

## Mason PUD 3 Rough Estimates

### How much will it cost me to get power to my new house or property?

PUD 3's engineering staff is specially trained to design a safe, legal, and cost-effective plan to connect your new home or business to PUD 3's clean, reliable electric grid. Because there are so many variables, we do not give "rough estimates" for specific jobs. **All customers must submit an application for electrical service in order to receive a cost estimate.** The information in this flier should be considered informative estimates and are not to be treated as actual costs. All listed costs are subject to change.

#### Application Fees:\*

Residential Single Phase (most services):	\$200.00
Single Phase Development:	\$300.00
Three Phase Service:	\$500.00

*\*Keep in mind that your application fee will be credited to your engineering extension payment.*

Connecting to the electric grid can be very simple or quite challenging, depending on what's available and what you need. The complexity of a job, and the amount of equipment needed will determine costs.

Remodeling: If you are remodeling your home or adding a shop, you can likely connect to an existing transformer. In many cases, this will bring the cost to connect down considerably.

Building New: If you are building a new home, you may need to have a transformer installed to serve that house.

Keep in mind that transformers need to be located within about 150 feet of the home. The proximity of an undeveloped lot to PUD's facilities can affect the cost.

Developing Property: If you are developing property, you will have to pay to have the power lines extended to your new lot. Many new developments use underground power lines and will need to provide a trench that meets PUD 3 specifications. **PUD customers are responsible for all trenching required.**



Commercial Property: If you are requesting service for a commercial property, the loads and requirements can vary greatly depending on what you need and what sort of capacity is available.

## What else should I keep in mind before submitting my application?

### **Put Conduit in the Ditch for Fiber**

When installing underground facilities at your home or business and you have an open trench, consider installing an extra conduit for PUD 3 fiber optic lines, even if it is not currently available in your area. You can pick up micro-duct conduit for free (up to 500') at the PUD for these types of projects.

### **Outdoor LED Lights Provide Safety & Security**

PUD 3's Light Emitting Diode (LED) outdoor lighting program may provide the safety and security you're looking for in a low-cost, energy-efficient package. Consider installing a security light during your construction project to save time and money.

## Can I get general cost estimates?

In the pages following you can see some general rough costs for simple installations. Remember that these figures should only be used for information and not be considered actual cost. Each job will require an application to be submitted for an engineer's design before a true estimate can be completed.

**If you have further questions, contact Mason PUD 3's engineering department at 360-426-0888.**

*PUD 3's specifications can be found on its website or in the District's Service Rules & Regulations.  
[www.pud3.org](http://www.pud3.org)*



## Mason PUD 3 1ph Rough Estimates\*

SINGLE PHASE CONSTRUCTION	
<b>Single Phase (1ph) Overhead Primary Construction</b>	
Primary Pole/Framing ( <i>needed every 200'</i> )	\$2,000
Overhead Primary Wire	\$5.00/ft
Overhead Transformer	\$2,000
<b>Single Phase Overhead Secondary Construction **</b>	
Secondary Pole/Framing ( <i>needed every 80'</i> )	\$1,500
Overhead Secondary Wire	\$3.00/ft
<b>Single Phase (1ph) Underground Primary Construction</b>	
Primary Riser at Take-off Pole	\$1,500
Vault ( <i>needed approximately every 500'</i> )	\$2,600
Underground Primary Wire in Conduit	\$9.00/ft
Pad Mounted Transformer	\$10,800
<b>Overhead / Underground Construction Single Phase (1ph) Metering</b>	
Self-Contained Meter ( <i>customer supplies meter base up to 320 amp</i> )***	\$300-\$500
CT Metering ( <i>metering above 320 amp service</i> )****	\$1,600
Overhead Primary Metering	\$3,500
Pad Mounted Primary Metering	\$10,000
<b>System Capacity Fee – Single Phase (120/240 V)*****</b>	
100 A or less	\$700
101-200 A (most residential services)	\$1,700
320 A	\$2,700
400 A or greater	\$8/AMP
Upgrade from 100A to 200A	\$1,000
Upgrade from 200A to 320A	\$1,000

\* As a frame of reference, PUD 3 typically likes to see a transformer within 150'-200' of a build site.

\*\* In Mason PUD 3's territory, the underground secondary wire is installed, owned and maintained by the customer.

\*\*\* All self-contained commercial metering requires the customer to supply a meter base with "pin or link" type bypass capability.

\*\*\*\* The utility supplies and owns the meter base, the meter, and CT's. (See CT metering specifications for more details)

\*\*\*\*\* SYSTEM CAPACITY FEES ARE CALCULATED USING THE AMPACITY RATING OF THE METER BASE AND/OR SERVICE ENTRANCE RATING. THIS FEE REPRESENTS A CUSTOMER'S SHARE OF THE SUBSTATION'S CAPACITY AND IS DESIGNATED FOR THE CONSTRUCTION OF SUBSTATION INFRASTRUCTURE.

## Mason PUD 3 3ph Rough Estimates\*

THREE PHASE CONSTRUCTION	
<b>Three Phase (3ph) Overhead Primary Construction</b>	
Primary Pole/Framing	\$3,500
Overhead Primary Wire	\$15.00/ft
Overhead Transformer Bank	\$5,500 - \$10,000
<b>Three Phase Overhead Secondary Construction</b>	
Secondary Pole/Framing	\$800
Overhead Secondary Wire	\$4.00/ft
<b>Three Phase (3ph) Underground Primary Construction</b>	
Primary Riser at Take-off Pole	\$3,300
5x5 Vault ( <i>needed approximately every 500'</i> )	\$5,200
5x7 Vault ( <i>where more than a single tap is needed</i> )	\$9,300
Underground Primary Wire in Conduit	\$15.00 - \$50.00/ft
Pad Mounted Transformer ( <i>depending on voltage and setup needed</i> )	\$10,000 - \$40,000
<b>Overhead / Underground Construction Three Phase (3ph) Metering</b>	
Self-Contained Meter ( <i>customer supplies meter base up to 200 amp</i> )**	\$450
CT Metering ( <i>metering above 200 amp service</i> )***	\$2,500
Overhead Primary Metering	\$8,000
Pad Mounted Primary Metering	\$15,000
<b>System Capacity Fee – Three Phase****</b>	
120/208V Service	\$14/AMP
277/480V Service	\$34/AMP

\* Three-phase construction is more complex to rough estimate; however, the above figures are intended to give a general idea of cost.

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