbridge	No								
Private Gas	21034	Nor Cal Lumber Company, Inc	4601 Bernice Avenue	Marysville	No								
Private Gas	21035	Twin Cities Equipment Rentals	253 Colusa Ave	Yuba City	No								
Private Gas	21036	Hust Brothers Inc	710 3rd Street	Marysville	No								
Private Gas	21037	Foothill Volunteer Fire Depart	16796 Willow Glen Road	Brownsville	No								
Private Gas	21038	Cal Trans Maintenance Station	1403 Furneaux	Olivehurst	No								
Private Gas	21039	Browns Valley Irrigation Distri	9370 Browns Valley School	Browns Valley	No								
Private Gas	21040	Reclamation District #1500	15094 Cranmore Rd	Robbins	Yes	IWD-ICE	0.003		2010				
Private Gas	21041	Davis Machine Shop Inc	15805 Central Street	Meridian	Yes			4.31	2019				
Private Gas	21042	Department of Water Resourc	6908 Colusa Hwy	Sutter	No								
Private Gas	21043	North Yuba Water District	8691 LaPorte Rd	Brownsville	No								
Private Gas	21044	California Dept of Transportati	304 E. 12th Street	Marysville	No								

