

Attachment 3. Analysis inputs and results, primary fuels mix metric^a

PADD	Year	<i>Inputs</i>					<i>Results</i>			Obs. (kg/m ³)	Δ (%)
		Obs. CO ₂ (kg/m ³)	Motor gas-oline (%)	Jet kero-sene (%)	Distillate fuel (%)	Capacity ut. (%)	Emit pred. Lower	95% confidence Central	Upper		
1	1999	281	46.6	7.0	26.3	90.9	275	289	303	281	0
1	2000	276	45.2	6.3	27.9	91.7	272	286	300	276	0
1	2001	288	45.8	5.3	29.1	87.2	270	284	298	288	0
1	2002	278	46.7	5.3	28.1	88.9	267	281	295	278	0
1	2003	274	46.4	5.2	27.2	92.7	264	278	292	274	0
1	2004	278	46.5	6.1	26.6	90.4	273	286	300	278	0
1	2005	277	46.6	5.7	28.8	93.1	260	273	287	277	0
1	2006	277	45.8	5.1	29.2	86.7	270	284	298	277	0
1	2007	288	45.5	5.0	29.4	85.6	272	286	300	288	0
1	2008	296	44.6	5.7	29.6	80.8	284	299	314	296	0
2	1999	263	51.1	6.6	24.8	93.3	256	270	284	263	0
2	2000	261	50.4	6.9	25.7	94.2	256	270	284	261	0
2	2001	263	51.1	6.6	26.0	93.9	251	266	280	263	0
2	2002	264	52.0	6.7	25.4	90.0	257	271	285	264	0
2	2003	257	51.5	6.2	26.0	91.6	252	266	280	257	0
2	2004	261	51.6	6.4	25.7	93.6	250	264	279	261	0
2	2005	270	50.4	6.5	27.1	92.9	252	266	280	270	0
2	2006	284	49.4	6.2	27.3	92.4	256	270	283	284	0
2	2007	287	49.8	6.1	28.2	90.1	255	269	282	287	2
2	2008	289	48.5	6.3	30.0	88.4	258	272	286	289	1
3	1999	326	44.8	11.1	21.1	94.7	306	320	334	326	0
3	2000	328	44.7	11.1	21.9	93.9	306	319	333	328	0
3	2001	315	44.3	10.5	22.8	94.8	301	315	328	315	0
3	2002	322	45.4	10.3	22.3	91.5	303	317	330	322	0
3	2003	319	44.8	9.9	23.0	93.6	298	312	326	319	0
3	2004	309	44.6	10.0	23.5	94.1	297	311	324	309	0
3	2005	308	43.8	10.2	24.5	88.3	307	321	335	308	0
3	2006	324	43.5	9.7	25.2	88.7	304	318	332	324	0
3	2007	317	43.2	9.4	26.0	88.7	302	315	329	317	0
3	2008	325	41.6	9.6	28.4	83.6	309	323	338	325	0
5	1999	345	44.7	15.8	18.3	87.1	343	357	372	345	0
5	2000	358	45.7	16.2	18.5	87.5	339	353	368	358	0
5	2001	350	45.5	16.0	19.2	89.1	335	349	363	350	0
5	2002	338	47.3	16.0	19.0	90.0	327	341	355	338	0
5	2003	339	47.2	16.0	19.5	91.3	323	337	351	339	0
5	2004	340	47.3	16.2	19.5	90.4	325	339	353	340	0
5	2005	334	47.3	16.2	20.4	91.7	320	334	348	334	0
5	2006	337	47.7	15.3	20.3	90.5	318	332	346	337	0
5	2007	352	46.6	15.6	20.8	87.6	327	340	354	352	0
5	2008	338	45.6	17.5	21.6	88.1	334	348	362	338	0
Calif. avg. 2004			53.4	13.7	17.3	93.0	294	308	323	354	9
Calif. avg. 2005			53.3	13.6	18.8	95.0	286	301	316	358	13
Calif. avg. 2006			53.9	13.3	18.7	91.5	289	303	318	384	21
Calif. avg. 2007			53.7	12.9	19.2	88.3	293	307	321	401	25
Calif. avg. 2008			50.6	15.7	20.6	91.0	306	320	334	383	15
Calif. avg. 2009			53.5	14.3	18.7	82.9	309	323	336	397	18

^a Observed emissions vs motor gasoline, distillate, and jet kerosene yield with refinery capacity utilization analyzed by partial least squares (PLS) regression. Data from Table 2-1.