

## **SAMPLE**

### **TIME-OF-DAY MANUFACTURING SERVICE RATE--SCHEDULE TMSD**

#### Availability

This rate shall be available for the firm electric power requirements where:

(a) the higher of a customer's currently effective onpeak or offpeak contract demand is greater than 25,000 kW; provided, however, that for a customer requesting that its onpeak contract demand be different from its offpeak contract demand this schedule shall be available only for:

(1) a new contract,

(2) a replacement or renewal contract following expiration of the existing contract, or

(3) a replacement or renewal contract or an amended existing contract in which the customer is increasing its demand requirements above the existing contract demand level, but under this item (3) neither the new onpeak nor the new offpeak contract demand shall be lower than the customer's existing contract demand;

and

(b) the major use of electricity is for activities conducted at the delivery point serving that customer which are classified with a 2-digit Standard Industrial Classification Code between 20 and 39, inclusive, or classified with 2002 North American Industry Classification System (NAICS) code 5181, or 2007 NAICS codes 5182, 522320, and 541214; provided, however, customers qualifying for service under this schedule on the basis of such a NAICS code shall have an average monthly load factor of at least 80 percent during the preceding 12 months; provided further, however, that for the first 12 months of service to a new customer this load factor requirement shall be based on the customer's expected load factor for those 12 months as projected before the customer begins taking service. As used in the previous sentence "monthly load factor" shall mean a percentage calculated by dividing the total metered energy for a month by the product of the metered demand for that month and the number of clock hours in that month, exclusive of any hours during which power was unavailable due to an interruption or curtailment of the customer's service and of any hours in which the customer was unable to use power due to a Force Majeure event reasonably beyond the customer's control.

Prior to initially taking any service under this schedule, and from time to time thereafter as may be required by Distributor or the Tennessee Valley Authority (TVA), a customer shall certify to both Distributor and TVA that it meets the requirements set forth in condition (b) above. The certification form to be used shall be (i) furnished or approved by TVA, (ii) provided by Distributor to the customer, and (iii) signed and promptly returned by the customer to Distributor. Further, such customer shall promptly certify any change in the status of any of the information contained in the certification form to Distributor.

Service during any period for which a customer does not meet the eligibility requirements set forth in condition (b) above will be made available by Distributor under, and billed in accordance with, the applicable Time-of-Day General Power schedule.

## Character of Service

Alternating current, single- or three-phase, 60 hertz. Power shall be delivered at a transmission voltage of 161 kV or, if such transmission voltage is not available, at the highest voltage available in the vicinity, unless at the customer's request a lower standard voltage is agreed upon.

## Base Charges

Customer Charge:	\$1,500 per delivery point per month
Demand Charge:	<p>\$10.77 per kW per month of the customer's onpeak billing demand, plus</p> <p>\$1.62 per month for each kW, if any, of the amount by which the customer's offpeak billing demand exceeds its onpeak billing demand, plus an additional</p> <p>\$10.77 per kW per month for each kW, if any, of the amount by which (1) the customer's onpeak billing demand exceeds its onpeak contract demand or (2) the customer's offpeak billing demand exceeds its offpeak contract demand, whichever is higher</p>
Energy Charge:	<p>2.000¢ per kWh per month for all onpeak kWh</p> <p>1.867¢ per kWh per month for all offpeak kWh</p>

## Adjustment

The base demand and energy charges shall be increased or decreased in accordance with the current Adjustment Addendum published by TVA. (In addition, such charges shall be increased or decreased to correspond to increases or decreases determined by TVA under Adjustment 2 or Adjustment 4 of the wholesale power rate schedule applicable under contractual arrangements between TVA and Distributor.)

## Facilities Rental Charge

There shall be no facilities rental charge under this rate schedule for delivery at bulk transmission voltage levels of 161 kV or higher. For delivery at less than 161 kV, there shall be added to the customer's bill a facilities rental charge. This charge shall be 36¢ per kW per month except for delivery at voltages below 46 kV, in which case the charge shall be 93¢ per kW per month for the first 10,000 kW and 73¢ per kW per month for the excess over 10,000 kW. Such charge shall be applied to the highest of (1) the highest onpeak or offpeak billing demand established during the latest 12-consecutive-month period, (2) the customer's currently effective onpeak contract demand, or (3) the customer's currently effective offpeak contract demand and shall be in addition to all other charges under this rate schedule, including minimum bill charges.

## Reactive Demand Charges

If the reactive demand (in kVAR) is lagging during the 30-consecutive-minute period beginning or ending on a clock hour of the month in which the customer's highest metered demand occurs, there shall be added to the customer's bill a reactive charge of \$1.46 per kVAR of the amount, if any, by which the reactive demand exceeds 33 percent of such metered demand. If the reactive demand (in kVAR) is leading during the 30-consecutive-minute period beginning or ending on a clock hour of the month in

which the customer's lowest metered demand (excluding any metered demands which are less than 25 percent of the highest metered demand) occurs, there shall be added to the customer's bill a reactive charge of \$1.14 per kVAR of the amount of reactive demand. Such charges shall be in addition to all other charges under this rate schedule, including minimum bill charges.

### Determination of Onpeak and Offpeak Hours

Except for Saturdays and Sundays and the weekdays that are observed as Federal holidays for New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, onpeak hours for each day shall be 10 a.m. to 10 p.m. during calendar months of May through September and from 6 a.m. to 12 noon and from 4 p.m. to 10 p.m. during all other calendar months. All other hours of each day and all hours of such excepted days shall be offpeak hours. Such times shall be Central Standard Time or Central Daylight Time, whichever is then in effect. The onpeak and offpeak hours under this rate schedule are subject to change by TVA. In the event TVA determines that such changed onpeak and offpeak hours are appropriate, it shall so notify Distributor at least 12 months prior to the effective date of such changed hours, and Distributor shall promptly notify customer.

### Determination of Onpeak and Offpeak Demands and Energy Amounts

The onpeak and offpeak kWh for any month shall be the energy amounts taken during the respective hours of the month designated under this rate schedule as onpeak and offpeak hours.

Distributor shall meter the onpeak and offpeak demands in kW of all customers taking service under this rate schedule. The onpeak metered demand and offpeak metered demand for any month shall be determined separately for the respective hours of the month designated under this rate schedule as onpeak and offpeak hours and in each case shall be the highest average during any 30-consecutive-minute period beginning or ending on a clock hour of the month of the load metered in kW, and, except as provided below in this section, such amounts shall be used as the onpeak and offpeak billing demands. The onpeak billing demand shall in no case be less than the sum of (1) 30 percent of the first 5,000 kW, (2) 40 percent of the next 20,000 kW, (3) 50 percent of the next 25,000 kW, (4) 60 percent of the next 50,000 kW, (5) 70 percent of the next 100,000 kW, (6) 80 percent of the next 150,000 kW, and (7) 85 percent of all kW in excess of 350,000 kW of the higher of the currently effective onpeak contract demand or the highest onpeak billing demand established during the preceding 12 months. The offpeak billing demand shall in no case be less than the sum of (1) 30 percent of the first 5,000 kW, (2) 40 percent of the next 20,000 kW, (3) 50 percent of the next 25,000 kW, (4) 60 percent of the next 50,000 kW, (5) 70 percent of the next 100,000 kW, (6) 80 percent of the next 150,000 kW, and (7) 85 percent of all kW in excess of 350,000 kW of the higher of the currently effective offpeak contract demand or the highest offpeak billing demand established during the preceding 12 months.

### Minimum Bill

The monthly bill, excluding any facilities rental charges and any reactive charges, shall not be less than the sum of (1) the base customer charge, (2) the portion of the base demand charge, as adjusted, applicable to onpeak billing demand applied to the customer's onpeak billing demand, (3) the portion of the base demand charge, as adjusted, applicable to any excess of offpeak over onpeak billing demand applied to the amount, if any, by which the customer's offpeak billing demand exceeds its onpeak billing demand, (4) the base onpeak energy charge, as adjusted, applied to the customer's onpeak energy takings, and (5) the base offpeak energy charge, as adjusted, applied to the customer's offpeak energy takings.

Distributor may require minimum bills higher than those stated above.

## Contract Requirement

Distributor shall require contracts for all service provided under this rate schedule. The contract shall be for an initial term of at least 5 years and any renewals or extensions of the initial contract shall be for a term of at least 5 years; after 10 years of service, any such contract for the renewal or extension of service may provide for termination upon not less than 16 months' notice. The customer shall contract for its maximum requirements, which shall not exceed the amount of power capable of being used by customer, and Distributor shall not be obligated to supply power in greater amount at any time than the customer's currently effective contract demand. If the customer uses any power other than that supplied by Distributor under this rate schedule, the contract may include other special provisions. The rate schedule in any power contract shall be subject to adjustment, modification, change, or replacement from time to time as provided under the power contract between Distributor and TVA.

After having received service for at least 1 year under this rate schedule, the customer, subject to appropriate amendments in its power contract with Distributor, may receive service under the Manufacturing Service Rate--Schedule MSD. In such case the term of the power contract shall remain the same and the contract demand for service under the Manufacturing Service Rate--Schedule MSD shall not be less than the onpeak contract demand in effect when service was taken under this rate schedule.

## Payment

Bills under this rate schedule will be rendered monthly. Any amount of bill unpaid after due date specified on bill may be subject to additional charges under Distributor's standard policy.

## Single-Point Delivery

The charges under this rate schedule are based upon the supply of service through a single delivery and metering point, and at a single voltage. If service is supplied to the same customer through more than one point of delivery or at different voltages, the supply of service at each delivery and metering point and at each different voltage shall be separately metered and billed.

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Service is subject to Rules and Regulations of Distributor.