



ELECTRIC UTILITY UPGRADES OR  
NEW CONSTRUCTION GUIDE

Whether you are upgrading utility service to remodel your home, or expanding your business, Anaheim Public Utilities is here to help you. This guide is intended to assist you with getting started on your project. Please keep in mind that these are general guidelines and estimates. Our design staff will help you identify service requirements for your distinct project. Below are some frequently asked questions to help get you started.

## FREQUENTLY ASKED QUESTIONS

### RESIDENTIAL CUSTOMER

**Q: I have a home construction project that involves upgrading or replacing my electric meter panel. Where should I start?**

**A:** Call our Utility Inspector and request a "Meter Spot Report." It's a simple process where we come to your home at your convenience and determine if your new electric panel will be in a location that meets applicable electric codes and standards. There is no charge for this service—it's typically scheduled within the next day or two—and it will only take about 30 minutes of your time. This will also enable you to get a more accurate quote from your contractor on how much it will cost to install your electric panel.

**Q: What should I do after I get my Meter Spot Report?**

**A:** After you obtain your Meter Spot Report and your construction plans, you (or your contractor) need to obtain a building permit at City Hall—located on the first floor of 200 S. Anaheim Blvd.—from 8 a.m. to 5 p.m. If you have questions, call The City's Building division at 714.765.5153 or visit [anaheim.net/building](http://anaheim.net/building). Once you obtain your building permit, you may proceed with your construction. Don't forget to call for a building inspection as detailed in your permit.

**Q: My electric service wires cross over my swimming pool; is that safe?**

**A:** If done properly, it is safe to have your electric service wires placed above a swimming pool provided that they satisfy height and type of wire requirements. If you have concerns about this, call our Utility Inspector to schedule a free inspection.

**Q: Can I convert the overhead service wires coming to my house underground?**

**A:** Yes. Our Home Undergrounding (HUG) Program offers a rebate to homeowners to help lower the cost to place your wires underground. Call Electrical Engineering to learn more.



### COMMERCIAL CUSTOMER

**Q: How do I get started with a new service or panel upgrade for my business?**

**A:** We have a 10-step checklist (available online or in-person at our front counter) to walk you through the process and help you determine what you need for your project (which depends on factors such as the site conditions, how much power your business needs, and what types of equipment you are installing). This is information that your electrical engineer or contractor will typically provide.

**Q: Does the utility install everything, or does my contractor?**

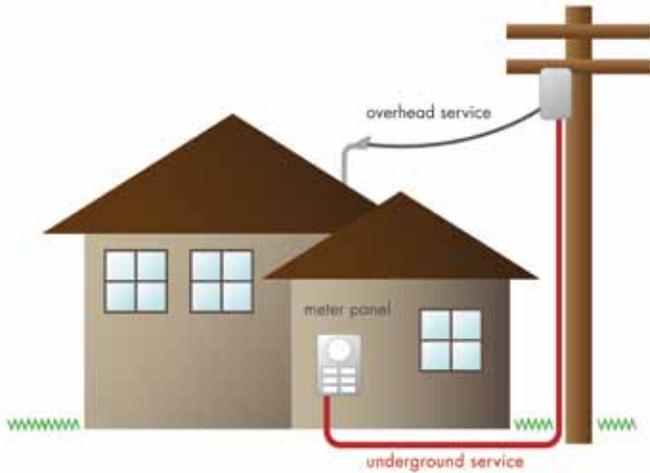
**A:** Typically, your contractor will perform the digging and trenching activities, and install the new panel and building cable, and Anaheim Public Utilities crews will install the utility equipment (utility cable, transformer, and meter). The specific circumstances and costs are determined by Anaheim's electric designer, and outlined in a service plan that shows who will be doing what. To get started, call Electrical Engineering.

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For residential meter spots, please contact our Utility Inspector at 714.765.6847

For all other inquiries, please contact Electrical Engineering at 714.765.5156

# COST INFORMATION



## RESIDENTIAL CUSTOMER

If you're looking to relocate or upgrade your electric meter panel for any reason, contact our Utility Inspector at 714.765.6847. At no charge we will go to your site and meet with you or your contractor to discuss project requirements, evaluate the location for your meter or panel, and ensure the technical aspects—such as power capacity and distance from the transformer to your meter—are appropriate. We will then issue a Meter Spot Report, to help make sure your meter and panel are located and sized to meet electric codes and standards. There is no fee for this preliminary inspection, nor for a Meter Spot Report.

Utility equipment and associated labor to design and install meters, transformers, and cable is included in the fee. Please note: if your planned upgrades exceed the capacity of the existing utility equipment, additional charges may apply to install higher capacity equipment and/or wires.

### OVERHEAD SERVICE

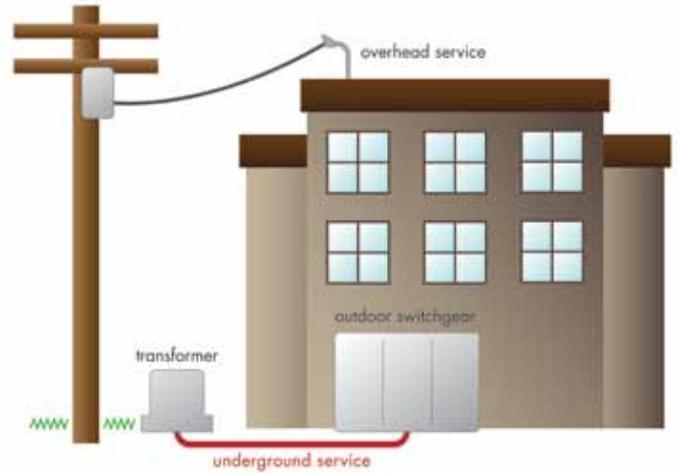
Service from a new overhead connection \$1,200 – \$1,500

### UNDERGROUND SERVICE

Service from an existing transformer \$2,000 – \$3,000

Service when a new transformer is required \$6,500 – \$8,000

For tracts or multi-family units, please call 714.765.5156 to determine costs.



## COMMERCIAL CUSTOMER

Estimates for commercial/industrial upgrades are based on existing facilities having adequate capacity. If the planned upgrades exceed existing capacity, additional charges may apply.

### OVERHEAD SERVICE

Service from a new service drop from an existing transformer \$2,000 – \$3,000

Service from a new/upgrade pole mounted transformer(s) \$3,500 – \$7,500

### UNDERGROUND SERVICE

Customers typically provide secondary and service cables for underground service.

Service from an existing pole \$2,000 – \$2,700

Service from a new/upgrade pole-mounted transformer(s) \$3,500 – \$7,500

Service from an existing pad-mounted transformer\* \$2,000 – \$3,000

Service from a new/upgraded pad-mounted transformer \$12,000 – \$20,000

\*Please call 714.765.5156 for services larger than 800 Amps.

## TEMPORARY ELECTRICAL SERVICE

Temporary service is for customers who require short term service for construction purposes, structures that are not permanent construction, or can be classified as removable. For temporary service greater than 200 Amps, please contact us at 714.765.5156.

OVERHEAD SERVICE (Up to 200 Amps) \$1,100 – \$1,450

UNDERGROUND SERVICE (Up to 200 Amps) \$1,950 – \$2,300

## STREET LIGHTS

Street lights are required for developments along Anaheim roadways. In such cases, the costs are dependent upon the type of street light for the specific area. Plans need to be reviewed and approved by Anaheim Public Utilities, so please be sure to submit street light plans in advance. If you need assistance with types of street lights and typical layouts, please contact us at 714.765.5156.

## EASEMENT PROCESSING

A customer's project (typically on commercial properties) may require the placement of utility equipment, such as high voltage cable, a transformer, or a switch. A utility easement gives the City the right to use and access a specific area of a property for utility purposes and is important to minimize power outages. The area covered by the easement is clearly defined in the easement deed and is attached to the property so that it will remain even when the property is transferred or sold. In most cases, the commercial developer retains a licensed surveyor or civil engineer authorized to practice land surveying to prepare the legal description and sketch required for the utility easement. The following fee is for the subsequent processing and recording of the easement with the County of Orange. Electric Engineering staff will provide you with details and specifications for any easement. Please contact us with any questions at 714.765.5156.

Processing and recording of easements \$500

*The fees listed in this guide include utility labor (engineering, inspection and field crews), time, and materials only, and do not include Building permit fees, nor the cost of electricity.*

## ANAHEIM PUBLIC UTILITIES Electrical Engineering

Anaheim West Tower, 7th Floor

201 S. Anaheim Blvd., Anaheim

Hours: Monday – Friday from 8 a.m. - 5 p.m.

To get started on your project, please contact our Utility Inspector at 714.765.6847

For all other inquiries, please contact Electrical Engineering at 714.765.5156

