

Appendix F

Energy Worksheets

Appendix F.1

Energy Calculation Worksheets

**CTL 1&2 and Regulator Station Relocation
Construction Energy Analysis**

Annual Fuel Summary

Heavy-Duty Construction Equipment	
553,329	Total Project Consumption
128,681	Annual Consumption
Haul Trucks	
300,708	Total Project Consumption
69,932	Annual Consumption
Vendor Trucks	
39,550	Total Project Consumption
9,198	Annual Consumption
Workers	
51,645	Total Project Consumption
12,010	Annual Consumption
340,258	Project Consumption of diesel for Haul Trucks and Vendors
79,130	Annual Consumption
893,587	Total Gallons Diesel
51,645	Total Gallons Gasoline

4.3 Estimated Project Construction Duration (years)

207,811 Annual Average Gallons Diesel 340,258
12,010 Annual Average Gallons Gasoline

County Transportation Sector		Percent of County Transportation Sector	
Fuel Type	Gallons		
Gasoline	3,577,000,000		0.0003%
Diesel	581,000,000		0.036%
	-		

**CTL 1&2 and Regulator Station Relocation
Construction Energy Analysis**

Off-Road Equipment

0.408 lb/hp-hr
7.07 lb/gal
0.0577 gal/hp-hr
292,234 hp-hr
16,864 gal

0.367 lb/hp-hr
7.07 lb/gal
0.0519 gal/hp-hr
10,334,624 hp-hr
536,465 gal

553,329 gal

Unit/Phase	Construction Phas	Equipment	Number	Hours/Day	HP	Load	Days	Total hp-hr
Unit 1 - Phase 1	Excavation	Concrete/Industrial Saws	1	8	20	0.73	724	84,563
Unit 1 - Phase 1	Excavation	Bore/Drill Rigs	1	8	206	0.5	724	596,576
Unit 1 - Phase 1	Excavation	Cranes	1	8	226	0.29	724	379,608
Unit 1 - Phase 1	Excavation	Excavators	1	8	163	0.38	724	358,756
Unit 1 - Phase 1	Excavation	Generator Sets	1	8	84	0.74	724	360,031
Unit 1 - Phase 1	Excavation	Pumps	1	8	84	0.74	724	360,031
Unit 1 - Phase 1	Excavation	Tractors/Loaders/Backhoes	2	8	98	0.37	724	420,036
Unit 1 - Phase 1	Paving	Air Compressors	1	8	78	0.48	145	43,430
Unit 1 - Phase 1	Paving	Crushing/Proc. Equipment	1	8	85	0.78	145	76,908
Unit 1 - Phase 1	Paving	Pumps	1	8	84	0.74	145	72,106
Unit 1 - Phase 1	Paving	Rubber Tired Dozers	1	8	255	0.4	145	118,320
Unit 1 - Phase 1	Paving	Surfacing Equipment	1	8	254	0.3	145	88,392
Unit 1 - Phase 1	Paving	Tractors/Loaders/Backhoes	1	8	98	0.37	145	42,062
Unit 1 - Phase 2	Excavation	Concrete/Industrial Saws	1	8	20	0.73	380	44,384
Unit 1 - Phase 2	Excavation	Bore/Drill Rigs	1	8	206	0.5	380	313,120
Unit 1 - Phase 2	Excavation	Cranes	1	8	226	0.29	380	199,242
Unit 1 - Phase 2	Excavation	Excavators	1	8	163	0.38	380	188,298
Unit 1 - Phase 2	Excavation	Generator Sets	1	8	84	0.74	380	188,966
Unit 1 - Phase 2	Excavation	Pumps	1	8	84	0.74	380	188,966
Unit 1 - Phase 2	Excavation	Tractors/Loaders/Backhoes	2	8	98	0.37	380	220,461
Unit 1 - Phase 2	Paving	Air Compressors	1	8	78	0.48	76	22,764
Unit 1 - Phase 2	Paving	Crushing/Proc. Equipment	1	8	85	0.78	76	40,310
Unit 1 - Phase 2	Paving	Pumps	1	8	84	0.74	76	37,793
Unit 1 - Phase 2	Paving	Rubber Tired Dozers	1	8	255	0.4	76	62,016
Unit 1 - Phase 2	Paving	Surfacing Equipment	1	8	254	0.3	76	46,330
Unit 1 - Phase 2	Paving	Tractors/Loaders/Backhoes	1	8	98	0.37	76	22,046

Unit 1 - Phase 3	Excavation	Concrete/Industrial Saws	1	8	20	0.73	635	74,168
Unit 1 - Phase 3	Excavation	Bore/Drill Rigs	1	8	206	0.5	635	523,240
Unit 1 - Phase 3	Excavation	Cranes	1	8	226	0.29	635	332,943
Unit 1 - Phase 3	Excavation	Excavators	1	8	163	0.38	635	314,655
Unit 1 - Phase 3	Excavation	Generator Sets	1	8	84	0.74	635	315,773
Unit 1 - Phase 3	Excavation	Pumps	1	8	84	0.74	635	315,773
Unit 2 - Phase 3	Excavation	Tractors/Loaders/Backhoes	2	8	98	0.37	635	368,402
Unit 1 - Phase 3	Paving	Air Compressors	1	8	78	0.48	127	38,039
Unit 1 - Phase 3	Paving	Crushing/Proc. Equipment	1	8	85	0.78	127	67,361
Unit 1 - Phase 3	Paving	Pumps	1	8	84	0.74	127	63,155
Unit 1 - Phase 3	Paving	Rubber Tired Dozers	1	8	255	0.4	127	103,632
Unit 1 - Phase 3	Paving	Surfacing Equipment	1	8	254	0.3	127	77,419
Unit 1 - Phase 3	Paving	Tractors/Loaders/Backhoes	1	8	98	0.37	127	36,840
Unit 2	Excavation	Concrete/Industrial Saws	1	8	20	0.73	634	74,051
Unit 2	Excavation	Bore/Drill Rigs	1	8	206	0.5	634	522,416
Unit 2	Excavation	Cranes	1	8	226	0.29	634	332,419
Unit 2	Excavation	Excavators	1	8	163	0.38	634	314,160
Unit 2	Excavation	Generator Sets	1	8	84	0.74	634	315,276
Unit 2	Excavation	Pumps	1	8	84	0.74	634	315,276
Unit 2	Excavation	Tractors/Loaders/Backhoes	2	8	98	0.37	634	367,821
Unit 2	Paving	Air Compressors	1	8	78	0.48	127	38,039
Unit 2	Paving	Crushing/Proc. Equipment	1	8	85	0.78	127	67,361
Unit 2	Paving	Pumps	1	8	84	0.74	127	63,155
Unit 2	Paving	Rubber Tired Dozers	1	8	255	0.4	127	103,632
Unit 2	Paving	Surfacing Equipment	1	8	254	0.3	127	77,419
Unit 2	Paving	Tractors/Loaders/Backhoes	1	8	98	0.37	127	36,840
Regulator Station	Excavation	Concrete/Industrial Saws	1	8	20	0.73	129	15,067
Regulator Station	Excavation	Bore/Drill Rigs	1	8	206	0.5	129	106,296
Regulator Station	Excavation	Cranes	1	8	226	0.29	129	67,637
Regulator Station	Excavation	Excavators	1	8	163	0.38	129	63,922
Regulator Station	Excavation	Generator Sets	1	8	84	0.74	129	64,149
Regulator Station	Excavation	Pumps	1	8	84	0.74	129	64,149
Regulator Station	Excavation	Tractors/Loaders/Backhoes	2	8	98	0.37	129	74,841
Regulator Station	Paving	Air Compressors	1	8	78	0.48	132	39,537
Regulator Station	Paving	Crushing/Proc. Equipment	1	8	85	0.78	132	70,013
Regulator Station	Paving	Rubber Tired Dozers	1	8	255	0.4	132	107,712
Regulator Station	Paving	Surfacing Equipment	1	8	254	0.3	132	80,467
Regulator Station	Paving	Tractors/Loaders/Backhoes	1	8	98	0.37	132	38,291
							Total HP-HR (>50)	10,334,624
							Total HP-HR (<50)	292,233.60

**CTL 1&2 and Regulator Station Relocation
Construction Energy Analysis**

On-Road Vendor Trucks

			miles/gallon
EMFAC2014 Diesel Fuel Consumption Factor: ¹	0.1538 gallons/mile		6.5
Total Vendor Truck VMT:	251,840 miles		
Total VMT diesel gallons (on-road vendor trucks):	38,743		
<i>Estimated Fuel Savings from</i>			
<i>Anti-Idling Regulation (64 percent based on</i>			
<i>estimated CARB emissions reductions):³</i>			
EMFAC2014 Diesel Fuel Consumption Factor: ²	0.7692 gallons/hour		
Total Vendor Truck Idle-Hours per Year:	1,049 hours		
Total Idling diesel gallons (on-road haul trucks):	807		2,242
Total diesel gallons (on-road haul trucks):	39,550 gal		

1. California Air Resources Board, EMFAC2014 (South Coast Air Basin; HHDT and MHDT; Annual; CY 2018; Aggregate MY; Aggregate Speed)
2. California Air Resources Board, EMFAC2014 (South Coast Air Basin; HHDT and MHDT; Annual; CY 2018; Aggregate MY; 5 miles per hour converted to hourly rate)
3. Source: California Air Resources Board (CARB), 2004. Staff Report: Initial Statement of Reasons for Proposed Rulemaking, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling, Appendix F, July 2004, <https://www.arb.ca.gov/regact/idling/idling.htm>, accessed November 2016.

Unit/Phase	Phase	Days	Trips/Day	Miles/Trip	VMT	Idle Hours
Unit 1 - Phase 1	Asphalt	75	4	20	6000	25
Unit 1 - Phase 1	Excavation	724	4	20	57920	241
Unit 1 - Phase 1	Paving	145	4	20	11600	48
Unit 1 - Phase 2	Asphalt	75	4	20	6000	25
Unit 1 - Phase 2	Excavation	380	4	20	30400	127
Unit 1 - Phase 2	Paving	76	4	20	6080	25
Unit 1 - Phase 3	Asphalt	75	4	20	6000	25
Unit 1 - Phase 3	Excavation	635	4	20	50800	212
Unit 1 - Phase 3	Paving	127	4	20	10160	42
Unit 2	Asphalt	75	4	20	6000	25
Unit 2	Excavation	634	4	20	50720	211
Unit 2	Paving	127	4	20	10,160	42
Regulator Station	Excavation	129	0	20	-	-
Regulator Station	Paving	132	0	20	-	-
Total Vendor Truck VMT:					251,840	
Total Idle-Hours:						1,049

**CTL 1&2 and Regulator Station Relocation
Construction Energy Analysis**

On-Road Workers (LDA, LDT1, LDT2)

EMFAC2014 Gasoline Fuel Consumption Factor:¹ 0.0421 gallons/mile miles/gallon
 Total Worker VMT: 1,227,240 miles 23.8
Total VMT gasoline gallons (workers): 51,645

1. California Air Resources Board, EMFAC2014 (South Coast Air Basin; LDA, LDT1, LDT2; CY 2018; Aggregate MY; Aggregate Speed)

Unit/Phase	Construction Phase	Days	One-Way Trips/Day	Miles/Trip	VMT
Unit 1 - Phase 1	Asphalt	75	24	15	27,000
Unit 1 - Phase 1	Excavation	724	24	15	260,640
Unit 1 - Phase 1	Paving	145	24	15	52,200
Unit 1 - Phase 2	Asphalt	75	24	15	27,000
Unit 1 - Phase 2	Excavation	380	24	15	136,800
Unit 1 - Phase 2	Paving	76	24	15	27,360
Unit 1 - Phase 3	Asphalt	75	24	15	27,000
Unit 1 - Phase 3	Excavation	635	24	15	228,600
Unit 1 - Phase 3	Paving	127	24	15	45,720
Unit 2	Asphalt	75	24	15	27,000
Unit 2	Excavation	634	24	15	228,240
Unit 2	Paving	127	24	15	45,720
Regulator Station R	Excavation	129	24	15	46,440
Regulator Station R	Paving	132	24	15	47,520
Total Worker VMT:					1,227,240

**CTL 1&2 and Regulator Station Relocation
Construction Energy Analysis**

On-Road Haul Trucks

EMFAC2014 Diesel Fuel Consumption Factor:¹ 0.1667 gallons/mile miles/gallon
 Total Haul Truck VMT: 1,767,280 miles 6.00
Total VMT diesel gallons (on-road haul trucks): 294,571

EMFAC2014 Diesel Fuel Consumption Factor:² 0.8334 gallons/hour
 Total Haul Truck Idle-Hours per Year: 7,364 hours
Total Idling diesel gallons (on-road haul trucks): 6,137

*Estimated Fuel Savings from
 Anti-Idling Regulation (64 percent based on
 estimated CARB emissions reductions):³
 17,047*

Total diesel gallons (on-road haul trucks): 300,708 gal

1. California Air Resources Board, EMFAC2014 (South Coast Air Basin; T7 Single Construction; Annual; CY 2017; Aggregate MY; Aggregate Speed)
2. California Air Resources Board, EMFAC2014 (South Coast Air Basin; T7 Single Construction; Annual; CY 2017; Aggregate MY; 5 miles per hour converted to hourly rate)
3. Source: California Air Resources Board (CARB), 2004. Staff Report: Initial Statement of Reasons for Proposed Rulemaking, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling, Appendix F, July 2004, <https://www.arb.ca.gov/regact/idling/idling.htm>, accessed November 2016.

Phase/Unit	Construction Phase	Days	One Way Trips/day	Total One-Way Trips	Miles/Trip	VMT	Idle Hours
Unit 1 - Phase 1	Asphalt	75	28	2100	20	42,000	175
Unit 1 - Phase 1	Excavation	724	28	20272	20	405,440	1,689
Unit 1 - Phase 1	Paving	145	28	4060	20	81,200	338
Unit 1 - Phase 2	Asphalt	75	28	2100	20	42,000	175
Unit 1 - Phase 2	Excavation	380	28	10640	20	212,800	887
Unit 1 - Phase 2	Paving	76	28	2128	20	42,560	177
Unit 1 - Phase 3	Asphalt	75	28	2100	20	42,000	175
Unit 1 - Phase 3	Excavation	635	28	17780	20	355,600	1,482
Unit 1 - Phase 3	Paving	127	28	3556	20	71,120	296
Unit 2	Asphalt	75	28	2100	20	42,000	175
Unit 2	Excavation	634	28	17752	20	355,040	1,479
Unit 2	Paving	127	28	3556	20	71,120	296
Regulator Station	Excavation	129	1.7	220	20	4,400	18
Regulator Station	Paving	132	0	0	20	-	-
Total Haul Truck VMT:						1,767,280	
Total Idle-Hours:						7,364	

Appendix F.2
CEC County Fuel
Consumption Data

Retail Gasoline Sales by County

(Millions of Gallons)

	2010		2011		2012 [#]		2013 [#]		2014 [#]		2015 [#]		2016 [#]	
	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals
Alameda	456	551	476	548	480	568	473	603	341	491	432	542	518	582
Amador	12	15	12	14	12	14	10	12	11	15	10	13	12	14
Butte	66	81	70	81	66	78	64	81	59	85	62	78	74	83
Calaveras	11	14	12	14	10	12	10	13	10	14	11	14	13	15
Colusa	13	17	9	11	8	10	10	13	7	10	7	9	10	11
Contra Costa	332	403	344	395	354	419	331	422	272	392	303	380	384	431
Del Norte	6	8	6	7	6	7	4	5	5	7	5	6	6	7
El Dorado	55	68	57	67	64	75	56	72	36	52	65	81	72	81
Fresno	285	342	290	335	288	341	269	344	209	300	264	331	318	358
Glenn	12	14	12	14	11	12	11	14	11	16	13	16	15	17
Humboldt	44	54	46	54	45	53	51	64	31	44	47	59	54	61
Imperial	56	69	51	60	46	54	46	58	58	83	63	79	77	86
Inyo	16	19	16	18	13	16	12	16	12	17	14	18	16	18
Kern	293	362	36	359	301	356	287	367	267	384	299	375	362	407
Kings	42	51	18	48	40	47	38	48	31	45	41	51	50	57
Lake	20	25	18	22	17	20	19	24	17	25	19	23	7	8
Lassen	6	7	6	7	5	6	5	6	6	8	7	9	19	21
Los Angeles	3,005	3,658	3,069	3,554	2,916	3,451	2,700	3,445	2,606	3,749	2,762	3,465	3,184	3,577
Madera	47	57	54	61	44	53	43	54	31	45	35	44	52	59
Marin	78	94	91	103	91	107	83	106	52	75	83	105	91	102
Mariposa	6	7	6	7	5	6	4	5	6	9	5	6	7	8
Mendocino	33	41	34	40	36	43	33	42	28	40	32	40	37	42
Merced	86	106	81	95	78	92	74	94	58	83	84	105	101	114
Mono	6	7	5	6	2	2	6	8	6	8	6	7	7	8
Monterey	124	152	134	155	124	147	139	177	87	126	147	184	157	177
Napa	42	52	42	47	49	58	41	52	27	39	50	63	50	57
Nevada	34	42	30	35	29	34	19	25	19	27	31	40	36	40
Orange	1,162	1,406	1,162	1,338	1,145	1,355	1,044	1,332	1,018	1,465	1,092	1,370	1,224	1,375
Placer	154	190	162	189	162	192	131	167	118	170	167	209	181	204
Plumas	6	7	7	8	6	7	3	4	5	8	5	7	5	5
Riverside	781	952	792	916	756	895	725	925	702	1,010	828	1,039	921	1,035
Sacramento	467	566	482	553	473	560	446	568	308	442	465	584	534	600
San Benito	15	18	14	16	17	20	5	7	10	14	12	15	15	17
San Bernardino	747	902	761	871	742	878	697	889	659	948	725	909	899	1,010
San Diego	1,094	1,320	1,122	1,291	1,079	1,277	972	1,241	940	1,352	1,123	1,408	1,221	1,372
San Francisco	112	138	129	151	126	149	126	161	71	102	107	134	119	134
San Joaquin	248	303	260	301	253	299	254	325	217	312	287	360	303	340
San Luis Obispo	121	147	123	144	105	124	109	140	101	145	117	147	127	142
San Mateo	232	275	272	310	258	306	244	311	159	229	243	304	289	325
Santa Barbara	141	174	140	164	140	166	135	172	124	178	148	186	161	181
Santa Clara	514	621	600	691	589	697	546	696	460	661	580	727	638	717
Santa Cruz	84	103	91	106	89	105	79	101	53	77	77	96	85	95
Shasta	72	88	73	85	77	91	65	83	55	79	76	95	73	82
Siskiyou	20	25	17	19	19	23	9	12	10	14	21	27	24	27
Solano	158	190	191	218	180	213	158	202	116	167	160	201	187	210
Sonoma	157	189	155	178	160	189	163	208	146	210	160	201	186	209
Stanislaus	191	230	184	212	173	205	144	183	159	229	201	252	217	244
Sutter	30	37	31	37	34	40	33	42	17	24	30	38	35	39
Tehama	27	33	24	28	23	27	19	24	18	26	24	30	25	29
Trinity	3	4	3	4	1	2	3	4	3	4	3	4	4	5
Tulare	109	132	121	139	120	142	91	116	107	155	114	143	136	152
Tuolumne	14	17	13	16	15	18	12	15	14	21	18	23	21	23
Ventura	285	345	290	335	262	310	246	314	249	358	256	321	294	330
Yolo	82	100	76	87	74	87	75	96	63	90	82	103	98	110
Yuba	24	29	26	30	22	26	23	30	14	20	24	30	32	36
Other Counties	2	3	2	2	1	2	1	1	1	2	2	2	2	2
Total	12,238	14,860	12,644	14,596	12,241	14,486	11,396	14,540	10,220	14,701	12,044	15,108	13,785	15,491

[#] 2012-2016 data are not directly comparable to other years since an improved methodology is used, but is within 5 percent compared to the previous methodology.

* Other Counties include Alpine, Modoc and Sierra.

Retail Diesel Sales by County

(Millions of Gallons)

County	2010		2011		2012#		2013#		2014#		2015#		2016#	
	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals	Survey Responses	Estimated Totals
Alameda	29	32	26	28	30	36	27	33	19	27	38	46	47	52
Amador	2	2	2	2	2	2	1	1	1	2	1	2	2	2
Butte	9	10	9	10	7	9	8	9	8	11	9	11	10	12
Calaveras	2	2	2	2	2	2	1	2	1	2	2	2	3	3
Colusa	3	3	2	3	4	5	4	5	2	2	3	4	4	4
Contra Costa	15	18	19	21	17	20	17	21	12	17	19	23	23	26
Del Norte	1	2	1	1	1	1	1	1	1	1	1	2	2	2
El Dorado	6	8	6	7	6	7	5	6	4	6	7	9	8	9
Fresno	30	33	35	38	33	40	23	28	18	25	39	48	40	45
Glenn	5	5	4	4	4	5	4	5	4	5	5	6	12	13
Humboldt	10	12	10	12	10	12	11	13	4	5	10	12	13	14
Imperial	9	10	8	9	7	8	8	9	8	11	9	11	14	16
Inyo	3	4	3	4	2	2	3	4	3	3	3	4	3	4
Kern	111	117	125	129	132	158	118	142	124	172	125	152	131	145
Kings	7	7	7	8	7	9	5	6	4	6	7	8	5	6
Lake	3	3	3	3	2	2	2	3	2	3	3	3	1	1
Lassen	1	1	1	2	1	1	1	1	1	2	3	3	4	4
Los Angeles	212	235	221	239	205	244	190	230	194	269	257	313	273	302
Madera	23	24	23	24	24	28	18	22	22	31	26	31	28	31
Marin	3	4	2	3	3	3	2	2	2	2	2	3	4	4
Mariposa	1	1	1	1	1	1	-	1	2	3	1	1	1	2
Mendocino	6	7	7	8	7	9	6	7	4	5	6	7	9	10
Merced	44	45	37	38	46	54	49	60	49	68	54	66	59	65
Mono	1	1	1	1	< 0.5	1	1	1	1	1	1	1	1	1
Monterey	21	23	24	26	25	30	22	26	13	18	23	28	24	27
Napa	2	2	2	2	6	7	2	3	2	3	6	7	6	7
Nevada	5	5	5	5	4	4	1	2	4	6	7	8	8	9
Orange	38	47	36	42	38	46	33	40	37	51	46	56	52	58
Placer	13	16	13	15	12	15	9	11	10	13	13	16	15	17
Plumas	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Riverside	84	93	87	94	89	107	86	105	100	139	119	146	128	142
Sacramento	33	37	32	35	27	32	18	21	21	30	28	34	37	41
San Bernardino	141	149	136	142	158	188	164	199	152	211	198	241	223	247
San Diego	69	80	64	72	62	74	58	71	67	93	87	106	93	102
San Francisco	3	3	3	3	3	4	4	5	1	2	5	6	6	6
San Joaquin	73	75	85	87	83	100	90	109	87	120	103	125	116	128
San Luis Obispo	12	14	16	18	11	13	9	11	12	17	19	23	20	23
San Mateo	10	12	8	10	8	10	8	10	4	6	15	18	13	14
Santa Barbara	13	14	16	17	10	13	12	14	13	18	20	24	22	24
Santa Clara	23	26	26	28	27	32	28	34	25	35	36	45	30	33
Santa Cruz	4	5	5	6	4	5	4	5	2	3	5	6	5	6
Shasta	20	23	19	21	16	19	18	22	13	18	21	26	21	24
Siskiyou	5	6	11	11	16	20	15	18	16	21	20	25	19	21
Solano	14	17	18	20	14	16	14	16	8	11	14	18	17	18
Sonoma	14	16	18	19	13	16	14	18	12	17	15	19	20	23
Stanislaus	33	36	27	29	25	30	15	18	20	27	26	31	20	22
Sutter	4	5	2	3	3	4	4	5	2	3	4	5	5	6
Tehama	31	32	38	39	35	42	37	45	25	35	37	46	35	39
Tulare	23	25	33	35	27	32	31	37	31	43	34	41	37	41
Tuolumne	2	2	2	2	1	2	2	2	2	2	2	2	2	3
Ventura	20	23	32	34	23	27	23	27	25	34	27	33	29	32
Yolo	33	34	26	27	27	33	30	36	29	40	27	33	31	35
Yuba	4	4	4	5	3	4	3	4	2	3	2	3	4	5
Other Counties*	1	2	2	2	1	2	1	1	1	2	2	2	3	3
Total	1,285	1,414	1,346	1,447	1,325	1,587	1,261	1,528	1,227	1,701	1,593	1,942	1,743	1,930

2012-2016 data are not directly comparable to other years since an improved methodology is used, but is within 5 percent compared to the previous methodology.

* Other Counties include Alpine, Modoc, San Benito, Sierra and Trinity.

Note: Non-Retail diesel sales, which comprise approximately 48% of all diesel sales, are not reported in this chart.