

**Tariff for Retail Delivery Service  
Oncor Electric Delivery Company LLC**

**Chapter 5: Service Rules & Regulations (Retail Customers)**

Applicable: Entire Certified Service Area

Effective Date: July 15, 2006

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**5.5.2 INTERMITTENT ELECTRICAL LOADS AND LIMITATIONS ON ADVERSE EFFECTS**

Retail Customer shall not, without Company's consent, connect or operate equipment that produces voltage fluctuations, interference or distorted wave forms that adversely affect Delivery Service to other Retail Customers or that may be detrimental to the Delivery System. Such equipment includes, but is not limited to, spot and arc welding machines, X-ray machines, arc-furnaces, variable speed drives, elevators, dredges, locomotives, shovels, feed grinders, etc. Retail Customer contemplating the installation of such equipment must make specific prior arrangements through Competitive Retailer, or if directed by Competitive Retailer, with the Company directly. As part of such arrangements, Company may require the installation on Retail Customer's side of the Meter, of suitable apparatus, including additional transformer capacity or other equipment designed specifically to reasonably limit such adverse effect. Any such equipment provided by Company on the Delivery System (which may or may not be dedicated solely to such Retail Customer) to correct such adverse effects shall be treated as a Discretionary Service that is subject to the applicable Rate Schedule contained in Section 6.1, RATE SCHEDULES.

Company shall comply with the procedures described in P.U.C. SUBST. R. 25.51, Power Quality.

Where intermittent electrical loads or load control devices are a part of Retail Customer's installation, Company may determine through a methodology approved by the Commission, the billing Demand associated with the Retail Customer's Premises on the basis of a time interval which is shorter than that specified in Company's Rate Schedule under which Retail Customer is receiving Delivery Service.

**5.5.3 EQUIPMENT SENSITIVE TO VOLTAGE AND WAVE FORMS**

Retail Customers planning the installation of electric equipment such as computers, communication equipment, electronic control devices, motors etc., the performance of which may be adversely affected by voltage fluctuations, distorted 60 hertz wave forms, or single phase events, are responsible for providing and installing the necessary facilities, including protective equipment, to limit these adverse effects.

**5.5.4 CHANGE IN RETAIL CUSTOMER'S ELECTRICAL LOAD**

Retail Customer, or Competitive Retailer at the request of Retail Customer, shall notify Company when Retail Customer's Electrical Load or contracted Demand is to be changed substantially so that Company may ensure its facilities are adequate. In the event Retail Customer adds electrical load at Retail Customer's installation that results in the use of Delivery Service in excess of the maximum capacity of the Delivery System facilities serving Retail Customer, Retail Customer is subject to liability pursuant to Section 5.2, LIMITS ON LIABILITY for any damage to Company's facilities resulting from the use of Delivery Service in excess of such maximum.

**5.5.5 POWER FACTOR**

If the Power Factor of Retail Customer's load is found to be less than 95% lagging as measured at the Meter, Company may require Retail Customer to arrange for the installation of appropriate equipment on Retail Customer's side of the Meter necessary to correct Retail Customer's Power Factor between unity and 95% lagging as measured at Meter, or, if Retail Customer fails to correct its Power Factor consistent with this standard, the demand associated with Retail

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Customer's use of Delivery Service, as determined in the appropriate Rate Schedules in Section 6.1 RATE SCHEDULES, may be increased according to the following formulas:

(1) Calculation of Power Factor Adjusted NCP kW.

The NCP kW applicable under the Monthly Rate section shall be modified by the following formula:

Power Factor Adjusted Monthly NCP kW=(Actual Monthly NCP kW x 0.95)/Current Month Power Factor

(2) Calculation of Power Factor Adjusted 4-CP kW.

Each of the Retail Customer's monthly coincident peak kW demands used to calculate the Retail Customer's average 4 CP kW demand applicable under the Monthly Rate section shall be calculated using the following formula:

Power Factor Adjusted Monthly CP kW =(Actual Monthly CP kW demand at the time of the ERCOT peak x 0.95)/Monthly Power Factor

Power Factor Adjusted 4-CP kW=average of the Retail Customer's Monthly CP kW as adjusted for power factor if applicable.

(3) Power Factor Adjusted Monthly NCP kW demands will be used in determining the Billing kW under the applicable tariff schedule.

If Company has a different power factor billing adjustment it shall conform to these calculations upon its next general rate case.

Should a Retail Customer's Power Factor deviate from the standard described above to the point that it is causing Delivery System problems for other Retail Customers, and the Retail Customer fails to correct the problem after sufficient notice, Company may install the necessary equipment on the Delivery System to correct the problem to the standard described above, and the Retail Customer shall be required to reimburse Company for the cost.

### 5.5.6 TESTING OF RETAIL CUSTOMER EQUIPMENT

In situations where historical Demand requirements will be exceeded due to properly noticed and Company approved scheduled equipment testing, Company will ignore for Billing Demand ratchet purposes the test period demands. Approval of the equipment testing schedule including date and time, shall be at Company's discretion, but shall not be unreasonably withheld, provided Retail Customer or Competitive Retailer contacts Company at least ten days in advance of the equipment testing. In no event shall Company approved testing occur between the hours of 12 noon and 8:00 PM during the weekdays of the months of June, July, August, and September. Charges for electric usage (kWh and kW) during the test period, may be billed to the Competitive Retailer. Increased demand for the testing period shall not affect the customer's demand for billing ratchet purposes. Charges for reading and resetting the Meter, if required, shall be as calculated and shall be billed to Competitive Retailer.

## 5.6 LIMITATIONS ON USE OF DISTRIBUTION SERVICE

### 5.6.1 INTRASTATE RETAIL DELIVERY SERVICE LIMITATIONS (FOR ERCOT UTILITIES)

Company will not provide Delivery Service to Retail Customer where any part of Retail Customer's Electrical Installation is located outside the State of Texas or is connected directly or