

DEVELOPMENTAL SCHEDULE TES

THERMAL ENERGY STORAGE

APPLICABILITY

Applicable to electric service for load in a facility with a monthly maximum demand of 500kW per meter for which the customer installs and utilizes thermal energy storage equipment for air conditioning. Customers must execute an application with APU for service under this rate schedule. For a customer whose monthly maximum demand is between 200 kW and 500kW for a given meter, the customer must shift a minimum of 20 percent (20%) of the monthly maximum on-peak demand for a given meter to off-peak demand as a result of the installation and utilization of thermal energy storage equipment for air conditioning. If the customer fails to shift 20 percent (20%) of the monthly maximum on-peak demand for a given meter and/or exceeds 500 kW for a given meter for any three (3) months during the preceding 12 months, the customer will be ineligible for service under this rate schedule and the customer's account for that meter shall transfer immediately to the otherwise applicable tariff based on commercial energy usage.

This developmental rate will be closed once a permanent Thermal Energy Storage rate is developed.

RATE

| | | |
|--|----------------|----------------|
| | Per meter | Per meter |
| | <u>Summer</u> | <u>Winter</u> |
| Customer Charge | \$ 6.06 | \$ 6.06 |
| Demand Charge (to be added to Customer Charge) | Per kW | Per kW |
| | <u>Summer</u> | <u>Winter</u> |
| All on-peak billing demand | \$ 14.55 | not applicable |
| Plus all mid-peak billing demand | \$ 7.12 | \$ 7.42 |
| Plus all off-peak billing demand | not applicable | not applicable |
| Energy Charge (to be added to Demand Charge) | Per kWh | Per kWh |
| | <u>Summer</u> | <u>Winter</u> |
| All on-peak energy | 13.95¢ | not applicable |
| Plus all mid-peak energy | 7.88¢ | 7.88¢ |
| Plus all off-peak energy | 5.46¢ | 5.46¢ |

SPECIAL CONDITIONS

A. Adjustments, Fees and Taxes

The rates above are subject to adjustments as provided for in Schedule RSA. The applicable billing factor set forth therein will be applied to all kilowatt-hours billed under this rate schedule. The rates above are subject to the underground surcharge on the total electric charge. The rates above are subject to the collection of the state energy surcharge applied to all kilowatt-hours billed.

B. Voltage

Service voltage per rules and regulations.

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SPECIAL CONDITIONS (Continued)

C. Time periods are defined as follows:

Summer: May 1 at 12:01 am to October 31 at 12:00 midnight
On-peak: 1:00 pm to 7:00 pm weekdays
Mid-peak: 9:00 am to 1:00 pm weekdays
Off-peak: 7:00 pm to 9:00 am weekdays and all weekends

Winter: November 1 at 12:01 am to April 30 at 12:00 midnight
On-peak: Not applicable.
Mid-peak: 10:00 am to 5:00 pm weekdays.
Off-peak: 5:00 pm to 10:00 am winter weekdays and all weekends

Holidays are New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day.

When any holiday listed above falls on Sunday, the following Monday will be recognized as an off-peak period. No change in off-peak hours will be made for holidays falling on Saturday.

When in the sole opinion of APU, it is impractical to provide single phase service under this rate schedule, three phase service will be provided.

D. Determination of Monthly Usage

The customer must provide APU information from which APU can determine the level of kWh usage to be consumed and/or the level of service to be provided, such as a TES unit nameplate rating and the number of units to be installed. APU will place the customer in the appropriate usage tier and charge the customer the maximum value of that tier. APU retains the right to perform on-site inspections to verify the energy consumption of the TES unit(s).

E. Billing

A customer's bill is calculated according to the rates and conditions listed in this rate schedule. The customer is responsible, subject to APU audit, to report all additions or removals of TES units from the customer's facilities.

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SPECIAL CONDITIONS (Continued)

F. Billing Demand

The billing demand in any month shall be based on electric consumption indicated and recorded by instruments supplied, owned and maintained by APU upon the customer's premises. Separate billing demand shall be determined for the on-peak and mid-peak time periods. The billing demands for the on-peak and mid-peak time periods shall be the maximum rate of consumption of electric energy measured in any 15-minute interval during the monthly billing period. Billing demand shall be determined to the nearest kW.

G. Power Factor Adjustment

The charges will be adjusted each month for the power factor as follows. The charges will continue to be adjusted by 31 cents per kilovar of reactive demand. The kilovars of reactive demand shall be calculated by multiplying the kilowatts of measured maximum demand by the ratio of the kilovar-hours to kilowatt-hours. Demand in kilowatts and kilovars shall be determined to the nearest unit. A ratchet device shall be installed on the kilovar-hour meter to prevent its reversal operation on leading power factor.

H. Temporary Discontinuation of Service

Where the use of energy is seasonal or intermittent, no adjustment will be made for a temporary reduction of load. Any customer who resumes service within 12 months must pay all charges that would have been billed had the service been continuous.

I. Public Utilities General Manager

As with all developmental rates, the Public Utilities General Manager, at his or her sole discretion, may modify, restrict, or close this developmental rate schedule upon notification and approval of City Council.

J. Voltage Discount

The charges excluding the customer charge and Power Factor and Power Cost Adjustment/Rate Stabilization Account will be reduced by 3 percent (3%) for service delivered and metered at voltages from 2 or 10 kV; by 6 percent (6%) for service delivered and metered at voltages from 11KV to 50KV; customer equipment and metering per Department standards. Service at voltage levels above 50 KV will be by contract.