Electric Vehicle Supply Equipment (EVSE) Submittal Requirements for Commercial Projects

1. Application Documents:
   - Building Permit Application Form CDD-0200
   - Commitment letter from SMUD for new or upgraded services

2. Architectural Site Plan:
   - Inclusive of project data, EVSE locations and quantities, accessible path of travel and associated details as required by the California Green Building Standards Code

3. EVSE plans inclusive of:
   a. Electrical Plans:
      - Electrical site plan
      - EVSE layout and circuitry
      - Equipment schedule and EVSE cut sheets
      - Location of SMUD transformer, service equipment, panels, controllers, etc.
      - EVSE subject to vehicle collision shall be protected from physical damage. Install a bollard on each side in front of the charger. Bollards shall be a minimum of 4” diameter, 2’ below grade, and 4’ above ground
   b. Single line diagrams and plans:
      - Main service size
      - Size of service entrance conduit and conductors (include type)
      - Size of any wireways or busways
      - Size and type of all overcurrent protective devices
      - Feeders (include size and type of conduit and conductors)
      - AIC ratings (service, panel boards, etc.)
      - All ground conductor sizes: UFER ground, supplemental ground, water and gas bonding
      - Transformers, their size and type, transformer grounds
   c. Load calculations:
      - Complete NEC calculations based on square footage and actual loads (include 125% for continuous loads and add 25% of largest motor. Note: EVSE is considered as a continuous load
      - Complete Panel Schedule:
        - Voltage and ampere ratings
        - Phase and wire number (3 or 4 wire)
        - Breaker or fuse sizes
        - Main circuit breaker (M.C.B) or main lugs only (M.L.O.)
        - AIC rating (service, panel boards, etc.)
        - Loads of each circuit
        - Panel total load