

Thank you for your interest in service from Chelan PUD. As you might imagine, we have received numerous requests for information on service for bitcoin/cryptocurrency mining. Based on the general questions we have received; we hope the following is of use to you:

#### Q. What is the monthly electricity bill for cryptocurrency mining?

A. Cryptocurrency mining falls under Chelan PUD's rate schedule 36. Under this schedule there are three charges: a monthly basic charge, monthly peak demand charge and total energy charge. You can estimate your monthly bill by adding the basic charge from the below table to an estimated \$4,500/100kW of use.

So, if you need 200 kW, your monthly bill would be around \$9,135 (\$135 from below plus 2 x \$4,500/100kW). If you request to operate within city limits of any of our local municipalities, add 6% utility tax. Also, note that in June 2021 a new demand charge for operations in residential areas will be effective; this adds about \$1,000/100kW per month.

#### Monthly Basic Charges

Up to 300kW	\$135.00
300kW to < 1MW	\$575.00
1 MW to ≤ 3MW	\$885.00

#### Q. How much will connection cost?

A. Connection costs vary based on load size, whether the service is primary or secondary, and if any system improvements are required. Likely, the most significant charge will be the upfront capital charge which covers the substation and transmission infrastructure for your service.

#### Transmission & Distribution Upfront Capital Charges Per Kilowatt:

- Distribution & Transmission (Wenatchee corridor of Monitor, Olds Station, Wenatchee, Malaga) \$325/kW
- Distribution & Transmission (all other areas excluding north/west of Leavenworth) \$720/kW
- There is no excess system capacity and therefore no connections authorized north/west of Leavenworth (areas served by Berne, Coles Corner, Winton, Plain, Lake Wenatchee and Summit substations)

Thus, in addition to other charges discussed below, a 200kW connection in the Wenatchee area would cost \$65,000 plus tax, or in other authorized areas, \$144,000 plus tax.

Other charges may include line extensions or direct upgrades to supply your operation, service connection fees (transformer, meter, etc. based on required transformer size) and a security deposit of 2 times your estimated monthly bill.

**Q. Why is a contract required for over 3MWs?**

A. Rate 36 electric loads greater than 3MWs (3,000kW peak demand) require a power sales contract to address additional charges, special circumstances and conditions related to the electric service such as power transaction costs. These are in addition to the costs described above.

**Q. Can you tell me where to connect?**

A. The PUD does not track the availability of capacity at specific locations. Each request requires special engineering studies be conducted during the application process. Once you have a location in mind, the application is available at: [cryptocurrency-hdl-service-applications.pdf \(chelanpud.org\)](https://www.chelanpud.org/cryptocurrency-hdl-service-applications.pdf)

Once your application is received and deemed complete by the District, you will receive an invoice to pay Pre-design Fees as described below. Pre-design fees must be paid prior to the District proceeding with review. review.

Pre-design Fees

Up to <1000 kW	\$ 900
1000 kW to <5000 kW	\$ 1,350
5000 kW and above	\$ 2,000

Each application will be reviewed and if initial review is passed then engineering fees below must be paid to proceed in the engineering study process.

Engineering Fees

Up to 300 kW	\$ 450
300 kW - <1000 kW	\$2,000
1000 kW - <5000 kW	\$4,000
>5000 kW	Three transmission studies are required for loads greater than 5MW, the first study is estimated at \$10,000 with cost increasing for each subsequent,

more detailed study.

There are no areas within Chelan County with potential capacity of more than 5 MW. Any service over 5 MW would require construction of new substation facilities, a process taking at least 3 years.

### Q. How soon can I have power?

A. There are many factors that contribute to the length of time it may take the PUD to connect a new load or evaluate an expanded load, thus it could be a month to over a year and we will not know until application is complete with the necessary fees paid, and engineering studies begin (see previous question)

Some factors include:

- How much power do you need?
- How complete is your application?
- Are payments submitted?
- What is the available PUD energy system capacity?
- Is permitting complete?
- Does weather permit construction?

Completed applications are processed on a first come–first served basis, and generally only one application per substation can be processed at a time. Connection requests greater than 5MWs, or that affect more than 1 circuit, will likely require additional transmission studies to be performed that will increase evaluation times.

Applications that are not complete may be delayed until you have submitted all necessary information. Timeliness in your response will help staff process your request and avoid having your application put on hold or cancelled.

Following the engineering process, the estimated project cost will be provided for your consideration and is valid for 60-days. If you choose to proceed, payment of the construction estimate and other required fees (including upfront capital charges and security deposit) will move the project to scheduling for construction. Scheduling times are based upon availability of PUD construction resources. If you do not move forward within this window your application will be cancelled and the next customer in line will be evaluated.

### Q. Is it accurate to assume available capacity based upon the electric service facilities at the location I'm considering?

A. No. While an electrician can assist you with determining the rating of your location's electric panel and related infrastructure, the size or rating of existing

electric service facilities has no bearing on capacity availability. Engineering review must be done to determine availability on the infrastructure that connects your service to our substations. Per regulation, the District does not reserve capacity.

#### Q. What if I would like to grow in the future?

A. It is extremely important to include expansion plans in your initial service request to ensure that our engineers have the most accurate and complete information as possible when determining power availability and infrastructure design.

#### Q. What if I have other questions?

A. Please submit other questions through our power inquiry form at: [Power Inquiry Form \(chelanpud.org\)](https://www.chelanpud.org/power-inquiry-form). Questions will be addressed on a first come – first served basis.