

Appendix I

Vehicle Miles Traveled Calculations

DCPP Employee Commute Calculations

Zipcode	Distance to DCPP Gate (miles)	Existing Employees	Percent of Existing Employees in Zipcode	Phase 1 Employee Distribution	Phase 2 Employee Distribution	Employees per Vehicle (All Phases)	Existing Employee Vehicles (carpool adjusted)	Phase 1 Employee Vehicles (carpool adjusted)	Phase 2 Employee Vehicles (carpool adjusted)
93401	11.9	134	11.6%	100	31	1.4	93	69	21
93405	12.8	62	5.4%	46	14	1.4	43	32	10
93420	35.8	176	15.2%	131	41	1.4	122	91	28
93422	30.5	161	13.9%	120	37	1.4	111	83	26
93424	2.9	10	0.9%	7	2	1.4	7	5	1
93426	60.2	2	0.2%	1	0	1.4	1	1	0
93428	43.9	1	0.1%	1	0	1.4	1	1	0
93430	31.9	3	0.3%	2	1	1.4	2	1	1
93432	41.0	7	0.6%	5	2	1.4	5	3	1
93433	13.4	60	5.2%	45	14	1.4	42	31	10
93434	25.4	4	0.3%	3	1	1.4	3	2	1
93436	52.1	4	0.3%	3	1	1.4	3	2	1
93440	45.1	1	0.1%	1	0	1.4	1	1	0
93442	25.6	20	1.7%	15	5	1.4	14	10	3
93444	31.1	107	9.2%	80	25	1.4	74	55	17
93445	12.4	24	2.1%	18	6	1.4	17	12	4
93446	41.8	109	9.4%	81	25	1.4	75	56	17
93449	6.4	47	4.1%	35	11	1.4	33	24	8
93451	53.8	3	0.3%	2	1	1.4	2	1	1
93453	53.0	8	0.7%	6	2	1.4	6	4	1
93454	37.2	27	2.3%	20	6	1.4	19	14	4
93455	34.7	85	7.3%	63	20	1.4	59	44	14
93458	27.5	17	1.5%	13	4	1.4	12	9	3
93461	55.0	1	0.1%	1	0	1.4	1	1	0
93465	43.7	52	4.5%	39	12	1.4	36	27	8
93402	18.8	32	2.8%	24	7	1.4	22	17	5
TOTAL		1157		862	268		804	596	185

Zipcode	Existing Employee Round-Trip VMT (To DCPG Gate)	Existing Employee Round-Trip VMT (To DCPG)	Phase 1 Employee Round-Trip VMT (To DCPG Gate)	Phase 1 Employee Round-Trip VMT (To DCPG)	Phase 2 Employee Round-Trip VMT (To DCPG Gate)	Phase 2 Employee Round-Trip VMT (To DCPG)
93401	2213.4	3515.4	1642.2	2608.2	499.8	793.8
93405	1100.8	1702.8	819.2	1267.2	256	396
93420	8735.2	10443.2	6515.6	7789.6	2004.8	2396.8
93422	6771	8325	5063	6225	1586	1950
93424	40.6	138.6	29	99	5.8	19.8
93426	120.4	134.4	120.4	134.4	0	0
93428	87.8	101.8	87.8	101.8	0	0
93430	127.6	155.6	63.8	77.8	63.8	77.8
93432	410	480	246	288	82	96
93433	1125.6	1713.6	830.8	1264.8	268	408
93434	152.4	194.4	101.6	129.6	50.8	64.8
93436	312.6	354.6	208.4	236.4	104.2	118.2
93440	90.2	104.2	90.2	104.2	0	0
93442	716.8	912.8	512	652	153.6	195.6
93444	4602.8	5638.8	3421	4191	1057.4	1295.4
93445	421.6	659.6	297.6	465.6	99.2	155.2
93446	6270	7320	4681.6	5465.6	1421.2	1659.2
93449	422.4	884.4	307.2	643.2	102.4	214.4
93451	215.2	243.2	107.6	121.6	107.6	121.6
93453	636	720	424	480	106	120
93454	1413.6	1679.6	1041.6	1237.6	297.6	353.6
93455	4094.6	4920.6	3053.6	3669.6	971.6	1167.6
93458	660	828	495	621	165	207
93461	110	124	110	124	0	0
93465	3146.4	3650.4	2359.8	2737.8	699.2	811.2
93402	827.2	1135.2	639.2	877.2	188	258
TOTAL	44824.2	56080.2	33268.2	41612.2	10290	12880
Per Employee	38.7	48.5	38.6	48.3	38.4	48.1

Truck VMT Calculations

Mode	Destination	Miles per Trip	Round Trip Miles	Phase 1 VMT	Phase 2 VMT
Direct Truck	Nevada (US Ecology)	500	1000	257000	20000
Direct Truck	Texas (Andrews)	1229	2458	24580	0
Direct Truck	Port of Long Beach or Utah (Salt Lake City)	886	1772	0	74424
Direct Truck	Utah (Clive)	881	1762	7048	0
Direct Truck	Arizona (La Paz)	471	942	0	56520
Direct Truck or Truck to Rail	Utah (Clive) or Texas (Andrews)	1229	2458	49160	0
Direct Transport Vehicle or Truck to Rail	Utah (Clive) or Texas (Andrews)	1229	2458	103236	0
Direct Truck	Utah (Clive) or Texas (Andrews)	1229	2458	142564	0
Truck to Rail	Santa Maria Valley Railyards	39	77	2864	0
Direct Truck	Topsoil Trucks to DCPP Site	84	168	0	296032

DIRECT TRUCK

Phase	Years	Weeks	Working Days	Phase VMT	Phase VMT per Working Day	Number of Truck Trips	Daily Truck Round Trips
Phase 1	7	364	1456	586452	402.78	391	0.27
Phase 2	7	364	1456	446976	306.99	1,882	1.29

TRUCK TO RAIL

Phase	Years	Weeks	Working Days	Phase VMT	Phase VMT per Working Day	Number of Truck Trips	Daily Truck Round Trips
Phase 1	7	364	1456	2864	1.97	37	0.03
Phase 2	7	364	1456	0	0.00	0	0

Alternative 7 DCPD Employee Commute Calculations

Zipcode	Distance to DCPD Gate (miles)	Existing Employees	Percent of Existing Employees in Zipcode	Phase 1 Employee Distribution	Alternative 7 (including Phase 2) Employee Distribution	Employees per Vehicle (All Phases)	Existing Employee Vehicles (carpool adjusted)	Phase 1 Employee Vehicles (carpool adjusted)	Alternative 7 (Including Phase 2) Employee Vehicles (carpool adjusted)
93401	11.9	134	11.6%	100	65	1.4	93	69	45
93405	12.8	62	5.4%	46	30	1.4	43	32	21
93420	35.8	176	15.2%	131	85	1.4	122	91	59
93422	30.5	161	13.9%	120	78	1.4	111	83	54
93424	2.9	10	0.9%	7	5	1.4	7	5	3
93426	60.2	2	0.2%	1	1	1.4	1	1	1
93428	43.9	1	0.1%	1	0	1.4	1	1	0
93430	31.9	3	0.3%	2	1	1.4	2	1	1
93432	41.0	7	0.6%	5	3	1.4	5	3	2
93433	13.4	60	5.2%	45	29	1.4	42	31	20
93434	25.4	4	0.3%	3	2	1.4	3	2	1
93436	52.1	4	0.3%	3	2	1.4	3	2	1
93440	45.1	1	0.1%	1	0	1.4	1	1	0
93442	25.6	20	1.7%	15	10	1.4	14	10	7
93444	31.1	107	9.2%	80	52	1.4	74	55	36
93445	12.4	24	2.1%	18	12	1.4	17	12	8
93446	41.8	109	9.4%	81	53	1.4	75	56	37
93449	6.4	47	4.1%	35	23	1.4	33	24	16
93451	53.8	3	0.3%	2	1	1.4	2	1	1
93453	53.0	8	0.7%	6	4	1.4	6	4	3
93454	37.2	27	2.3%	20	13	1.4	19	14	9
93455	34.7	85	7.3%	63	41	1.4	59	44	28
93458	27.5	17	1.5%	13	8	1.4	12	9	6
93461	55.0	1	0.1%	1	1	1.4	1	1	1
93465	43.7	52	4.5%	39	26	1.4	36	27	18
93402	18.8	32	2.8%	24	15	1.4	22	17	10
TOTAL		1157		862	560		804	596	388

Zipcode	Existing Employee Round-Trip VMT (To DCPG Gate)	Existing Employee Round-Trip VMT (To DCPG)	Phase 1 Employee Round-Trip VMT (To DCPG Gate)	Phase 1 Employee Round-Trip VMT (To DCPG)	Alternative 7 (Including Phase 2) Round Trip VMT (To DCPG Gate)	Alternative 7 (Including Phase 2) Round Trip VMT (To DCPG)
93401	2213.4	3515.4	1642.2	2608.2	1071	1701
93405	1100.8	1702.8	819.2	1267.2	537.6	831.6
93420	8735.2	10443.2	6515.6	7789.6	4224.4	5050.4
93422	6771	8325	5063	6225	3294	4050
93424	40.6	138.6	29	99	17.4	59.4
93426	120.4	134.4	120.4	134.4	120.4	134.4
93428	87.8	101.8	87.8	101.8	0	0
93430	127.6	155.6	63.8	77.8	63.8	77.8
93432	410	480	246	288	164	192
93433	1125.6	1713.6	830.8	1264.8	536	816
93434	152.4	194.4	101.6	129.6	50.8	64.8
93436	312.6	354.6	208.4	236.4	104.2	118.2
93440	90.2	104.2	90.2	104.2	0	0
93442	716.8	912.8	512	652	358.4	456.4
93444	4602.8	5638.8	3421	4191	2239.2	2743.2
93445	421.6	659.6	297.6	465.6	198.4	310.4
93446	6270	7320	4681.6	5465.6	3093.2	3611.2
93449	422.4	884.4	307.2	643.2	204.8	428.8
93451	215.2	243.2	107.6	121.6	107.6	121.6
93453	636	720	424	480	318	360
93454	1413.6	1679.6	1041.6	1237.6	669.6	795.6
93455	4094.6	4920.6	3053.6	3669.6	1943.2	2335.2
93458	660	828	495	621	330	414
93461	110	124	110	124	110	124
93465	3146.4	3650.4	2359.8	2737.8	1573.2	1825.2
93402	827.2	1135.2	639.2	877.2	376	516
TOTAL	44824.2	56080.2	33268.2	41612.2	21705.2	27137.2
Per Employee	38.7	48.5	38.6	48.3	38.8	48.5

Alternative 7 Truck VMT Calculations

Mode	Destination	Miles per Trip	Round Trip Miles	Phase 1 VMT	Phase 2 VMT	Alternative 7 Phase 1 VMT	Alternative 2 Phase 1 VMT
Direct Truck	Nevada (US Ecology)	500	1,000	257,000	20,000	-	-
Direct Truck	Texas (Andrews)	1,229	2,458	24,580	-	-	-
Direct Truck	Port of Long Beach or Utah (Salt Lake City)	886	1,772	-	74,424	-	-
Direct Truck	Utah (Clive)	881	1,762	7,048	-	-	-
Direct Truck	Arizona (La Paz)	471	942	-	56,520	-	-
Direct Truck or Truck to Rail	Utah (Clive) or Texas (Andrews)	1,229	2,458	49,160	-	-	-
Direct Transport Vehicle or Truck to Rail	Utah (Clive) or Texas (Andrews)	1,229	2,458	103,236	-	-	-
Direct Truck	Utah (Clive) or Texas (Andrews)	1,229	2,458	142,564	-	-	-
Truck to Rail	Santa Maria Valley Railyards	39	77	2,864	-	-	-
Direct Truck	Topsoil Trucks to DCPD Site	84	168	-	296,032	-	-
Direct Truck	Las Vegas, NV	440	880	-	-	3,534,080	10,043,440
Direct Truck	LaPaz, AZ	463	926	-	-	610,234	13,553,862
Direct Truck	Beatty, NV	426	851	-	-	851	-
Direct Truck	Los Angeles, CA	200	400	-	-	75,799	-
Direct Truck	Concrete Cap Movement	50	100	-	-	29,171	-
Direct Truck	Fill Material Movement	0.002	0.005	-	-	20	-

DIRECT TRUCK

Phase	Years	Weeks	Working Days	Phase VMT	Phase VMT per Working Day	Number of Truck Trips	Daily Truck Round Trips
Phase 1	7	364	1456	586,452	402.78	391	0.27
Phase 2	7	364	1456	446,976	306.99	1,882	1.29
Phase 1 (with Alternative 7)	4	208	832	3,044,958	5,743.54	9,839	11.83
Phase 2 (with Alternative 7)	5	260	1040	13,808,605	23,119.50	27,932	26.86

TRUCK TO RAIL

Phase	Years	Weeks	Working Days	Phase VMT	Phase VMT per Working Day	Number of Truck Trips	Daily Truck Round Trips
Phase 1	7	364	1456	2864	1.97	37	0.03
Phase 2	7	364	1456	0	0.00	0	0
Phase 1 (with Alternative 7)	4	208	832	0	0.00	0	0
Phase 2 (with Alternative 7)	5	260	1040	0	0.00	0	0