

APPENDIX D Tables and Graphs Referenced in the Draft EIS

This appendix lists all tables and graphs for each section within this EIS. The purpose of this appendix is to streamline the EIS and gather into one location for the reader all tables and graphs not already reflected in the technical appendices. Where the EIS refers directly to a technical appendix for a table or graph please refer to that appendix; tables and graphs included in the technical appendices are not reproduced here.

CHAPTER 2, PROJECT DESCRIPTION

The following tables are referenced in Chapter 2 of the EIS.

Table 2-1
Construction Equipment and Vehicles

Equipment	Use
Air compressors	Provide compressed air for vehicles
Cranes	Lifting turbine materials for installation
Generator sets	Provide electricity and lighting
Graders	Road and pad construction
Pavers	Road construction
Paving equipment	Road construction
Pumps	Pumping water to various sites within the Project Site
Rollers	Road and pad compaction
Rough-terrain forklifts	Lifting equipment and pre-erection assembly
Track dozers	Road and pad construction
Scrapers	Road construction preparation
Tractors/loaders/backhoes	General use
Trenchers	Digging trenches for underground utilities
Welders	Assembly
Water trucks	Compaction, erosion, and dust control
Delivery trucks	Hauling road and pad material

Table 2-2
Impact Acreages of the Project Alternatives

Project Alternative	Approximate Impact (Acres)
Alternative 1: Full Build-Out Alternative, Approximately	Campo Wind Facilities = 800
252 MW	Boulder Brush Facilities = 200
	Total Project 1,000
Alternative 2: Reduced Intensity Alternative,	Campo Wind Facilities = 655
Approximately 202 MW	Boulder Brush Facilities = 200
	Total Project 855
No Action Alternative	0

MW = megawatts.



Table 2-3
Comparison of Effects for Project Alternatives

	Alternative 1:	Alternative 2:	
Effects	Approximately 252 MW	Approximately 202 MW	No Action Alternative
Permanent footprint/temporary footprint	Approx. 1,000 acres	Approx. 855 acres	0 acres/0 acres
Turbines	60	48	0
Land resources	Not adverse	Reduced in severity – not adverse	No impact
Water resources	Not adverse	Reduced in severity – not adverse	No impact
Air quality	Not adverse ^a	Reduced in severity – not adverse ^a	No impact
Biological resources	Not adverse with implementation of recommended mitigation	Reduced in severity – not adverse with implementation of recommended mitigation	No impact
Greenhouse gas emissions and climate change	No effect	No effect	No impact
Cultural resources	Not adverse with implementation of recommended mitigation	Reduced in severity – not adverse with implementation of recommended mitigation	No impact
Socioeconomic resources	Adverse unavoidable (visual and noise)	Reduced in severity – adverse unavoidable (visual and noise)	No impact
Resource use patterns	Not adverse	Reduced in severity – not adverse.	No impact
Traffic and transportation	Not adverse with implementation of recommended mitigation.	Reduced in severity – not adverse with implementation of recommended mitigation.	No impact
Noise	Adverse unavoidable	Reduced in severity – adverse unavoidable	No impact
Visual resources	Adverse unavoidable	Reduced in severity – adverse unavoidable	No impact
Public health and safety	Not adverse with implementation of recommended mitigation.	Reduced in severity – not adverse with implementation of recommended mitigation.	No impact
Other issues discussed in this Draft EIS	Not adverse	Reduced in severity – not adverse.	No impact
Cumulative	Adverse unavoidable (visual)	Reduced in severity – adverse unavoidable	No impact

EIS = Environmental Impact Statement.

^a Significant unavoidable air quality impacts are identified under state standards for air quality during construction.



CHAPTER 3, AFFECTED ENVIRONMENT AND AREAS NOT FURTHER DISCUSSED

3.2 Water Resources

The following tables are referenced in Section 3.2 of the EIS.

Table 3.2-1 Watershed Designations by Agency/Source

Agency/Source	Analysis Scale	HUC/Basin No.	Name	Size (Sq. Mi.)
USGS Watershed	Basin	180703	Laguna–San Diego Coastal	5,460
Boundary Dataset		181002	Salton Sea	8,220
	Sub-basin	18070305	Cottonwood-Tijuana	1,719
		18100202	Carrizo Creek	654
	Watershed	1807030511	Tecate Creek	167
		1807030509	Upper Cottonwood Creek	148
		1807030505	Arroyo Seco	199
		1810020202	Upper Carrizo Creek	238
	Subwatershed	180703051101	Miller Creek-Campo Creek	42
		180703051102	Campo Valley-Campo Creek	32
		180703050901	La Posta Creek	47
		180703050501	Santa Margarita	32
		181002020204	Tule Creek	34
		181002020205	Walker Canyon-Carrizo Creek	35
San Diego RWQCB	RWQCB Region	9	San Diego	3,849
Basin Plan		7	Colorado River	19,925
	Hydrologic Unit	911.00	Tijuana	467
		722.00	Anza-Borrego	1,501
	Hydrologic Area	911.80	Campo	108
		911.70	Cameron	47
		722.70	Jacumba	135
	Hydrologic Sub-Area	911.82	Canyon City	50
		911.83	Clover Flat	27
		911.84	Hill	12
		911.85	Hipass	10
		722.71	McCain	110

Sources: USGS 2016; San Diego RWQCB 2016; Colorado River RWQCB 2017.

Notes: HUC = hydrologic unit code; sq. mi. = square miles; USGS = U.S. Geological Survey; RWQCB = Regional Water Quality Control Board.

Table 3.2-2 Clean Water Act Section 303(d) Impairments

			TMDL	
Name	Pollutant/ Stressor	Potential Sources	Status	Year
Cottonwood Creek	Selenium	Source unknown	Scheduled	2019
	Indicator bacteria	Source unknown	Scheduled	2029
Morena Reservoir	рH	Source unknown, unknown nonpoint source	Scheduled	2019
	Nitrogen	Source unknown	Scheduled	2023
	Ammonia as nitrogen	Agriculture–animal, natural sources, unknown nonpoint source	Scheduled	2019
	Manganese	Source unknown	Scheduled	2019
	Phosphorus	Natural sources, unknown nonpoint source, urban runoff/storm sewers	Scheduled	2021
	Color	Agriculture	Scheduled	2019
Barrett Lake	Perchlorate	Source unknown	Scheduled	2019
	рH	Source unknown	Scheduled	2019
	Total nitrogen as N	Natural sources, unknown nonpoint source, urban runoff/storm sewers	Scheduled	2019
	Phosphorus	Source unknown	Scheduled	2023
	Manganese	Source unknown	Scheduled	2019
	Color	Source unknown	Scheduled	2019
Campo Creek	Indicator bacteria	Source unknown	Scheduled	2029

Source: SWRCB 2018.

Notes: TMDL = total maximum daily load.

3.3 Air Quality

The following table is referenced in Section 3.3 of the EIS.

Table 3.3-1 Ambient Air Quality Standards

		California Standards ^a	National Standards ^b	
Pollutant	Averaging Time	Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
O ₃	1 hour	0.09 ppm (180 μg/m³)	_	Same as primary
	8 hours	0.070 ppm (137 μg/m³)	0.070 ppm (137 μg/m³) ^f	standard ^f
NO ₂ g	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as primary standard
	Annual arithmetic mean	0.030 ppm (57 μg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	

Table 3.3-1
Ambient Air Quality Standards

	California S		National	Standards ^b
Pollutant	Averaging Time	Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
SO ₂ h	1 hour	0.25 ppm (655 μg/m³)	0.075 ppm (196 μg/m³)	_
	3 hours	_	_	0.5 ppm (1,300 μg/m³)
	24 hours	0.04 ppm (105 μg/m³)	0.14 ppm (for certain areas) ⁹	_
	Annual	_	0.030 ppm (for certain areas) ^g	_
PM ₁₀ i	24 hours	50 μg/m³	150 μg/m³	Same as primary
	Annual arithmetic mean	20 μg/m³	_	standard
PM _{2.5} i	24 hours	_	35 μg/m ³	Same as primary standard
	Annual arithmetic mean	12 μg/m³	12.0 μg/m³	15.0 μg/m³
Lead ^{j,k}	30-day average	1.5 μg/m ³	_	_
	Calendar quarter	_	1.5 µg/m³ (for certain areas) ^k	Same as primary standard
	Rolling 3-month average	_	0.15 μg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 μg/m³)	_	_
Vinyl chloride ^j	24 hours	0.01 ppm (26 μg/m³)	_	_
Sulfates	24 hours	25 μg/m ³	_	_
Visibility- reducing particles	8 hours (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	_	_

Source: CARB 2016.

Notes: O_3 = ozone; ppm = parts per million by volume; μ g/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; RO_3 = milligrams per cubic meter; RO_2 = sulfur dioxide; RO_3 = particulate matter with an aerodynamic diameter less than or equal to 10 microns; RO_3 = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

- ^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended particulate matter (PM₁₀, PM_{2.5}), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than 1. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.
- Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25° Celsius (°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.



- d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.
- National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- f On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- On June 2, 2010, a new 1-hour SO₂ standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 μ g/m³ to 12.0 μ g/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 μ g/m³, as was the annual secondary standard of 15 μ g/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 μ g/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.
- CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 μg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain

3.5 Biological Resources

The following tables are referenced in Section 3.5 of the EIS.

Table 3.5-1 Vegetation Communities and Land Cover Types in the Project Site

General Vegetation Community/Land Cover Category	Vegetation Type (Holland/Oberbauer Code ^a)	Campo Corridor (Acres)	Boulder Brush Corridor (Acres)	Total (Acres)
Disturbed and Developed Areas	Disturbed Habitat (11300)	80.5	14.6	95.1
(10000)	Urban/Developed (12000)	19.2	0.2	19.4
	Eucalyptus Woodland (79100)	_	1.2	1.2
	Disturbed and Developed Areas Subtotal ^b	99.8	16.0	115.8
Scrub and Chaparral (30000)	Montane Buckwheat Scrub (32800)	131.2	56.6	187.8
	Big Sagebrush Scrub (35210)	91.5	34.7	126.2
	Disturbed Big Sagebrush Scrub (35210)	0.3	_	0.3
	Granitic Northern Mixed Chaparral (37131)	233.5	172.6	406.1
	Chamise Chaparral (37200)	_	1.1	1.1
	Granitic Chamise Chaparral (37210)	1,240.3	11.5	1,251.8
	Red Shank Chaparral (37300)	116.8	95.1	211.9
	Semi-Desert Chaparral (37400)	-	45.5	45.5
	Scrub Oak Chaparral (37900)	46.6	_	46.6
	Upper Sonoran Subshrub Scrub (39000)	44.5	_	44.5
	Scrub and Chaparral Subtotal ^b	1,904.6	417.0	2,321.6

Table 3.5-1 Vegetation Communities and Land Cover Types in the Project Site

General Vegetation Community/Land Cover Category	Vegetation Type (Holland/Oberbauer Code ^a)	Campo Corridor (Acres)	Boulder Brush Corridor (Acres)	Total (Acres)
Grasslands, Vernal Pools,	Valley Sacaton Grassland (42120)	0.5	_	0.5
Meadows, and other Herb Communities (40000)	Non-Native Grassland (42200)	58.5	_	58.5
Communities (40000)	Non-Native Grassland Broadleaf-Dominated (42210)	3.6	_	3.6
	Wildflower field (42300)	_	19.5	19.5
	Grasslands, Vernal Pools, Meadows, and other Herb Communities Subtotal	62.6	19.5	82.1
Bog and Marsh (50000)	Freshwater Marsh (52400)	<0.1	_	<0.1
	Emergent Wetland (52440)	3.3	3.5	6.8
	Bog and Marsh Subtotal	3.3	3.5	6.8
Riparian and Bottomland Habitat	Southern Arroyo Willow Riparian Forest (61320)	_	0.6	0.6
(60000)	Mulefat Scrub (63310)	0.2	_	0.2
	Southern Willow Scrub (63320)	0.8	_	8.0
	Riparian and Bottomland Habitat Subtotal ^b	1.0	0.6	1.6
Woodland (70000)	Coast Live Oak Woodland (71160)	73.4	0.5	73.9
	Woodland Subtotal ^b	73.4	0.5	73.9
Waters of the U.S./State	Unvegetated Stream Channel (64200)	5.5	1.5	7.0
	Waters of the U.S./State Subtotal ^b	5.5	1.5	7.0
	Totalb	2,150.1	487.5	2,637.6

Source: Appendix H (BTR).

Notes:

Table 3.5-2 ACOE Jurisdictional Resources

Vegetation Community	Jurisdiction	Acres
Emergent wetland	Wetland waters of the United States	3.69
Freshwater marsh		
Valley sacaton grassland		
Southern willow scrub	Wetland waters of the United States	0.71
Unvegetated channel – ephemeral	Waters of the United States	5.98
Unvegetated channel – intermittent	Waters of the United States	0.40
	Total jurisdictional resources	10.78

Source: Appendix H (BTR).



Holland (1986) as modified by Oberbauer et al. (2008). Totals may not sum due to rounding.

3.7 Socioeconomic Conditions

The following table is referenced in Section 3.7 of the EIS.

Table 3.7-1 U.S. Census Bureau Census Data

Subject	San Dieg	o County	Census 7	sus Tract 211 Campo Reservatio		eservation	
Employment Status	Estimate	Percent	Estimate	Percent	Estimate	Percent	
In labor force	2,607,875	_	6,014	_	287	_	
Employed	1,495,776	57.4%	2,114	35.2%	111	38.7%	
Unemployed	126,990	4.9%	452	7.5%	19	6.6%	
Unemployment rate	_	7.8%	_	17.6%	_	14.6%	
	Income						
Median household income	66,529	_	41,250	_	23,571	_	
Mean household income	90,685		58,117	_	39,385	_	

Source: U.S. Census Bureau 2012, per USGenWeb Census Project n.d. (5-year estimates).

3.9 Traffic and Transportation

The following tables are referenced in Section 3.9 of the EIS.

Table 3.9-1 Existing Intersection Operations

		LOS	Critical	AM Peak		PM Peak	
No.	Intersection	Method	Movement	Delay ¹	LOS ²	Delay1	LOS ²
1	Crestwood Road/I-8 westbound ramps	HCM	WBL	10.2	В	10.6	В
2	Crestwood Road/I-8 eastbound ramps	HCM	EBL	9.4	Α	9.8	Α
3	Crestwood Road/Old Highway 80	HCM	EBL	9.4	Α	9.4	Α
4	Old Highway 80/Church Road-Golden Acorn Casino	HCM	EBL	11.0	В	12.6	В
5	Old Highway 80/Live Oak Trail	HCM	WBL	9.1	Α	9.3	Α
6	Campo Road (SR-94)/Church Rd–BIA Route 10	HCM	SBL	9.3	Α	9.1	Α
7	Ribbonwood Road-SR-94/I-8 westbound ramps	HCM	WBL	9.3	Α	9.0	Α
8	Ribbonwood Road-SR-94/I-8 eastbound ramps	HCM	EBL	9.1	Α	8.9	Α

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; I = Interstate; HCM = Highway Capacity Manual; WBL = westbound left; EBL = eastbound left; SR = State Route; BIA = Bureau of Indian Affairs; SBL = southbound left.



Delay in seconds per vehicle is reported for critical movement at unsignalized intersections

Level of service; for unsignalized intersections, 0.0 to 10.0 means LOS A; 10.1 to 15.0 means LOS B; 15.1 to 25.0 means LOS C; 25.1 to 35.0 means LOS D; 35.1 to 50.1 means LOS E; and greater than or equal to 50.1 means LOS F.

Table 3.9-2
Existing Daily Roadway Segment Operations

			Existing Conditions			
Roadway Segment	Classification	LOS E ADT	Existing ADT	Existing V/C	Existing LOS	
Crestwood Road						
 between I-8 WB & I-8 EB ramps 	2-lane undivided	16,200	2,212	0.14	В	
Old Highway 80 to Church Road	2-lane undivided	16,200	4,132	0.26	С	
Old Highway 80						
 Church Road to Live Oak Trail 	2-lane undivided	16,200	1,646	0.10	Α	
Live Oak Trail to Campo Road (SR-94)	2-lane undivided	16,200	1,411	0.09	Α	
Church Road						
Old Highway 80 to Campo Road	2-lane undivided	16,200	677	0.04	Α	
Ribbonwood Road						
North of I-8	2 Lane undivided	4,500	579	0.13	<c< td=""></c<>	
Campo Road (SR-94)						
BIA Route 15 to Church Road	2-lane undivided	19,000	1,900	0.12	А	

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; ADT = average daily traffic; V/C = volume to capacity ratio; I = Interstate; WB = westbound; EB = eastbound; SR = State Route; BIA = Bureau of Indian Affairs.

LOS is based on County of San Diego Public Road Standard Average Daily Vehicle Trips - Table 1.

Table 3.9-3
Existing Freeway Mainline Segment LOS

		Mainline	Average Daily		Hour ıme ^c	V	//C		nsity In/mi)	LC	os
Freeway Segment	Dir.	Lanesa	Trafficb	AM	PM	AM	PM	AM	PM	AM	PM
			I	nterstate	3						
Cameron Road to	EB	2	18,000	656	1,089	0.20	0.34	6.7	11.1	Α	В
Crestwood Road-Old Hwy 80	WB	2		1,177	1,247	0.37	0.39	12.0	12.7	В	В
Crestwood Road-Old	EB	2	17,100	656	1,089	0.20	0.34	6.7	11.1	Α	В
Hwy 80 to Ribbonwood Road–SR-94	WB	2		1,177	1,247	0.37	0.39	12.0	12.7	В	В
Ribbonwood Road-	EB	2	16,100	617	1,025	0.19	0.32	6.3	10.5	Α	Α
SR-94 to Carrizo Gorge	WB	2		1,109	1,174	0.35	0.37	11.3	11.9	В	В

Notes: LOS = level of service; V/C = volume to capacity ratio; pc/ln/mi = passenger cars per lane per mile; WB = westbound; EB = eastbound; SR = State Route.

LOS based on HCM methodology, analyzed in the 2010 Highway Capacity Software (HCS).

- ^a Lane geometry taken from PeMS lane configurations at corresponding postmile.
- Existing ADT volumes from most recent Caltrans Traffic Census Program (2017).
- Peak hour volumes calculated from Caltrans Traffic Census Program Peak Hour Volume Data (2017).



3.11 Visual Resources

The following table is referenced in Section 3.11 of the Draft EIS.

Table 3.11-1
Key Observation Points (Panoramas)

KOP No.a	Location	Heading
1	Eastbound I-8 (Off-Reservation)	E/SE
2	SR-94 at western Reservation boundary	E
3	Church Road/BIA Road 10 (On-Reservation)	N/NW
4	Church Road/BIA Road 10 (On-Reservation)	S/SW
5	SR-94 at Live Oaks Springs Road (Off Reservation)	W/NW
6	Tierra Del Sol Road (Off-Reservation)	N/NW
7	Tierra Real Lane (Off-Reservation)	W/SW

KOP = key observation point; I = Interstate; SR = State Route; BIA = Bureau of Indian Affairs.

Photos of all KOPs listed are included in the Visual Impact Assessment (Appendix N).

CHAPTER 4, ENVIRONMENTAL CONSEQUENCES (EFFECTS)

Chapter 4 contains effects and mitigation summary tables, as well as other cumulative summary tables. For this reason, those tables were kept within the EIS for readability. Additional tables referenced within Chapter 4 of the EIS are presented in this section.

4.3 Air Quality

The following tables are references in Section 4.3 of the EIS.

Table 4.3-2
Estimated Annual Construction Criteria Air Pollutant Emissions – Unmitigated

	VOC	NO _x	СО		
Phase Description		Tons per Year			
2019					
Campo Wind Facilities	0.42	4.71	12.19		
Boulder Brush Facilities ^a	0.05	0.40	1.12		
2019 Total	0.47	5.11	13.30		
2020		•			
Campo Wind Facilities	0.79	4.62	14.48		
Boulder Brush Facilities ^a	0.01	0.04	0.04		
2020 Total	0.80	4.66	14.53		
Maximum annual emissions	0.80	5.11	14.53		
Federal de minimis threshold	100	100	100		
Threshold exceeded?	No	No	No		

Source: Appendix B to Appendix G (Air Quality and Greenhouse Gas Emissions Analysis). **Notes:** VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide.



^a For further description of each KOP, refer to Appendix N.

Estimated emissions include compliance with PDF-AQ-1 through PDF-AQ-4.

Table 4.3-3
Estimated Maximum Annual Operational Criteria Air Pollutant Emissions

Emission Source ^a	VOC	NOx	CO
Emission Source		Tons per Year	
Area	0.02	0.00	0.00
Mobile	0.01	0.04	0.33
Stationary	0.02	0.05	0.05
Total maximum annual emissions	0.05	0.09	0.38
Federal de minimis threshold	100	100	100
Threshold exceeded?	No	No	No

Source: Appendix B to Appendix G (Air Quality and Greenhouse Gas Emissions Analysis).

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide.

4.4 Greenhouse Gas Emissions and Climate Change

The following tables are referenced in Section 4.4 of the EIS.

Table 4.4-1
Estimated Annual Construction Greenhouse Gas Emissions

	CO ₂	CH ₄	N₂O	CO ₂ e				
Year		Metric Tons per Year						
		2019						
Campo Wind Facilities	2,159.90	0.34	0.00	2,168.32				
Boulder Brush Facilities	264.01	0.05	0.00	265.10				
2019 total	2,423.91	0.38	0.00	2,433.42				
		2020		<u>. </u>				
Campo Wind Facilities	3,718.24	0.52	0.00	3,731.36				
Boulder Brush Facilities	16.42	<0.01	0.00	16.44				
2020 total	3,734.66	0.52	0.00	3,747.80				
Total	6,158.57	0.90	0.00	6,181.22				

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; <0.01 = values are reported as less than 0.01. See Appendix B to Appendix G (Air Quality and Greenhouse Gas Emissions Analysis) for complete results.

The Conformity Determination apply to the portions of the Project under federal control, but the emissions for Boulder Brush Facilities located on Private Land are included for disclosure.

The Conformity Determination apply to the portions of the Project under federal control. Furthermore, there are no operational emissions associated with the Boulder Brush Facilities.

Table 4.4-2 Vegetation Removal – Estimated Loss of Sequestered Carbon

Vegetation Type	CalEEMod Vegetation Land Use Category	CO ₂ Emissions Factor (MT CO ₂ per acre)	Net Loss (acres)	Loss of Sequestered Carbon (MT CO ₂)
- 7		Campo Wind Fac	• • •	(5 5 2)
Forest Land	Scrub	14.3	698.99	9,995.56
Forest Land	Trees	111	22.14	2,457.54
Grassland	Grassland	4.31	24.26	104.56
Wetlands	Wetlands	0.00	0.36	0.00
	Cam	po Wind Facilities subtotal	745.75	12,557.66
		Boulder Brush Fac	cilities	
Forest Land	Scrub	14.3	57.04	815.67
Forest Land	Trees	111	1.82	202.02
	Boulde	er Brush Facilities subtotal	58.86	1,017.69
		Total	804.61	13,575.35

Source: CAPCOA 2017.

Notes: MT CO_2 = metric tons carbon dioxide.

See Appendix B to Appendix G (Air Quality and Greenhouse Gas Emissions Analysis) for complete results.

Table 4.4-3
Estimated Annual Operational Greenhouse Gas Emissions

	CO ₂	CH₄	N ₂ O	CO₂e
Emission Source		N	1T	
Area ^a	65.530.00	0.00	0.00	65.53
Energy	13.91	<0.01	<0.01	13.99
Mobile	102.85	<0.01	0.00	102.92
Stationary	8.91	<0.01	0.00	8.94
Solid waste	0.94	0.06	0.00	2.34
Water supply and wastewater	3.93	0.03	<0.01	4.88
Total	130.54	0.09	<0.01	198.59

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Appendix B of Appendix G (Air Quality and Greenhouse Gas Emissions Analysis) for complete results.

4.5 Biological Resources

The following tables are referenced in Section 4.5 of the EIS.

Table 4.5-1a
Impacts on Vegetation Communities and Land Cover Types –Alternative 1

		Campo Corridor	Boulder Bru	ısh Corridor	
General Vegetation Community/ Land Cover Category	Vegetation Type (Holland/Oberbauer Code)	Permanent Impacts (Acres)	Temporary Impacts (Acres)	Permanent Impacts (Acres)	Total (Acres)
Bog and Marsh (50000)	Emergent wetland	0.35	0.21a	0	0.56
	Freshwater marsh	0.01	0	0	0.01
	Bog and Marsh (50000) Subtotal	0.36	0.21	0	0.57
Disturbed and Developed Areas	Developed	3.32	0	0.01	3.33
(10000)	Disturbed habitat	46.78	1.70	9.45	57.93
Dist	urbed and Developed Areas (10000) Subtotal	50.10	1.70	9.46	61.26
Grasslands, Vernal Pools, Meadows,	Wildflower field	0	5.62	0.49	6.11
and other Herb Communities (40000)	Non-native grassland	24.04	0	0	24.04
	Non-native grassland broadleaf-dominated	0	0	0	0
	Valley sacaton grassland	0.22	0	0	0.22
Grasslands, Vernal Pools, Meadows, a	nd other Herb Communities (40000) Subtotal	24.26	5.62	0.49	30.37
Riparian and Bottomland Habitat	Mulefat scrub	0.05	0	0	0.05
(60000)	Southern willow scrub	0.18	0	0	0.18
	Southern arroyo willow riparian forest	0	0.06	0.05	0.11
	Unvegetated stream channel	1.46	0.27 a	0.12	1.85
Ripa	rian and Bottomland Habitat (60000) Subtotal	2.55	0.33	0.17	3.05
Scrub and Chaparral (30000)	Big sagebrush scrub	33.06	10.01	2.39	45.46
	Disturbed big sagebrush scrub	0	0	0	0
	Granitic chamise chaparral	452.03	2.51	1.03	455.57
	Granitic northern mixed chaparral	96.57	41.24	21.56	159.37
	Montane buckwheat scrub	48.23	14.12	6.61	68.96
	Red shank chaparral	39.07	19.48	13.00	71.55
	Semi-desert chaparral	0	19.95	12.45	32.40
	Scrub oak chaparral	19.21	0	0	19.21
	Upper Sonoran subshrub scrub	10.59	0	0	10.59

Table 4.5-1a
Impacts on Vegetation Communities and Land Cover Types –Alternative 1

		Campo Corridor	Boulder Brush Corridor		
General Vegetation Community/ Land Cover Category	Vegetation Type (Holland/Oberbauer Code)	Permanent Impacts (Acres)	Temporary Impacts (Acres)	Permanent Impacts (Acres)	Total (Acres)
	Scrub and Chaparral (30000) Subtotal	698.76	107.29	57.05	863.10
Woodland (70000)	Coast live oak woodland	22.14	11.39	1.78	34.45
	Woodland (70000) Subtotal	22.14	11.39	1.78	34.45
	Total	797.31	126.54	68.94	992.79

Source: Appendix H (BTR).

Table 4.5-1b
Impacts on Vegetation Communities and Land Cover Types – Alternative 2

			Off-Res	ervation	
General Vegetation Community/ Land Cover Category	Vegetation Type (Holland/Oberbauer Code)	Permanent Impacts (Acres)	Temporary Impacts (Acres)	Permanent Impacts (Acres)	Total (Acres)
Bog and Marsh (50000)	Emergent wetland	0.35	0.21a	0	0.56
	Freshwater marsh	0.01	0	0	0.01
	Bog and Marsh (50000) Subtotal	0.36	0.21	0	0.57
Disturbed and Developed Areas	Developed	3.22	0	0.01	3.23
(10000)	Disturbed habitat	38.30	1.70	9.45	49.45
Dist	urbed and Developed Areas (10000) Subtotal	41.52	1.70	9.46	52.68
Grasslands, Vernal Pools, Meadows,	Wildflower field	0	5.62	0.49	6.11
and other Herb Communities (40000)	Non-native grassland	21.07	0	0	21.07
	Non-native grassland broadleaf-dominated	2.97	0	0	2.97
	Valley sacaton grassland	0.22	0	0	0.22
Grasslands, Vernal Pools, Meadows, a	nd other Herb Communities (40000) Subtotal	24.26	5.62	0.49	30.37

Table 4.5-1b
Impacts on Vegetation Communities and Land Cover Types – Alternative 2

		On-Reservation	Off-Res	ervation	
General Vegetation Community/ Land Cover Category	Vegetation Type (Holland/Oberbauer Code)	Permanent Impacts (Acres)	Temporary Impacts (Acres)	Permanent Impacts (Acres)	Total (Acres)
Riparian and Bottomland Habitat	Mulefat scrub	0.05	0	0	0.05
(60000)	Southern willow scrub	0.18	0	0	0.18
	Southern arroyo willow riparian forest	0	0.06	0.05	0.11
	Unvegetated stream channel	1.29	0.27 a	0.12	1.68
Ripa	rian and Bottomland Habitat (60000) Subtotal	1.52	0.33	0.17	2.02
Scrub and Chaparral (30000)	Big sagebrush scrub	32.66	10.01	2.39	45.46
	Disturbed big sagebrush scrub	0	0	0	0
	Granitic chamise chaparral	393.54	2.51	1.03	397.08
	Granitic northern mixed chaparral	48.21	41.24	21.56	111.01
	Montane buckwheat scrub	37.33	14.12	6.61	58.06
	Red shank chaparral	35.26	19.48	13.00	67.74
	Semi-desert chaparral	0	19.95	12.45	32.40
	Scrub oak chaparral	18.57	0	0	18.57
	Upper Sonoran subshrub scrub	8.76	0	0	8.76
	Scrub and Chaparral (30000) Subtotal	574.33	107.29	57.05	738.67
Woodland (70000)	Coast live oak woodland	17.84	11.39	1.78	31.01
	Woodland (70000) Subtotal	17.84	11.39	1.78	31.01
	Total	659.82	126.54	68.94	855.30

Source: Appendix H (BTR).

Table 4.4-2
Impacts on Jurisdictional Wetlands and Waters

	lmp	servation pacts res ^a	C)ff-Reservat Acr	•	ts		
	Perm	nanent♭	Perm	anent	Tem	porary		Total
Vegetation Communities		Linear		Linear		Linear	Total	Linear
and Cover Types	Acres ^a	Feet	Acres ^a	Feet	Acres ^a	Feet	Acres	Feet
		Non	-wetland Wa	ters				
Unvegetated channel – ephemeral	1.35	11,041	0.01	24	0.06	305	1.37	9,098
Unvegetated channel – intermittent	0	203	0.11	1,908	0.21	3,967	0.32	6,078
Subtotal non-wetland	1.35 11,243		0.12	1,932	0.27	4,272	1.74	17,447
		Ri	parian Habit	at				
Emergent wetland, freshwater marsh, and valley Sacaton grassland	0.55	N/A	0	_	0	_	0.55	N/A
Southern willow scrub	0.13	N/A	0	_	0	_	0.13	N/A
Southern riparian forest	0 —		0		0		0	
Subtotal riparian	0.68	_	0		0		0.68	
Total	2.03	11,243	0.12	1,932	0.27	4,272	2.42	17,447

Source: Appendix H (BTR).

4.9 Traffic and Transportation

The following tables are referenced in Section 4.9 of the EIS.

Table 4.9-1
Peak Project Trip Generation for Alternative 1: Approximately 252 MW

	Daily	Daily	Α	M Peak Hou	ır	PM Peak Hour				
Vehicle Type	Quantity	Trips	In	Out	Total	In	Out	Total		
		Trip Ge	eneration							
Workers	501 workers	1,002	251	0	251	0	501	501		
Vendor trucks	22 trucks	44	2	2	4	2	2	4		
Haul trucks	28 trucks	56	3	3	6	3	3	6		
	Total	1,102	256	5	261	5	506	511		

Acreage values rounded to the nearest tenth after summation (which may account for minor rounding error).

^b All on-Reservation disturbances have been addressed as permanent.

Table 4.9-1 Peak Project Trip Generation for Alternative 1: Approximately 252 MW

	Daily	Daily	А	M Peak Ho	ur	PN	I Peak Ho	ur
Vehicle Type	Quantity	Trips	In	Out	Total	In	Out	Total
		Trip Gener	ration w/PC	Ε				
Workers (1.0 PCE) ^a	501 workers	1,002	251	0	251	0	501	501
Vendor (trucks (2.5 PCE)b	22 trucks	110	5	5	10	5	5	10
Haul trucks (2.5 PCE)b	28 trucks	139	7	7	14	7	7	14
	Total (w/PCE)	1,251	263	12	275	12	513	525

Source: Appendix J (Traffic Impact Analysis).

Notes: MW = megawatt; PCE = passenger car equivalent.

a A PCE factor of 1 was used for worker passenger cars.

- A PCE factor of 2.5 was used for vendor and haul trucks.

Table 4.9-2 Existing plus Project Peak Hour Intersection Level of Service

					Exis	sting		Ex	isting plu	us Project		Char	nge in		
		LOS	Critical	AM P	eak	PM F	Peak	AM F	Peak	PM F	Peak		elay e/Veh)		ificant act?
No.	Intersection	Method	Movement	Delaya			LOS	Delaya	LOS	Delaya	LOS	AM	PM	AM	PM
1	Crestwood Road/I-8 westbound ramps	HCM	WBL	10.2	В	10.6	В	10.7	В	27.2	D	0.5	16.6	No	Yes
2	Crestwood Road/I-8 eastbound ramps	HCM	EBL	9.4	Α	9.8	Α	9.6	Α	12.6	В	0.2	2.8	No	No
3	Crestwood Road/Old Highway 80	HCM	EBL	9.4	Α	9.4	Α	10.3	В	10.0	В	0.9	0.6	No	No
4	Old Highway 80/Church Road– Golden Acorn Casino Driveway	HCM	EBL	11.0	В	12.6	В	12.7	В	24.4	С	1.7	11.8	No	No
5	Old Highway 80/Live Oak Trail	HCM	WBL	9.1	Α	9.3	Α	9.4	Α	9.6	Α	0.3	0.3	No	No
6	Campo Road (SR-94)/Church Road–BIA Route 10	HCM	SBL	9.3	Α	9.1	Α	12.6	В	13.1	В	3.3	4.0	No	No
7	Ribbonwood Road-SR-94/I-8 westbound ramps	HCM	WBL	9.3	А	9.0	Α	9.4	A	9.1	Α	0.1	0.1	No	No
8	Ribbonwood Road-SR-94/I-8 eastbound ramps	HCM	EBL	9.1	Α	8.9	А	9.1	А	8.9	Α	0.0	0.0	No	No

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; sec/veh = seconds per vehicle; I = Interstate; HCM = Highway Capacity Manual; WBL = westbound left; EBL = eastbound left; SR = State Route; BIA = Bureau of Indian Affairs; SBL = southbound left.



Delay in seconds per vehicle reported for critical movement at unsignalized intersections.
 BOLD value indicates unsatisfactory LOS.

Table 4.9-3
Existing plus Project Roadway Segment Level of Service

				Existing			Existing plus	S Project		
Roadway Segment	Classification	LOS E ADT	ADT	V/C	LOS	Project Traffic	ADT	V/C	LOS	Change in V/C
Crestwood Road										
Between I-8 WB & I-8 EB ramps	2-lane undivided	16,200	2,212	0.14	В	370	2,582	0.16	В	0.02
Old Highway 80 to Church Road	2-lane undivided	16,200	4,132	0.26	С	604	4,736	0.29	С	0.04
Old Highway 80										
Church Road to Live Oak Trail	2-lane undivided	16,200	1,646	0.10	Α	80	1,726	0.11	Α	0.00
 Live Oak Trail to Campo Road (SR-94) 	2-lane undivided	16,200	1,411	0.09	Α	56	1,467	0.09	A	0.00
Church Road										
Old Highway 80 to Campo Road	2-lane undivided	16,200	677	0.04	Α	524	1,201	0.07	Α	0.06
Ribbonwood Road										
North of I-8	2 Lane undivided	4,500	579	0.13	<c< td=""><td>30</td><td>609</td><td>0.14</td><td><c< td=""><td>0.01</td></c<></td></c<>	30	609	0.14	<c< td=""><td>0.01</td></c<>	0.01
Campo Road (SR-94)										
BIA Route 15 to Church Road	2-lane undivided	19,200	1,900	0.10	Α	394	2,294	0.12	Α	0.02

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; ADT = average daily traffic; V/C = volume to capacity ratio; I = Interstate; WB = westbound; EB = eastbound; SR = State Route; BIA = Bureau of Indian Affairs.

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Table 4.9-4 Existing plus Project Freeway Segment Operations

						Existin	g						Е	xisting plus	Project						
		Mainline	Volu	ıme ^b	V	/C	Density	(pc/ln/mi)	L	os	Volu	ıme ^b	V/	C	Density	(pc/ln/mi)	L	os	Δ	V/C ^c	
Freeway Segment	Dir.	Lanesa	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	Sig?
									Interstate	8											
Cameron Road to Crestwood Road-	EB	2	656	1,089	0.20	0.34	6.7	11.1	Α	В	793	1,092	0.25	0.34	8.1	11.1	Α	В	0.05	0.00	No
Old Hwy 80	WB	2	1,177	1,247	0.37	0.39	12.0	12.7	В	В	1,180	1,517	0.37	0.47	12.0	15.4	В	В	0.00	0.08	No
Crestwood Rd/Old Highway 80 to	EB	2	656	1,089	0.20	0.34	6.7	11.1	Α	В	662	1091	0.21	0.34	6.7	11.1	Α	В	0.01	0.00	No
Ribbonwood Rd/SR-94	WB	2	1,177	1,247	0.37	0.39	12.0	12.7	В	В	1,179	1,249	0.37	0.39	12.0	12.7	В	В	0.00	0.00	No
Ribbonwood Rd/SR-94 to Carrizo	EB	2	617	1,025	0.19	0.32	6.3	10.5	Α	Α	619	1027	0.19	0.32	6.3	10.5	Α	Α	0.00	0.00	No
Gorge	WB	2	1,109	1,174	0.35	0.37	11.3	11.9	В	В	1,111	1,176	0.35	0.37	11.4	12.0	В	В	0.00	0.00	No

Source: Appendix J (Traffic Impact Analysis).

Notes: Dir. = direction; V/C = volume-to-capacity ratio; pc/ln/mi = passenger cars per lane per mile; LOS = level of service; Sig? = significant impact, yes or no; EB = eastbound; WB = westbound; SR = State Route. LOS based on HCM methodology, analyzed in the 2010 Highway Capacity Software.

a Lane geometry taken from PeMS lane configurations at corresponding postmile.

b Peak hour volumes calculated from Caltrans Traffic Census Program Peak Hour Volume Data (2017).

c "Δ" denotes the Project-induced increase in V/C. Per SANTEC/ITE Guidelines, a significant impact occurs when the V/C is increased by greater than 0.01 for LOS E or LOS F.

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4.14 Cumulative

Tables 4.14-1 and 4.14-2 are referenced in Section 4.14 of the EIS.

Table 4.14-1
Existing plus Project plus Cumulative Projects Peak Hour Intersection Level of Service

				Exis	ting		Ex	isting pl	lus Projec	:t	Exist		Project p	olus	Sign	ificant
		Critical	ent Delaya LOS Delaya LOS De		AM P	eak	PM P	eak	AM P	eak	PM P	eak	lm	pact?		
No.	Intersection	Movement	Delayª	LOS	Delayª	LOS	Delayª	LOS	Delayª	LOS	Delayª	LOS	Delaya	LOS	AM	PM
1	Crestwood Road/ I-8 westbound ramps	WBL	10.2	В	10.6	В	10.7	В	27.2	D	10.7	В	27.6	D	No	Yes
2	Crestwood Road/I-8 eastbound ramps	EBL	9.4	Α	9.8	Α	9.6	Α	12.6	В	9.7	Α	12.7	В	No	No
3	Crestwood Road/ Old Highway 80	EBL	9.4	Α	9.4	Α	10.3	В	10.0	В	10.3	В	10.1	В	No	No
4	Old Highway 80/Church Road–Golden Acorn Casino Driveway	EBL	11.0	В	12.6	В	12.7	В	24.4	С	12.8	В	25.3	D	No	No
5	Old Highway 80/Live Oak Trail	WBL	9.1	Α	9.3	Α	9.4	Α	9.6	Α	9.4	Α	9.6	Α	No	No
6	Campo Road (SR-94)/ Church Road–BIA Route 10	SBL	9.3	A	9.1	A	12.6	В	13.1	В	12.7	В	13.2	В	No	No
7	Ribbonwood Road-SR- 94/I-8 westbound ramps	WBL	9.3	А	9.0	Α	9.4	Α	9.1	Α	13.1	В	11.9	В	No	No
8	Ribbonwood Road-SR- 94/I-8 eastbound ramps	EBL	9.1	А	8.9	Α	9.1	Α	8.9	Α	14.2	В	10.6	В	No	No

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; I = Interstate; WBL = westbound left; EBL = eastbound left; SR = State Route; BIA = Bureau of Indian Affairs; SBL = southbound left.

BOLD value indicates unsatisfactory LOS.



^a Delay in seconds per vehicle reported for critical movement at unsignalized intersections.

Table 4.14-2 Existing plus Project plus Cumulative Projects Roadway Segment Level of Service

		LOS E		Existing	l	Project	Existin	g plus P	roject		ng plus Proje nulative Proj		Change
Roadway Segment	Classification	ADT	ADT	V/C	LOS	Traffic	ADT	V/C	LOS	ADT	V/C	LOS	in V/C
Crestwood Road													
Between I-8 WB & I-8 EB ramps	2 LU	16,200	2,212	0.14	В	370	2,582	0.16	В	2,720	0.17	В	0.03
Old Highway 80 to Church Road	2 LU	16,200	4,132	0.26	С	604	4,736	0.29	С	4,904	0.30	С	0.05
Old Highway 80													
Church Road to Live Oak Trail	2 LU	16,200	1,646	0.10	Α	80	1,726	0.11	Α	1,760	0.11	Α	0.01
Live Oak Trail to Campo Road (SR-94)	2 LU	16,200	1,411	0.09	А	56	1,467	0.09	Α	1,496	0.09	А	0.01
Church Road													
 Old Highway 80 to Campo Road 	2 LU	16,200	677	0.04	A	524	1,201	0.07	Α	1,214	0.07	A	0.03
Ribbonwood Road	2 LU	4,500	579	0.13	<c< td=""><td>30</td><td>609</td><td>0.14</td><td><c< td=""><td>1,607</td><td>0.36</td><td><c< td=""><td>0.23</td></c<></td></c<></td></c<>	30	609	0.14	<c< td=""><td>1,607</td><td>0.36</td><td><c< td=""><td>0.23</td></c<></td></c<>	1,607	0.36	<c< td=""><td>0.23</td></c<>	0.23
 North of I-8 													
Campo Road (SR-94)													
BIA Route 15 to Church Road	2 LU	19,200	1,900	0.10	А	394	2,294	0.12	Α	2,394	0.13	A	0.03

Source: Appendix J (Traffic Impact Analysis).

Notes: LOS = level of service; ADT = average daily traffic; V/C = volume to capacity ratio; I = Interstate; WB = westbound; EB = eastbound; 2 LU = two-lane undivided; SR = State Route; BIA = Bureau of Indian Affairs.



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Table 4.14-3 Existing plus Project plus Cumulative Freeway Segment Operations

					Е	xisting plus	Project						Existing p	olus Project	plus Cumula	ative					
		Mainline	Volu	ume ²	V	/C	Density	(pc/ln/mi)	LC	OS	Vol	ıme ^b	V	//C	Density	(pc/ln/mi)	L	OS	Δ V /	Cc Cc	
Freeway Segment	Dir.	Lanes ¹	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	Sig?
									Int	erstate 8											
Cameron Road to	EB	2	793	1,092	0.25	0.34	8.1	11.1	Α	В	858	1,201	0.27	0.38	8.7	12.2	Α	В	0.02	0.04	No
Crestwood Road-Old Hwy 80	WB	2	1,180	1,517	0.37	0.47	12.0	15.4	В	В	1,298	1,642	0.41	0.51	13.2	16.8	В	В	0.04	0.04	No
Crestwood Rd/Old	EB	2	662	1091	0.21	0.34	6.7	11.1	Α	В	727	1,200	0.23	0.37	7.4	12.2	Α	В	0.02	0.03	No
Highway 80 to Ribbonwood Rd/SR-94	WB	2	1,179	1,249	0.37	0.39	12.0	12.7	В	В	1,297	1,374	0.41	0.43	13.2	14.0	В	В	0.04	0.04	No
Ribbonwood Rd/SR-94	EB	2	619	1027	0.19	0.32	6.3	10.5	Α	Α	681	1,130	0.21	0.35	7.0	11.6	Α	В	0.02	0.03	No
to Carrizo Gorge	WB	2	1,111	1,176	0.35	0.37	11.4	12.0	В	В	1,221	1,294	0.38	0.41	12.5	13.2	В	В	0.03	0.04	No

Source: Appendix J (Traffic Impact Analysis).

Notes: Dir. = direction; V/C = volume-to-capacity ratio; pc/ln/mi = passenger cars per lane per mile; LOS = level of service; Sig? = significant impact, yes or no; EB = eastbound; WB = westbound; SR = State Route.

LOS based on HCM methodology, analyzed in the 2010 Highway Capacity Software.

Lane geometry taken from PeMS lane configurations at corresponding postmile.

Peak hour volumes calculated from Caltrans Traffic Census Program Peak Hour Volume Data (2017).

"Δ" denotes the Project-induced increase in V/C. Per SANTEC/ITE Guidelines, a significant impact occurs when the V/C is increased by greater than 0.01 for LOS E or LOS F.

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