

SMUD Commercial Development

Large load customer roadmap

Overview

We're committed to supporting large load projects throughout our service territory. This roadmap outlines the general process for development projects with operational electrical loads between 4 MW and 50 MW. For projects exceeding 50 MW, please contact our Commercial Development team to discuss transmission level service and site eligibility.

1 Contact local agency

Each local agency has its own requirements for construction projects.

2 Site review and initial large load analysis

Email Development@smud.org with your proposed site location, anticipated loads, construction timeline, load ramp schedule, and site plan (if available) to assess site suitability for large loads (4 – 50 MW).

- **Customer responsibility:** Provide site details and project requirements.
- **Substation requirement:** Customers with loads between 4 MW and 50 MW are required to design, build, own, and maintain a private substation on their project site.
- **SMUD analysis:** We will evaluate the site's proximity to existing facilities, available load capacity, and high-level project timing.
- **Next steps:** If the site is deemed feasible, we'll provide requirements and deposit information to proceed with a formal application.
- **Resources:** For technical service requirements, please review **SMUD's Primary Service Engineering Specifications T010**

3 Application requirements

Please prepare and submit the following documentation through the SMUD Developer Portal:

1. Project Application (via Developer Portal)
2. Site plan (PDF and AutoCAD format)
3. Load calculations
4. Load ramp-up schedule
5. Substation site plan
6. Single line diagram
7. \$25,000 deposit

4 Complete SMUD application

- **Coordination:** Once we receive your completed application, our Commercial Development team will schedule a project meeting with your team and our technical staff to review requirements and timelines.
- **Facilities extension:** In certain cases, extension of 69 kV facilities may be necessary. Customers may be required to obtain easements for these extensions.
- **Timeline:** Allow up to 180 days for our review and approval process.



This coordinated process ensures large commercial load projects progress smoothly through all phases. Our Commercial Development team provides **proactive support, clear communication and a single point of contact** from initiation to completion.

5 Substation construction

- **Customer responsibility:** The developer is responsible for constructing the onsite substation with SMUD 69 kV facilities providing service. Specialized SMUD equipment will be placed onsite within the customer substation and we'll inspect construction for safety and compliance.

6 SMUD inspections

- **Process:** We conduct inspections at key construction milestones. All infrastructure installed by the developer, as well as SMUD-related facilities, must be approved at each stage.

7 SMUD 69kV construction

- Upon meeting agreed on project milestones (customer and SMUD), we'll initiate construction of the required 69kV facilities to connect the new substation.

8 Final cost estimate

- As construction of the onsite substation and (if applicable) the joint trench nears completion, we'll provide the final design and cost estimate for our portion of the project.

9 Meter equipment installation

- **Process:** Following local jurisdictional approval of the meter panel, we'll schedule the installation of the meter equipment.
- **Support:** Our Commercial Development team will coordinate the transition and advise on final steps to service initiation.

Contact us

Have questions about large load project eligibility or need more information? We're here to help. Contact our Commercial Development team at **916-732-5448** or **Development@smud.org**.