

4.12 Public Services and Utilities

This section describes the environmental and regulatory setting and discusses impacts associated with the construction and operation of the Mesa 500-kilovolt (kV) Substation Project (proposed project) proposed by Southern California Edison Company (SCE, or the applicant) with respect to public services and utilities.

During the scoping period, one comment was received related to public services and utilities. The Metropolitan Water District of Southern California (MWD) submitted a comment letter stating that a portion of a Metropolitan Middle Feeder pipeline traverses the proposed project area and would need to be relocated to an alternative alignment in order to maintain reliable deliveries of treated water to its member agencies, as well as to facilitate SCE's expansion of the Mesa Substation. The comment highlighted the importance of developing and approving a relocation agreement between MWD and SCE.

4.12.1 Environmental Setting

The proposed project's main components would be constructed within or across several incorporated and unincorporated areas within Los Angeles County, as discussed in Chapter 2.0, "Project Description" and shown in Figure 2-1, "Project Overview." In addition, minor work would occur within the perimeter fence lines of 27 existing satellite substations throughout the Western Los Angeles Basin Electrical Needs Area in southern Los Angeles County and northern Orange County, as shown in Figure 2-2, "Existing Transmission and Subtransmission Lines Associated with the Mesa 500-kV Substation Project."

An existing 72-inch diameter water pipeline owned by MWD traverses the proposed Mesa Substation site, as shown in Figure 2-3a. This pipeline would be removed, and a new 84-inch diameter water pipeline would be constructed across the project site west of the current alignment.

Work at 24 of the 27 satellite substations would not include any ground disturbing activities and would occur primarily within the existing Mechanical Electrical Equipment Room at each of these substations. This work would not impact public services or utilities; therefore, work at these 24 substations is not discussed further in this section.

Operation of the proposed project would serve the Western Los Angeles Basin Electrical Needs Area in southern Los Angeles County and northern Orange County.

4.12.1.1 Public Services

Police Departments

The proposed Mesa Substation site is located within the jurisdiction of the Monterey Park Police Department. The closest police station is located at 320 West Newmark Avenue, Monterey Park, approximately 1.7 miles from the proposed substation site area. The Monterey Park Police Department is a full service police agency with 72 sworn police officers and 46 civilian personnel (City of Monterey Park 2015a). Project components located in Montebello are within the jurisdiction of the Montebello Police Department. The closest police station is located at 1600 West Beverly Boulevard, Monterey Park, approximately 0.2 mile from Telecommunications Route 2A. The Montebello Police Department has 84 sworn police officers, 17 reserve officers, and 45 civilian

1 personnel (City of Montebello 2015). Work in the North Area; in the South Area; along
2 Telecommunications Routes 1 and 3; and at Walnut, Vincent, and Pardee Substations would be
3 located within or would cross several other incorporated and unincorporated areas within Los
4 Angeles County. Each of these different jurisdictions has its own police department.

5
6 Project components in the Whittier Narrows Natural Area, located on property owned by the
7 United States Army Corps of Engineers and managed by the County of Los Angeles Department of
8 Parks and Recreation, is covered by three police jurisdictions, corresponding to the City of Industry,
9 City of Pico Rivera, and Temple City (LA Times 2015). The City of Pico Rivera, which contracts with
10 the Los Angeles County Sheriff's Department for law enforcement services, has the closest police
11 station, located at 6631 Passons Boulevard, Pico Rivera, approximately 2.8 miles from
12 Telecommunications Route 3.

13
14 **Fire Departments**

15 The proposed Mesa Substation site area is within the jurisdiction of the Monterey Park Fire
16 Department. The closest fire station to the proposed project is Monterey Park Fire Department
17 Station 62 at 2001 West Elmgate, Monterey Park, approximately 1 mile from the proposed
18 substation site. The Monterey Park Fire Department has 52 sworn fire personnel and three fire
19 stations (City of Monterey Park 2014). Project components located in Montebello are within the
20 jurisdiction of the Montebello Fire Department. The closest fire station is Montebello Fire Station 55
21 located at 600 North Montebello Boulevard, approximately 0.2 mile from the nearest project
22 component. The Montebello Fire Department consists of 67 sworn personnel and three fire stations
23 (City of Montebello n.d.).

24
25 Project components located in the Whittier Narrows Natural Area are within the jurisdiction of the
26 Los Angeles County Fire Department, which staffs and manages 171 fire stations located
27 throughout the County (LACoFD n.d.). Table 4.12-1 provides information about the closest fire
28 stations to the proposed project, corresponding to Battalions 8 and 9, which provide fire and rescue
29 services and safe haven services for unincorporated Los Angeles County and for cities in the County
30 which contract with it.

31 **Table 4.12-1 Fire Stations within 5 miles of the Proposed Project**

Station	Address	Approximate Distance from Nearest Component (miles)
Battalion 10 – Headquarters	3615 Santa Anita Avenue, El Monte	3.3
Battalion 8 – Headquarters	7733 Greenleaf Avenue, Whittier	4.5
Battalion 8 – Station 103	7300 Paramount Boulevard, Pico Rivera	2.8

Source: LACoFD n.d.

32
33 **Medical Facilities**

34 Three full service medical centers with 24/7 Emergency Rooms are located within 6 miles of the
35 proposed Mesa Substation site:

- 36
37 • Monterey Park Hospital, located at 900 South Atlantic Boulevard, Monterey Park,
38 approximately 1.5 miles northwest of the proposed Mesa Substation site area.

- Garfield Medical Center, located at 525 North Garfield Avenue, Monterey Park, approximately 2 miles north of the proposed Mesa Substation site area.
- Los Angeles County + USC Medical Center, located at 2051 Marengo Street, Los Angeles, approximately 5.5 miles northeast of the proposed Mesa Substation site area.

Schools

There are nine public elementary schools, middle schools, and high schools within 0.25 mile of the proposed project in addition to three childcare/preschools and four adult education centers. A complete list of schools within 0.25 mile of the proposed project is included in Table 4.7-3 in Section 4.7, “Hazards and Hazardous Materials.”

Parks and Recreation Facilities

There are more than 30 parks and recreation facilities, including public parks, recreational areas, community centers, trails, and public golf courses located within 1 mile of the proposed project. The closest recreation areas to the proposed Mesa Substation site are La Loma Park (0.3 mile), George E. Elder Park (0.5 mile), Potrero Heights Park (0.7 mile), and Acuna Park (0.8 mile). Telecommunications Route 3 also crosses the Rio Hondo Bike Path, Bosque Del Rio Hondo, Whittier Narrows Recreation Area, and the Whittier Narrows Natural Area.

For a complete list of recreation facilities within 1 mile of the proposed project, and further discussion of park facilities, see Section 4.13, “Recreation.”

Libraries

There are two public libraries within 2 miles of the proposed Mesa Substation site area: the Monterey Park Bruggemeyer Library, located at 318 South Ramona Avenue, Monterey Park, and the Montebello Public Library, located at 1550 West Beverly Boulevard, Montebello.

4.12.1.2 Utilities

Water

The Monterey Park Department of Public Works Water Utility Division provides approximately 95 percent of the City of Monterey Park’s water supply. Two private water companies, the California Water Service Company and the San Gabriel Valley Water Company, supply water for the remaining 5 percent of residences and businesses in the city. The city has 11 pumping wells, which have a total pumping capacity of 14,071 gallons per minute, or 22,677 acre-feet per year (AFY) (City of Monterey Park 2005).

Annually, Monterey Park delivers about 2.8 billion gallons (or 8,593 AFY) of water to 12,300 customers. The city’s water supply consists entirely of groundwater from the Main San Gabriel Basin. There is no limit to the quantity of water that the City of Monterey Park may extract from this basin. However, the city has a prescriptive pumping right to 6,704.08 AFY and a pumper’s share of 3.39216 percent of the Operating Safe Yield. The Operating Safe Yield is determined by the Main San Gabriel Basin Watermaster¹ each year based on need and the existing basin condition. The Main San Gabriel Basin has been in overdraft since 1953. For fiscal year 2014–2015, the operating safe

¹ The Main San Gabriel Basin Watermaster is the agency charged with administering adjudicated water rights within the Main San Gabriel Groundwater Basin.

1 yield was 150,000 AFY. The preliminary Operating Safe Yield recommendation for the Main San
2 Gabriel Basin for fiscal year 2015–2016 is 150,000 AFY and 130,000 AFY for each subsequent year
3 through 2020 (Main San Gabriel Basin Watermaster 2015a). In addition to its pumper’s share,
4 Monterey Park has a cyclic storage agreement with the Watermaster enabling the advance
5 purchase of untreated imported water stored in the Main San Gabriel Basin and its extraction when
6 imported water supplies are short. Monterey Park’s Cyclic Storage Account is regularly used to
7 balance differences between the city’s production right and production each year (Main San Gabriel
8 Basin Watermaster 2013). At the end of each water year, the amount of water extracted by the City
9 of Monterey Park is compared to the production right determined by the Watermaster. Unused
10 rights can be carried over to the next year. Over-production is balanced using available cyclic
11 storage and the Watermaster charges a fee for each acre-foot of the remaining over production.
12

13 Table 4.12-2 presents the city’s historic water use (Main San Gabriel Basin Watermaster 2015b,
14 2014, 2013, 2012, 2011). Based on information provided by Watermaster, the average baseline
15 water use in the city (which was determined by averaging water use from 2011 through 2015) is
16 8,631 AFY.
17

Table 4.12-2 City of Monterey Park's Historic Water Use (AFY)

Water Year	Production Right ⁽¹⁾	Production	Overproduction ⁽²⁾	Cyclic Storage Purchase	Replacement Requirement
2010–2011	766.67	8,403.21	7,636.54	7,500	7,636.54
2011–2012	123.54	8,758.49	8,634.95	N/A	1,134.95 ⁽³⁾
2012–2013	6,784.32	8,833.51	2,049.39	7,000	0 ³
2013–2014	6,105.89	9,024.76	2,918.87	2,549.19	0 ³
2014–2015	4,829.24	8,139.54	3,310.30	N/A	3,310.30

Source: Main San Gabriel Basin Watermaster 2011, 2012, 2013, 2014, 2015b.

Notes:

(1) The annual water supply allocated to the city is dependent on the recommended operating safe yield for the basin for each fiscal year.

(2) Over-production was calculated by subtracting Production Right from Production for each water year.

(3) Water was balanced through the use of cyclic storage.

Key:

AFY acre-feet per year

N/A not applicable

18
19 The city published an updated Water Management Plan in 2012. Since 2000, the maximum annual
20 water use was recorded at 11,018 acre-feet (AF) in water year 2006–2007. Water use has declined
21 since 2007. According to the 2012 report, future water use is not expected to change from the
22 demand calculated in the 2012 report, which totaled 8,403.21 AF in water year 2010–2011 (City of
23 Monterey Park 2012). As shown in Table 4.12-2, each year the city produces more water than is
24 allocated to it and uses either water in its cyclic storage account or payments to the Watermaster to
25 account for the overproduction. In 2012–2013, overproduction reached a minimum of 2,049.39 AF.
26

27 The MWD supplies water to the southern portion of unincorporated Los Angeles County, including
28 the unincorporated areas in the vicinity of the proposed project. This pipeline also serves the cities
29 of Compton and Long Beach, as well as the Central Basin Municipal Water District, Upper San
30 Gabriel Valley Municipal Water District, and Three Valleys Municipal Water District (MWD 2015).
31 An existing 72-inch MWD water pipeline currently traverses the proposed Mesa Substation site
32 area and Potrero Grande Drive in a north-south alignment, as shown in Figure 2-3a “Project
33 Components.” This pipeline would be relocated as part of the proposed project.

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Wastewater

The City of Monterey Park sewer system consists of 126 miles of sewer pipelines and 2,498 manholes. The city collects the wastewater from the community and transports it to Los Angeles County Sanitation District (LACSD) for treatment at the Joint Water Pollution Control Plant, located at 24501 South Figueroa Street, Carson. This plant treats over 300 million gallons of wastewater per day (Sanitation Districts of Los Angeles County n.d.). LACSD operates several trunk lines through the city and there are also areas of the city that connect directly into the LACSD trunk line (Phoenix Civil Engineering Inc. 2014).

Stormwater

The proposed project area is located within the Los Angeles River Watershed, which covers an area of approximately 834 square miles (LACDPW 2015). On-site runoff flows toward the southwest area of the substation site and into the existing drainage system, where it is collected in storm drains that flow into the Rio Hondo Channel southeast of the project site. Onflow from areas west of the proposed Mesa Substation site area currently flows into the proposed project area and would be rerouted around the proposed substation site.

The City of Monterey Park is responsible for the operation and maintenance of the local drainage and storm water facilities within the city limits. Stormwater runoff in Monterey Park is managed from all streets and parking lots with approximately 855 catch basins or points of entry into the system (City of Monterey Park n.d.).

Solid Waste

The proposed project would generate solid waste during construction (e.g., concrete, non-recyclable metals, green waste, refuse, spoils, trash, and wood poles). SCE would use three approved, licensed landfills in the vicinity of the proposed project for the solid waste materials: Savage Canyon Landfill in Whittier, Azuza Land Reclamation Landfill in Azuza, and Scholl Canyon Landfill in Los Angeles. These landfills are rated as Class III landfills, which accept clean dirt, concrete, and asphalt (CalRecycle 2015a, b, c). Additionally, Azuza landfill can accept asbestos and nonhazardous petroleum contaminated soil (CalRecycle 2015a). Savage Canyon Landfill can also accept treated wood waste (CalRecycle 2015b). Disposal of hazardous materials is discussed in Section 4.7, "Hazards and Hazardous Materials." Characteristics of the three landfills that would serve the proposed project are shown in Table 4.12-3.

Table 4.12-3 Landfills Serving the Proposed Project

Landfill	Distance to Mesa Substation (miles)	Estimated Closure Date	Total Amount of Waste Permitted (cubic yards)	Remaining Estimated Waste Capacity (cubic yards)
Savage Canyon Landfill	10	2055	19,337,450	9,510,833
Azuza Land Reclamation	17	2025	66,670,000	34,100,000
Scholl Canyon Landfill	36	2030	58,900,000	9,900,000

Source: CalRecycle 2015a,b,c

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1 **4.12.2 Regulatory Setting**
2

3 This subsection summarizes federal, state, and local laws; regulations; and standards that govern
4 public services and utilities in the project area.
5

6 **4.12.2.1 Federal**
7

8 **Resource Conservation and Recovery Act**

9 The Resource Conservation and Recovery Act of 1976 (RCRA) (42 United States Code § 6901 et
10 seq.) establishes requirements for the management of solid and hazardous waste and authorizes
11 the states to carry out many functions of RCRA through their own waste programs and laws. The
12 U.S. Environmental Protection Agency has promulgated regulations to implement the provisions of
13 RCRA (40 Code of Federal Regulations Parts 239–282).
14

15 **4.12.2.2 State**
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17 **Emergency Regulations Related to California Drought Conditions**

18 On January 17, 2014, Governor Brown issued an Executive Order declaring a State of Emergency
19 due to current drought conditions in California. The January 17th Executive Order directed the
20 Department of Water Resources to coordinate with local water districts on a campaign urging
21 Californians to reduce water usage by 20 percent (CA Office of the Governor 2014a).
22

23 On April 24, 2014, Governor Brown issued another Executive Order urging that immediate action
24 be taken “to mitigate the effects of the drought conditions upon the people and property within the
25 State of California.” The April 24th Executive Order also directed the State Water Resources Control
26 Board to “adopt and implement emergency regulations pursuant to Water Code section 1058.5, as it
27 deems necessary to prevent the waste, unreasonable use, unreasonable method of use, or
28 unreasonable method of diversion of water, to promote water recycling or water conservation, and
29 to require curtailment of diversions when water is not available under the diverter’s priority of
30 right” (CA Office of the Governor 2014b).
31

32 On July 6, 2014, the State Water Resources Control Board responded to the Governor’s April 24th
33 Executive Order by adopting Emergency Regulations that require urban water suppliers to promote
34 water conservation, prepare water shortage contingency plans, and submit monthly monitoring
35 reports, among other measures (SWRCB 2014).
36

37 **California Integrated Waste Management Act (Assembly Bill 939) and Assembly Bill 341**

38 The California Integrated Waste Management Act of 1989 (Public Resource Code 40000 et seq.;
39 Assembly Bill 939) requires all county and local governments to adopt a Source Reduction and
40 Recycling Element to identify ways to reduce the amount of solid waste sent to landfills. This law
41 set reduction targets of 25 percent by 1995 and 50 percent by the year 2000. Assembly Bill 341,
42 signed into law in 2011, established a new statewide target of 75 percent disposal reduction by the
43 year 2020.
44

45 Assembly Bill 341 requires the California Department of Resources Recycling and Recovery
46 (CalRecycle) to develop and adopt regulations for mandatory commercial recycling, which was not
47 required under the previous version of the Integrated Waste Management Act. The new Mandatory
48 Commercial Recycling Regulation was approved at the CalRecycle monthly public meeting in

1 January 2012. On and after July 1, 2012, businesses are required to recycle. The Integrated Waste
2 Management Act, as amended by Assembly Bill 341, however, does not mandate a diversion
3 percentage for businesses. It only requires that businesses implement a commercial recycling
4 program.

6 **California Green Building Standards**

7 California Code of Regulations Title 24, Part 11 establishes requirements for improving health,
8 safety, and general welfare by enhancing the planning, design, operation, construction, use, and
9 occupancy of every newly constructed building or structure throughout the State of California.
10 Section 5.408 of this code establishes mandatory requirements for construction waste reduction,
11 disposal, and recycling for nonresidential building structures. In particular, Section 5.408.1 requires
12 recycling and/or salvaging for reuse of a minimum of 50 percent of the nonhazardous construction
13 and demolition waste. In addition, Section 5.408 requires preparation of a Construction Waste
14 Management Plan, selection of a waste management company that can provide verifiable
15 documentation, alternatives for waste stream reduction, and requirements for managing excavated
16 soils and land clearing debris.

18 **Underground Service Alert: Protection of Underground Infrastructure**

19 Pursuant to California Government Code Sections 4216–4216.9, the appropriate regional
20 notification center must be contacted at least two working days prior to any excavation activities.
21 Following field-marking by the underground infrastructure operator, the excavator is then required
22 to determine the exact location of subsurface installations that may be affected by excavating with
23 hand tools within the area of the approximate location of subsurface installations.

25 **4.12.2.3 Regional and Local**

27 **County of Los Angeles Water Wasting Ordinance**

28 The 2010 County of Los Angeles' Water Wasting Ordinance establishes regulations for the
29 conservation of water, including (Los Angeles County 2010):

- 31 • Prohibits watering down or washing sidewalks, walkways, driveways, parking areas, and
32 other paved surfaces.
- 33 • Prohibits watering lawns or landscaping between the hours of 10:00 a.m. and 5:00 p.m.
- 34 • Prohibits watering lawns or landscaping more than once a day.
- 35 • Prohibits watering to the extent that water runs onto adjoining streets, parking lots, or
36 alleys.
- 37 • Requires that hoses, faucets, and sprinkling systems be inspected for leaks and that leaks be
38 repaired as soon as is reasonably practicable.

40 **County of Los Angeles Water-Efficient Landscaping Ordinance**

41 Chapter 71 of the Los Angeles County Code (Title 26) provides regulations for designing, installing
42 and maintaining water-efficient landscapes in new projects (Los Angeles County 1987). New
43 projects are required to submit a landscaping documentation package that specifies landscaping
44 types and conservation measures, as well as estimates water usage. This chapter also provides for
45 water management practices and water waste prevention for established landscapes.

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City of Monterey Park General Plan

The Safety and Community Services Element and the Resources Element of the City of Monterey Park General Plan addresses public service systems and facilities, including solid waste and utilities and service systems as well as parks. Specifically, the following goals are applicable to the proposed project component within the City of Monterey Park (City of Monterey Park 2000):

- **Safety and Community Service Element Goal 9.0:** *Achieve and maintain a 50 percent reduction (from baseline year 1994) in solid waste produced by the City.*
- **Safety and Community Service Element Goal 13.0:** *Provide adequate sewer, water, and drainage systems to meet the needs of City residents and businesses.*
- **Resources Element Goal 1.0:** *Optimize use of established public parks, and provide park facilities that meet the needs of the City’s population.*
- **Resources Element Goal 4.0:** *Conserve and protect groundwater supply and water resources.*

City of Monterey Park Urban Water Management Plan

The City of Monterey Park Urban Water Management Plan describes the management tools and options used by the City of Monterey Park to maximize resources and minimize the need to import water from other regions (City of Monterey Park 2005).

City of Monterey Park Water Conservation Ordinance

The City of Monterey Park adopted a water conservation ordinance enacting water conservation measures and requirements in accordance with Emergency Regulations Promulgated by the California State Water Resources Control Board in 2015. This ordinance requires residents and businesses to conserve water in response to the statewide drought, including the following specific provisions (City of Monterey Park 2015b):

- Prohibits washing down sidewalks, walkways, driveways, parking areas, or other paved surfaces.
- Prohibits washing cars, boats, trailers, or other mobile equipment, except at a commercial car wash, using only reclaimed water, or by using a bucket or a water hose equipped with an automatic shut-off nozzle.
- Prohibits watering lawns or landscaping more than once a day, and between the hours of 9:00 a.m. and 5:00 p.m. any day.
- Requires inspection of hoses, faucets, or sprinklers for leaks and requires that repairs are made as soon as possible.
- Requires inspection of indoor plumbing and faucets for leaks and requires that repairs are made as soon as possible.
- Prohibits the installation of single pass cooling systems in new commercial buildings requesting new water utility service.
- Prohibits leaving a water hose running.

1 **City of Monterey Park Resolution Declaring a Stage 2 Drought Emergency**

2 On July 1, 2015, the Monterey Park City Council adopted Ordinance No. 2121 declaring a Stage 2
3 drought emergency. This action requires additional mandatory water restrictions for residents and
4 businesses effective August 1, 2015. The Council action to declare the Stage 2 drought emergency
5 plan:

- 6
- 7 • Bans watering public street medians and all watering between 9 a.m. and 5 p.m.
- 8 • Limits all watering to two days per week: Mondays and Thursdays only.
- 9 • Adopts a 20 percent water conservation goal citywide that aligns with mandated reductions
10 set by the state.
- 11 • Reinforces that violators face fine up to \$500 per incident.
- 12

13 **City of Montebello General Plan**

14 The Conservation Element of the City of Montebello General Plan includes the following goal (City
15 of Montebello 1975):

- 16
- 17 • *Goal 3: Promote the reclamation of waste and recycling of materials wherever feasible*
- 18

19 **City of Montebello Water Conservation Ordinance**

20 In 2009, the City of Montebello adopted its Water Conservation Ordinance (Chapter 8.28 of
21 Montebello Municipal Code). This ordinance includes requirements to reduce water consumption
22 within the City of Montebello through conservation and effective water supply planning.
23 Specifically, the ordinance contains the following provisions:

- 24
- 25 • Prohibits the watering or irrigating of a lawn, landscape, or other vegetated area with
26 potable water between 10:00 a.m. and one hour before sunset.
- 27 • Limits continuous water usage for irrigation purposes to no longer than 15 minutes per day.
- 28 • Prohibits excessive water flow or runoff onto non-landscaped areas.
- 29 • Prohibits the use of water for washing down hard or paved surfaces.
- 30 • Prohibits the use of water for washing vehicles, except by use of a hand-held bucket.
- 31

32 **Other General Plans**

33 General Plans for the following jurisdictions were also reviewed, but none of the goals and policies
34 related to recreation contained in these documents were found to be applicable to the proposed
35 project:

- 36
- 37 • City of Bell Gardens (1995) General Plan
- 38 • City of Commerce (2008) 2020 General Plan
- 39 • City of Industry (2014) General Plan
- 40 • City of Pasadena (not dated) General Plan
- 41 • City of Rosemead (2010) General Plan

- 1 • City of South El Monte (2000) General Plan
- 2 • Los Angeles County (2015) General Plan

4.12.3 Impact Analysis

4.12.3.1 Methodology and Significance Criteria

8 Impacts on public services and utilities were evaluated according to the following significance
9 criterion. The criterion was defined based on the checklist items in Appendix G of the California
10 Environmental Quality Act Guidelines. The proposed project would cause a significant impact on
11 public services or utilities if it would:

- 13 a) Result in substantial adverse physical impacts on governmental facilities or from the need
14 for new or physically altered governmental facilities, the construction of which could cause
15 significant environmental impacts, in order to maintain acceptable service ratios, response
16 times, or other performance objectives for any of the following public services: (1) fire
17 protection, (2) police protection, (3) schools, (4) parks, or (5) other public facilities;
- 18 b) Exceed wastewater treatment requirements of the applicable Regional Water Quality
19 Control Board (RWQCB);
- 20 c) Require or result in the construction of new water or wastewater treatment facilities or
21 expansion of existing facilities, the construction of which could cause significant
22 environmental effects;
- 23 d) Require or result in the construction of new storm water drainage facilities or expansion of
24 existing facilities, the construction of which could cause significant environmental effects;
- 25 e) Not have sufficient water supplies available to serve the project from existing entitlements
26 and resources or require new or expanded entitlements;
- 27 f) Result in determination by the wastewater treatment provider which serves or may serve
28 the project that it has adequate capacity to serve the project's projected demand in addition
29 to the provider's existing commitments;
- 30 g) Be served by a landfill without sufficient permitted capacity to accommodate the project's
31 solid waste disposal needs; or
- 32 h) Not comply with federal, state, or local statutes and regulations related to solid waste.

4.12.3.2 Applicant Proposed Measures

36 There are no applicant proposed measures associated with public services or utilities.

1 **4.12.3.3 Environmental Impacts**
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3 **Impact PSU-1: Result in substantial adverse physical impacts on governmental facilities or**
4 **from the need for new or physically altered governmental facilities, the construction of**
5 **which could cause significant environmental impacts, in order to maintain acceptable**
6 **service ratios, response times, or other performance objectives for any of the following**
7 **public services: (1) fire protection, (2) police protection, (3) schools, (4) parks, or (5) other**
8 **public facilities.**
9

10 **Fire Protection**

11 *LESS THAN SIGNIFICANT*

12 Risks to people or structures associated with the potential for loss, injury, or death related to
13 wildland fires is discussed in Section 4.7, "Hazards and Hazardous Materials." As noted in that
14 section, the proposed main project components would not be located in an area designated by the
15 California Department of Forestry and Fire Protection as a Very High Fire Hazard Severity Zone.
16 Sparks from construction equipment or from site personnel smoking would increase the risk of fire
17 in the proposed project area. However, project components would be located within, or cross,
18 several jurisdictions, each of which provide fire protection for areas within their jurisdiction. The
19 temporary increase in fire risk in any one of these jurisdictions would not impact the level of
20 service for fire protection in that jurisdiction such that construction of new or alteration of existing
21 fire station would be needed to maintain acceptable service.
22

23 Temporary lane closures or lane reductions would be required during construction. These closures
24 would be coordinated with emergency services and appropriate traffic controls measures would be
25 implemented, as discussed in Section 4.14, "Traffic and Transportation." Therefore, there would be
26 no impact on response times.
27

28 Proposed project operations would be similar to ongoing operations for the existing Mesa
29 Substation and existing distribution, subtransmission, and transmission lines. There would be no
30 increase in personnel during operations from the existing conditions. The applicant would continue
31 to comply with California Public Utilities Commission (CPUC) General Order requirements related
32 to clearance for electrical equipment to reduce the potential for fire hazards, as discussed further in
33 Section 4.7, "Hazards and Hazardous Materials." Therefore, impacts to fire protection during
34 construction and operation would be less than significant.
35

36 **Police Protection**

37 *LESS THAN SIGNIFICANT*

38 Police assistance may be needed in the case of theft or vandalism of the applicant's materials, which
39 would be stored within the proposed Mesa Substation work area, staging yards, or work areas at
40 satellite substations. These areas would be secured during construction to reduce the potential for
41 such activities. Construction equipment would also be stored at staging yards, which would be
42 fenced to reduce the potential for theft.
43

44 Proposed operations would be similar to ongoing operations for the existing Mesa Substation and
45 existing distribution, subtransmission, and transmission lines. The Mesa Substation site area would
46 be enclosed by a 12-foot perimeter wall constructed in compliance with federal and municipal
47 security requirements. Barbed and/or razor wire would be affixed near the top of the enclosure

1 inside of the substation site. There would be no increase in personnel during operations from the
2 existing conditions.

3
4 The potential need for police services in any one of the jurisdictions within which the proposed
5 project is located, or crosses, would not impact the level of service such that construction of new or
6 alteration of existing police station would be needed to maintain acceptable service. Therefore,
7 impacts to police protection during construction and operation would be less than significant.

8
9 **Schools, Parks, and other Public Facilities**

10 *NO IMPACT*

11 Construction of the proposed project would last approximately 55 months. During peak
12 construction periods, the applicant estimates that up to 435 employees could be working
13 simultaneously on various components throughout the proposed project area.

14
15 The applicant anticipates that construction would be performed by either the applicant's local
16 construction crews or contractors commuting from the Los Angeles area and would not require
17 workers to relocate, as discussed further in Section 4.11, "Population and Housing," and Section
18 4.13, "Recreation." There would be no increase in personnel during operations. Therefore, the
19 proposed project would not impact the performance levels of schools, parks, or other public
20 facilities, necessitating the construction of new, or alteration of existing, public facilities for these
21 uses. For additional information regarding impacts on recreation associated with construction of
22 the proposed project see Section 4.13, "Recreation."

23
24 **Impact PSU-2: Exceed wastewater treatment requirements of the applicable Regional Water**
25 **Quality Control Board.**

26 *LESS THAN SIGNIFICANT*

27
28 **Construction**

29 Some wastewater would be generated during the 55-month construction period. Up to 435
30 employees may use portable restrooms during peak construction periods. Portable restrooms
31 would be located in various locations across the proposed project area (e.g., at the proposed Mesa
32 Substation site, at staging yards, along telecommunications routes, or at other existing substations
33 where work would be performed). Wastewater from these portable restrooms would be disposed
34 of by a licensed contractor at an off-site location, in accordance the Los Angeles RWQCB's
35 requirements. Therefore, the proposed project would not exceed wastewater treatment
36 requirements established by the Los Angeles RWQCB, and there would be a less than significant
37 impact under this criterion during construction.

38
39 **Operation and Maintenance**

40 During operations, minimal wastewater would be generated at the proposed Mesa Substation site
41 from the use of on-site restroom facilities. The City of Monterey Park is the current service provider
42 for the existing Mesa Substation and would continue to provide service for the proposed Mesa
43 Substation during operations. Wastewater collected by the city would be transported through
44 sewer pipelines to the LACSD for treatment at the Joint Water Pollution Control Plant in Carson,
45 California. Staffing at the proposed Mesa Substation is anticipated to be similar to current staffing at
46 the existing Mesa Substation; therefore, the amount of wastewater generated would not be an
47 increase from baseline conditions. No other proposed components would have any effect on

1 wastewater treatment requirements during operations. As a result, impacts under this criterion
2 would be less than significant during operations.

3
4 **Impact PSU-3: Require or result in the construction of new water or wastewater treatment**
5 **facilities or the expansion of existing facilities, the construction of which could cause**
6 **significant environmental effects.**

7 *LESS THAN SIGNIFICANT*

8
9 **Construction**

10 As previously described, construction crews would use portable toilets and only a small amount of
11 wastewater would be generated from the up to 435 construction workers during construction.
12 Wastewater generated during construction would be disposed of by a licensed contractor at an off-
13 site location, in compliance with Los Angeles RWQCB standards and sanitation waste management
14 practices. Potable water is not needed during construction.

15
16 Construction of the proposed project would also require the relocation of an existing MWD 72-inch
17 pipeline, which currently crosses the proposed Mesa Substation site area and Potrero Grande Drive
18 in a north-south alignment. This activity would not impact water or wastewater treatment facilities.
19 Other impacts associated with the MWD pipeline relocation are discussed under Impact PSU-9.

20
21 Therefore, construction of the proposed project would not result in the need for additional capacity
22 of the existing municipal water or wastewater treatment systems, the construction of which could
23 cause a significant environmental effect. Impacts under this criterion would be less than significant
24 during construction.

25
26 **Operation and Maintenance**

27 Operation and maintenance activities for the proposed project would be similar to those currently
28 conducted by SCE at the existing substation facility. As previously discussed, these activities would
29 generate minimal wastewater, mainly from the on-site permanent restrooms and sinks. SCE would
30 apply for and obtain approval for modification of sewer service from the City of Monterey Park in
31 order to connect its new facilities to the sewer system. However, since the number of staff is not
32 anticipated to increase at the substation, the amount of wastewater generated from the use of
33 restroom facilities would not increase. Accordingly, there would be no increase in the wastewater
34 volume generated during operations. Therefore, the proposed project would not result in the need
35 to expand existing or construct new wastewater treatment facilities.

36
37 During operations, SCE has indicated that there would be no increase in water use from existing
38 operations and maintenance activities at the proposed project site. SCE currently uses an annual
39 average of 3 AFY. SCE has indicated that it would continue to use water for the restroom facilities,
40 irrigation, and equipment maintenance. Because there is no anticipated increase in water use, no
41 new or expanded water delivery facilities would be necessary for operation of the proposed project.
42 Potable water would be used for the irrigation of any on-site landscaping associated with the
43 substation, and deionized water would also be used for equipment maintenance, similar to current
44 operations. In addition, the proposed project would comply with Monterey Park Emergency Water
45 Conservation Regulations, in accordance with a water ordinance adopted by the City in 2015. (City
46 of Monterey Park 2015b). The ordinance enacts water conservation measures and requirements in
47 response to emergency regulations promulgated by the State Water Resources Control Board

1 (SWRCB), including irrigation and watering restrictions. Therefore, impacts under this criterion
2 would be less than significant during operations.
3

4 **Impact PSU-4: Require or result in the construction of new storm water drainage facilities or**
5 **expansion of existing facilities.**
6

7 **Construction**

8 *LESS THAN SIGNIFICANT WITH MITIGATION*

9 Construction of the proposed Mesa Substation would alter the existing drainage patterns on site.
10 The proposed Mesa Substation site area currently slopes from the northeast toward the southwest.
11 During construction, the applicant would remove vegetation and grade and fill the site area to level
12 the site. There are several ephemeral drainages that would be filled during site preparation, as
13 discussed further in Section 4.3, "Biological Resources." Construction of the proposed Mesa
14 Substation would result in approximately 18.1 acres of new impervious surfaces from new
15 driveways, equipment foundation pads, and buildings within the site area.
16

17 Impacts to these drainage features, grading, vegetation removal and the introduction of new
18 impervious surfaces would increase water runoff to the storm water drainage system during
19 construction. The use of water for dust control purposes would also contribute to runoff. Onflow
20 from upstream areas (i.e., west of the proposed substation site area) would also be interrupted by
21 construction of the proposed substation. Changes to sheetflow and onflow could require or result in
22 the construction of new storm water drainage facilities or the expansion of existing facilities if not
23 properly managed, which would result in significant environmental impacts. However, MM HY-1
24 (see Section 4.8, "Hydrology and Water Quality") would require that SCE develop a Storm Water
25 Pollution Prevention Plan (SWPPP), which would include design features to control runoff rates,
26 direct water to the direction of natural drainage, and incorporate SWPPP best management
27 practices to minimize erosion that could cause sedimentation and loss of receiving water capacity
28 during construction. In addition, MM HY-3 requires a drainage plan be prepared and implemented
29 by the applicant and approved by Monterey Park and the CPUC. The design would limit impacts to
30 existing drainage patterns downstream of the substation by ensuring that runoff does not alter
31 swales and other drainage features outside of the substation limits. With implementation of the
32 SWPPP and design features as part of the final grading plan, the proposed project would not result
33 in the construction of new storm water drainage facilities or the expansion of existing facilities
34 during project construction and impacts under this criterion would be less than significant.
35

36 **Operation and Maintenance**

37 *LESS THAN SIGNIFICANT WITH MITIGATION*

38 During operation, on-site runoff at the proposed Mesa Substation site would be directed to a
39 detention basin in the southwest corner of the site area or otherwise contained by allowing it to
40 percolate into the ground in permeable areas. Runoff discharge from the detention basin would
41 follow the existing drainage pattern, from the northeast towards the southwest. However, impacts
42 from detention basin that is not calculated to adequately capture runoff may overwhelm the system
43 and could result in the construction of new storm water drainage facilities or an expansion of
44 existing facilities. This could result in significant environmental impacts. To ensure the detention
45 basin is adequate to handle stormwater runoff MM HY-4 requires it be built in accordance with the
46 Los Angeles County Department of Public Works Hydrology Manual and its Low Impact
47 Development Standards Manual. Stormwater runoff would be collected in existing and upgraded

1 drainage systems on site that would be designed to accept the anticipated runoff capacity.
2 Therefore, the proposed project would not result in the construction of new storm water drainage
3 facilities or the expansion of existing facilities during project operations, and impacts under this
4 criterion would be less than significant.

5
6 **Impact PSU-5: Insufficient water supplies available to serve the project from existing**
7 **entitlements and resources or new or expanded entitlements required.**
8 *LESS THAN SIGNIFICANT*

9
10 **Construction**

11 During construction, The Monterey Park Department of Public Works Water Utility Division would
12 supply water for the proposed project. An estimated 279 AF of water would be used throughout the
13 55-month duration of construction.

14 As previously discussed, the City of Monterey Park has a prescriptive pumping right to 6,704.08
15 AFY and a pumper's share of 3.39216 percent of the operating safe yield (OSY). The preliminary
16 OSY for the Main San Gabriel Basin for fiscal year 2015–2016 is 150,000 AFY and approximately
17 130,000 AFY through 2020 (Main San Gabriel Basin Watermaster 2015a). Based on this OSY, the
18 city would be entitled to approximately 5,882 AFY in fiscal year 2015–2016 and approximately
19 5,098 AFY in fiscal years 2017 through 2020.

20 In fiscal year 2014–2015, the City of Monterey Park pumped a total of 8,139 AFY of groundwater
21 from wells (Main San Gabriel Basin Watermaster 2015b). In the last five years, the highest water
22 use in the City was 9,024.67 AF (Main San Gabriel Basin Watermaster 2015b). Given the likely OSY
23 and predicted demand, it is reasonable to assume that the City will produce more than its
24 entitlement during the years of project construction and will be required to pay the Watermaster a
25 fee to recharge the ground basin. To conservatively assess impacts, it is assumed that up to half of
26 the estimated construction water, or 140 AF, may be used in the first year of construction, when the
27 majority of grading activities would occur, and less in subsequent years. This water requirement
28 would add to the City's expected overproduction beyond their entitlement. However, 140 AF would
29 amount to a less than 7 percent increase in overproduction (based on 2012, when the City's
30 overproduction was the lowest in the last five years and totaled 2,049 AF). The applicant had
31 requested the City to issue a will-serve letter to cover a five-year water supply during construction.
32 Based on the current state of the basin, the City stated it would only issue a will-serve letter to
33 cover one to two years of supply (Talbot et al. 2015). However, it is reasonable to assume that the
34 City could provide sufficient water for the duration of project construction based on the City's past
35 practice with overproduction and the fact the City of Monterey Park is not limited in the total water
36 it may pump from the Main San Gabriel Basin. Therefore, there would be sufficient water supply
37 available to serve the project during construction, and no new or expanded entitlements would be
38 required for construction of the proposed project. Impacts under this criterion would be less than
39 significant.

40
41 **Operation and Maintenance**

42 During operations, SCE has indicated that there would be no increase in water use over that used
43 for existing operations and maintenance activities at the proposed project site. SCE currently uses
44 an annual average of 3 AFY. SCE has indicated that it would continue to use water for the restroom
45 facilities, irrigation, and equipment maintenance. Because there is no anticipated increase in water
46 use, no new or expanded water supply entitlements would be necessary for operation of the

1 proposed project. In addition, the project would comply with Monterey Park Emergency Water
2 Conservation Regulations, according to a water ordinance adopted by the city in 2015, which
3 requires water conservation measures and requirements in response to emergency regulations
4 promulgated by the SWRCB, including irrigation and watering restrictions, for as long as they are in
5 effect (City of Monterey Park 2015b). Impacts under this criterion would be less than significant.
6

7 **Impact PSU-6: Result in a determination by the wastewater treatment provider, which**
8 **serves or might serve the project, that it has adequate capacity to serve the project's**
9 **projected demand in addition to the provider's existing commitments.**

10
11 **Construction**

12 *LESS THAN SIGNIFICANT*

13 Portable toilets would be used during construction to manage sanitation wastewater for an average
14 of 126 workers and a maximum of 435 workers. Based on 29 Code of Federal Regulations Section
15 1926.51(c), at least eight portable toilets will be required when the maximum number of workers
16 are on site. The average portable toilet holds 60 gallons of wastewater; therefore, approximately
17 480 gallons of wastewater would be generated per day during construction. The generated
18 wastewater would be pumped by licensed sanitation contractors, in compliance with RWQCB
19 standards and sanitation waste management practices, and transported to a wastewater treatment
20 plant. The Joint Water Pollution Control Plant, located in Carson, California, serves the City of
21 Monterey Park Area and treats over 300 million gallons of wastewater per day (Sanitation Districts
22 of Los Angeles County n.d.). The small, temporary increase in wastewater comprises 0.00016
23 percent of and would be negligible in comparison to the 300 million gallons of wastewater treated
24 daily at the facility and would not result in an exceedance of wastewater treatment capacity.
25 Therefore, impacts during construction would be less than significant under this criterion.
26

27 **Operation and Maintenance**

28 *NO IMPACT*

29 Operation and maintenance activities for the proposed project would be similar to those currently
30 conducted by SCE on the existing substation facility. As previously discussed, these activities would
31 generate minimal wastewater, mainly from the on-site permanent restrooms and sinks. However,
32 since the number of staff is not anticipated to increase at the substation, the amount of wastewater
33 generated from the restroom facilities would not increase. Because there would be no increase in
34 wastewater volumes, there would be no impact on wastewater treatment facilities during
35 operations.
36

37 **Impact PSU-7: Served by a landfill without sufficient permitted capacity to accommodate the**
38 **project's solid waste disposal needs.**

39 *LESS THAN SIGNIFICANT*

40
41 **Construction**

42 During construction of the proposed project, solid waste, e.g., waste from building construction,
43 waste associated removal of existing buildings, excess soils, green waste, refuse, spoils, and treated
44 wood poles would be generated. Treated wood poles would be reused by SCE, returned to the
45 manufacturers, disposed of in a Class I hazardous waste landfill, or disposed of in the lined portion
46 of an RWQCB-certified municipal landfill, as discussed further in Section 4.7, "Hazards and
47 Hazardous Materials." The remaining solid waste that cannot be recycled would be classified and

1 transported to Savage Canyon Landfill, Azuza Land Reclamation Landfill, or Scholl Canyon Landfill
2 in accordance with all applicable federal, state, and local regulations for solid and hazardous waste
3 disposal. These three landfills have a combined remaining capacity of approximately 53.5 million
4 cubic yards (CY) (CalRecycle 2015a, b, c) as shown in Table 4.12-3. The estimated quantity of solid
5 waste that would be generated for the proposed project to be deposited at approved landfills is
6 approximately 41,800 CY. Impacts under this criterion would be less than significant.

7 8 **Operation and Maintenance**

9 During operations, activities at the proposed Mesa Substation would be similar to ongoing
10 operations at the existing Mesa Substation. Because there would be no increase in employees at the
11 site, there would be no increase in common waste generated by employees. Standard, periodic
12 maintenance activities at all of the proposed components could generate minimal waste from the
13 materials used to perform the activities. However, there would be no increase in the amount of
14 solid waste generated from ongoing operations at these same components. Because there would be
15 no increase in solid waste generated from the current baseline, and because there are several
16 landfills within the area with sufficient capacity, there would be no impact under this criterion.

17 18 **Impact PSU-8: Noncompliance with federal, state, or local statutes and regulations related to 19 solid waste.**

20 *NO IMPACT*

21 22 **Construction**

23 Construction of the proposed project would result in the generation of both hazardous and non-
24 hazardous solid wastes. Disposal of hazardous waste is discussed under Impact PSU-7, as well as in
25 Section 4.7, "Hazards and Hazardous Materials." Non-hazardous waste (e.g., wood, soil, vegetation,
26 sanitary waste, and metal) would be disposed of at an appropriate landfill with sufficient capacity,
27 as discussed under Impact PSU-7, or recycled to the extent feasible.

28
29 The majority of project-related construction waste would be generated within the City of Monterey
30 Park from work at the proposed Mesa Substation site and on adjacent transmission line
31 components. The proposed project would generate approximately 41,800 CY of solid waste during
32 construction, of which approximately 18,392 CY (or 44 percent) would be recycled (SCE 2015). The
33 City of Monterey Park has adopted a Source Reduction and Recycling Element to document its
34 waste diversion goals, recycling programs, and strategies for achieving solid waste diversion goals
35 in compliance with Assembly Bill 939 (California Integrated Waste Management Act) standards
36 (City of Monterey Park 2000). The applicant would comply with Assembly Bill 939 and local Source
37 Reduction and Recycling Elements. In addition, the California Green Building Standards require
38 recycling and/or salvaging for reuse of a minimum of 50 percent of the nonhazardous construction
39 and demolition waste for nonresidential building structures. The applicant would comply with this
40 requirement for covered buildings at the proposed Mesa Substation site. Therefore, there would be
41 no impact under this criterion.

42 43 **Operation and Maintenance**

44 During operations, the amount of solid waste generated by the proposed project would be similar
45 to that associated with ongoing operations and maintenance at the existing facilities. The applicant
46 would continue to comply with all federal, state, and local statutes pertaining to solid waste during
47 operations. Therefore, impacts under this criterion would be less than significant during
48 operations.

1
2 **Impact PSU-9: Result in interruption of utilities and cause a substantial adverse impact.**

3
4 **Construction**

5 *LESS THAN SIGNIFICANT WITH MITIGATION*

6 Proposed construction activities would require ground disturbing activities in several work areas.
7 Pursuant to California Government Code Sections 4216–4216.9, the applicant would contact the
8 Underground Service Alert of Southern California at least two working days prior to conducting
9 excavation activities for any component of the proposed project within a public right-of-way.

10
11 As previously discussed, construction of the proposed project would require the removal of an
12 existing MWD 72-inch pipeline, which currently bisects the proposed Mesa Substation site in a
13 north-south direction and crosses Potrero Grande Drive. The removal of this pipeline without an
14 agreement to replace the waterline would result in the interruption of utilities to a portion of the
15 MWD’s service area. The lack of water supply could result in a significant effect to critical services
16 such as fire protection and hospitals. To ensure the water service is not interrupted by the
17 construction of the Mesa Substation, MM PS-1 requires that SCE reach a relocation agreement with
18 MWD prior to construction of the proposed project. This relocation agreement would ensure that
19 MWD customers do not experience inadequate water service. Impacts would be less than
20 significant with mitigation.

21
22 In order to loop in the existing Goodrich–Laguna Bell 220-kV Transmission Line to Mesa Substation,
23 a line outage would be required, which would result in electrical outages within the City of
24 Pasadena. However, the proposed project would involve the installation of a steel pole structure
25 and conductor to temporarily connect the Eagle Rock–Mesa 220-kV Transmission Line to Goodrich
26 Substation and provide a second line of service to the City of Pasadena during this outage.

27
28 Other minor planned outages would be required during conductor and cable stringing. These
29 outages would be short term and temporary. Furthermore, critical services, such as hospitals, have
30 backup electricity for outage situations. The minor temporary disruptions would therefore not
31 result in a significant impact.

32
33 **Operation and Maintenance**

34 *NO IMPACT*

35 Operation and maintenance activities of the proposed project would not require any expected
36 interruptions to utilities services. Therefore, there would be no impact under this criterion during
37 operations.

38
39 **4.12.4 Mitigation Measures**

40
41 **MM PS-1: Relocation Agreement with Municipal Water District.** Prior to construction that
42 would take the MWD’s 72-inch Middle Feeder Pipeline out of service, the applicant shall reach an
43 agreement with the MWD that will identify an alternate alignment that crosses the project site. This
44 relocation agreement will enable the MWD to maintain reliable deliveries of treated water to its
45 member agencies during relocation of the pipeline. SCE shall submit to the CPUC information from
46 the MWD confirming that relocation of the pipeline will not result in inability to adequately serve

1 customers. SCE shall submit this documentation at least 30 days prior to the pipeline being taken
2 out of service.
3

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