PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

November 15, 2017

Don Dow
Project Manager
Southern California Edison
2 Innovation Way, 3rd Floor
Cubicle 375A
Pomona, CA 91768

RE: Mesa 500-kV Substation Project – Notice to Proceed (NTPR)-2 for remaining project construction activities

Dear Mr. Dow:

Southern California Edison (SCE) has requested authorization from the California Public Utilities Commission (CPUC) to commence construction on all remaining activities for the Mesa 500-kV Substation Project (Mesa Substation Project). NTPR-2 shall include the removal, replacement, relocation, modification, and/or construction of: retaining walls and a perimeter wall, Mechanical Electrical Equipment Rooms (MEERs), operations and test and maintenance buildings, storm drains, lattice steel towers (LSTs), tubular steel poles (TSPs), wood poles, temporary steel poles, lightweight steel poles, underground duct banks, underground conduit, fiber optic cable, concrete foundations and pads, and associated splice boxes, manholes, vaults, and risers. NTPR-2 also includes the modification of equipment at 29 satellite substations. Construction for NTPR-2 will be confined to the activities described below.

Substation and Substation Support Components

Staging Yards
SCE or its contractor will utilize the same three staging yards that were approved in NTPR-1. These staging yards will be used for substation construction, equipment maintenance, and the construction of additional transmission, subtransmission, distribution, and telecommunications features.

Site Preparation
Site preparation activities will involve final grading activities, vegetation removal, light installation, and land disturbance associated with the preparation of construction staging areas, and the installation of approximately 14,790 linear feet of new permanent access roads. SCE or its contractor(s) will also engage in activities associated with the installation of temporary chain-link fencing around the new Mesa Substation boundary.

Retaining Walls and Perimeter Wall
One permanent retaining wall will be installed under NTPR-2. The retaining wall will be approximately 635 feet long, with a maximum height of 18 feet and a perimeter wall on top. This retaining wall will be located on the northern side of the Mesa Substation site along Potrero Grande Drive and will connect to a retaining wall built under NTPR-1. There will also be a small, 29-foot-long retaining wall installed perpendicular to the retaining wall, just west of the

future permanent driveway. Additionally, there will be a 10-foot-tall, 2,400-linear-foot-long perimeter wall installed along the southern portion of the new Mesa Substation boundary.

Storm Drain
Activities associated with the storm drain component under NTPR-2 include the installation of 18 manholes, one headwall/wingwall, and approximately 4,700 linear feet of storm drain pipe (in various diameters from 18 to 72 inches).

Modifications to the Existing Mesa Substation
SCE or its contractor(s) will engage in activities within the existing Mesa Substation, including removal of all idled equipment and demolition of all switchracks and existing buildings. Site preparation includes removal of vegetation and temporary fencing around the energized substation.

Construction of the New Mesa Substation
SCE or its contractor(s) will engage in activities associated with the construction of the new Mesa Substation, including construction of all new switchracks and installation of associated apparatus (transformers, circuit breakers, disconnect switches).

Mechanical Electrical Engineering Room
SCE or its contractor(s) will engage in activities associated with the construction and installation two proposed MEERs: a senior MEER and a junior MEER. The senior MEER will be constructed onsite from a pre-engineered metal building and will be connected to the proposed 500-, 22-, and 66-kilovolt (kV) switchracks. The junior MEER will be delivered to the site pre-fabricated and will be connected to the 16-kV switchrack. Both MEERs will be connected to the switchracks through underground cable trenches and/or conduit banks.

Operations and Test and Maintenance Buildings
The permanent Operations Building will be approximately 100 feet wide, 150 feet long, and 25 feet tall. The building will be a pre-engineered metal building shell and will include an exterior patio. Additionally, a new permanent Test and Maintenance Building will be built within the new Mesa Substation boundary and will also be a pre-engineered metal building. The Test and Maintenance Building will be approximately 100 feet wide, 165 feet long, and 35 feet tall. Both buildings will have permanent restrooms and locker rooms, and will be equipped with sewer and water services.

Satellite Substations
SCE or its contractor(s) will engage in activities at 29 satellite substations, including the replacement of existing protective relay equipment (Wave Traps) within each substation's MEER, replacement of equipment within existing switchracks (circuit breakers, disconnect switches, line risers, and associated control and power cables/conductor), and the installation of duct banks and underground cables. SCE or its contractor(s) will also conduct in-service testing and end-to-end testing at the satellite substations. At Goodrich Substation, SCE or its contractor(s) will connect new telecommunications conduits from the LSTs adjacent to the substation property to the existing MEER at that substation.

Transmission Line Relocations

- Replace eight existing 220-kV LSTs and two existing 220-kV TSPs with eight new LSTs and four new TSPs in areas adjacent to the Mesa Substation site. Structure removal will include existing conductor and foundations to various depths. Structure installation will include new foundations and conductor.

- Replace three existing 500-kV LSTs with two new LSTs within the Mesa Substation property boundary and in the transmission right-of-way (ROW) areas adjacent to Mesa Substation site. Structure removal will include existing conductor and foundations to various depths. Structure installation will include new foundations and conductor.

- Install temporary guard structures (wood poles or equipped boom trucks) on either side of Greenwood Avenue where conductor is removed and/or replaced.

- Install a total of six temporary steel poles and 16 spans of temporary conductor on temporary re-routes to six different satellite substations.

- Conduct grading and other site preparation activities, including installation of new permanent access roads, modification of existing access roads, and crane pads associated with tower assembly and erection.

Subtransmission Line Relocations

- Replace 50 existing 66-kV structures (LSTs, TSPs, wood poles, and lightweight steel poles) with 16 new TSP structures and two lightweight steel poles within the Mesa Substation property boundary and in the transmission ROW areas adjacent to the Mesa Substation site.

- Remove existing conductor and foundations to various depths, and replace with new foundations and conductor.

- Install temporary guard structures (wood poles or equipped boom trucks) on either side of Greenwood Avenue where conductor is removed and/or replaced.

- Install approximately 20,000 feet of underground duct banks and 27 vault structures within adjacent transmission ROW and franchise areas. Duct bank installation will include three separate horizontal directional drill sections (crossing Potrero Grande Drive, parallel to Potrero Grande Drive along the north side of the street, and crossing Greenwood Avenue), totaling approximately 7,000 linear feet in length. Underground power cable will be installed in duct banks.

- Remove 16 temporary wood poles and nine double-circuit spans of conductor.

- Conduct vegetation removal and other site preparation activities, including modification of existing access roads, land disturbance for construction work sites, and crane pads associated with structure assembly and erection

Telecommunications Line Relocations

- Fiber Tap #1 (Telecommunications Route 1)
    - Install approximately 200 feet of new underground conduit, a riser and splice cabinet, and approximately 13,000 feet of new fiber cable on approximately 79 existing poles.
- Fiber Tap #2 (Telecommunications Route 2a and 3)
    - Install approximately 300 feet of new underground conduit, a riser and splice cabinet, approximately 650 feet of new underground conduit, and one associated manhole on Avenida De La Merced/Montebello Boulevard, and approximately 28,000 feet of new fiber cable on approximately 136 existing poles.
- Mesa Substation
    - Install new underground conduit and a manhole in Potrero Grande Drive, and install and remove fiber and copper cables in various existing overhead and underground structures.
- Goodrich Substation
    - Install approximately 750 feet of new underground conduit, a riser and splice cabinet, a manhole and approximately 1,300 feet of new fiber cable.
    - Conduct vegetation removal and other site preparation activities associated with structure installation.

Distribution Line Relocations

- Install one pullbox and approximately 200 feet of underground conduit from Greenwood Avenue.
- Install a pad-mounted switch and pad-mounted transformer on structures to be installed inside the new Mesa Substation boundary adjacent to the new Operations Building.
- Install three vaults and approximately 1,500 feet of new underground conduit on, towards, and within Potrero Grande Drive. Install associated cables within new ducts and structures installed within the new Mesa Substation boundary.
- Install one vault and approximately 700 linear feet of new underground conduit toward and across Markland Avenue.
- Install one TSP and approximately 300 feet of new underground conduit within the new Mesa Substation boundary, and approximately 600 feet of new overhead conductor south across State Route (SR) 60 to connect with existing 16-kV circuitry. Install cables within new ducts and structures to be installed within the new Mesa Substation boundary.

These activities are further described in the Final Environmental Impact Report (FEIR) and FEIR Errata for the Mesa Substation Project [as adopted by the CPUC (Decision 17-02-015)].

NTPR-2 is granted by the CPUC for the proposed construction activities based on the understanding that SCE and its contractor(s) will meet the following conditions:

- SCE shall comply with all Applicant Proposed Measures (APMs) and Mitigation Measures included in the Mitigation, Monitoring, Compliance, and Reporting Program (MMCRP) for the Mesa Substation Project. All project compliance plans and permit conditions shall be implemented during construction activities. Some measures are on-going/time-sensitive requirements and shall be implemented prior to and during construction, where applicable.

- Copies of all relevant permits (e.g., Section 1600 Streambed Alteration Agreement, Biological Opinion, Section 404 Permit), compliance plans (e.g., MMCRP, Stormwater Pollution Prevention Plan [SWPPP]), and this NTPR shall be available onsite for the duration of construction activities. Copies of permits shall be provided to the CPUC.

- Preconstruction clearance surveys for biological, cultural, and paleontological resources shall be conducted, as appropriate, prior to construction activities by CPUC-approved monitors.

- All project personnel shall undergo Worker Environmental Awareness Program training on environmental issues, including requirements of the MMCRP, prior to starting work. A log shall be maintained onsite with the names of all trained project personnel, and sign-in sheets shall be submitted to the CPUC monthly.

- No movement or staging of construction vehicles or equipment will be allowed outside of the approved workspace areas. If additional temporary workspace areas or access routes and/or changes to construction techniques are required, these must be reviewed and approved by the CPUC.

- If construction debris or spills enter into environmentally sensitive areas, the jurisdictional agencies and the CPUC shall be notified immediately.

- SCE shall acquire all necessary encroachment permits from the California Department of Transportation (Caltrans) prior to conducting work within the Caltrans ROW.

- If hazardous materials in amounts over threshold quantities are to be stored onsite, then a Hazardous Materials Business Plan shall be submitted to the CPUC within 30 days prior to the storage of these materials.

- If transformer oil will be delivered to the project site, then a Spill Prevention, Control, and Countermeasure (SPCC) Plan shall be prepared and submitted to the CPUC within 30 days prior to delivery.

- SCE shall send pre-construction notifications to sensitive receptors located within 100 feet of construction activities at least 30 days prior to construction.

Sincerely,

Lisa Orsaba
CPUC Project Manager

cc:
Jenny Vick, E & E Project Manager
Lori Rangel, SCE Environmental Project Manager

Attachments: Notice to Proceed Request-2 for Remaining Project Related Activities for the Mesa 500-kV Substation Project