

SMUD Infrastructure Capacity Evaluation

Thank you for your interest in SMUD's Go Electric program.

If you are considering adding electrical load to your building, we offer a preliminary assessment of SMUD's transformer that serves your business to help anticipate potential infrastructure costs.

Many customers may not realize that adding loads to an existing electric panel might trigger a SMUD transformer upgrade — often at the customer's expense.

If you're adding load, even if a panel upgrade is not required, you should request a courtesy evaluation of SMUD's transformer capacity with the attached Infrastructure Capacity Evaluation Form.

If the project moves forward and you increase the size (rating) of your panel's main breaker, please ensure that you file an application with SMUD's Design and Construction Services at smud.org/en/Business-Solutions-and-Rebates/Design-and-Construction-Services.

If the existing main panel is not changing with the introduction of this new equipment AND the existing SMUD transformer has capacity for the added load, SMUD's infrastructure will not be impacted.

What happens after this evaluation?

Depending on the status of the transformer serving this meter, you will have several paths:

- 1) If a transformer upgrade is not needed and the project can be performed without increasing the panel main breaker rating, you are free to perform the project.
- 2) If the transformer upgrade is not needed, but the project requires a panel rewire, panel replacement or new service:
 - If your new panel is 200 amps or less, reach out to SMUD's commercial contact center at 877-622-7683 and request a "rewire".
 - Panels larger than 200 amps require application to SMUD's Design and Construction Services. 916-732-5700, dissched@smud.org.
smud.org/en/Business-Solutions-and-Rebates/Design-and-Construction-Services.

If a transformer upgrade is required, submit a deposit and application to SMUD's Design and Construction services. Depending on how SMUD serves the property (overhead or underground), SMUD's linework and construction costs may be at the customer's expense. In either case, design and construction for transformer upgrades typically take 4–6 months and will require proof that construction is progressing in earnest.

Contact SMUD for more information about incentives for your project. Visit smud.org/GoElectricBiz for building electrification incentives and smud.org/DriveElectricBusiness for electric vehicle charging incentives.

If you have any questions on completing this form, contact electrificationprograms@smud.org or call 916-732-5095.

Powering forward. Together.



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Converting your appliances from gas to electric, or adding new electric vehicle charging infrastructure may require upgrades to transformers and conductors on the utility side of the meter. The capacity of SMUD's infrastructure should be evaluated prior to purchasing equipment or starting construction.

This evaluation is provided as a courtesy and does not replace the meter and service application required for projects that impact SMUD's system. See SMUD's Project Application website at smud.org/projectapplication.

Addition of less than 10 kW to an existing panel does not require an evaluation.

Increasing the panel size always requires an infrastructure evaluation.

Customer Data Sharing Authorization	
SMUD is authorized to share details of my utility service with the contractor named below. Data provided to the contractor may include electrical infrastructure details, panel size, circuit breaker size, meter interval data, 24-month billing history , account number or meter number. Data sharing agreement expires one year from signature below.	
Electronic Signature	Email Address
Name	Phone Number
Account Number(s) or Meter Number(s)	Address
Contractor Contact Information	
Electronic Signature	Title
Business Name	
Business Address	
Phone	Email

Return completed form to electrificationprograms@smud.org. Within 7 to 10 business days, SMUD will provide a preliminary infrastructure capacity evaluation.



Project Information				
Project name			Start date	
Project address, city and zip			Completion date	
Project description				
Meter number or Account number	Existing panel size (Main breaker amps)	Proposed panel size (Main breaker amps, voltage, phase) If using existing panel, set to match existing.		
SMUD USE ONLY				
Transformer number	Transformer size	Net anticipated peak kW contribution (Summer/Winter)	Peak kW load	Remaining load
		Summer (June, July, August)		
		Winter (December, January, February)		
		Summer (June, July, August)		
		Winter (December, January, February)		
		Summer (June, July, August)		
		Winter (December, January, February)		
		Summer (June, July, August)		
		Winter (December, January, February)		
		Summer (June, July, August)		
		Winter (December, January, February)		
Notes				