# EL PASO ELECTRIC COMPANY SECOND RULE NO. 2 CANCELLING FIRST REVISED RULE NO. 2

#### **DESCRIPTION OF SERVICE**



Page 1 of 3

Service Facilities Available:

The customer should consult with the Company to determine the exact type of service which will be supplied at the premises to be served before purchasing any equipment or proceeding with the wiring of the project. Attention to this detail may avoid the purchase of equipment for which service is not available.

EXISTING EQUIPMENT MOVED TO OTHER PREMISES WITH A DIFFERENT TYPE OF SERVICE MUST COMPLY WITH THE PREVAILING REQUIREMENTS OF THE COMPANY BEFORE BEING CONNECTED IN A NEW LOCATION.

Alternating Current Frequency:

The alternating current service supplied by the Company has a nominal frequency of 60 hertz.

Types of Services:

The following types of services are generally available in listed areas to customers served under the Company's standard rate schedules.

120/240-Volt Single-Phase 3-Wire Service

This type of service is generally available throughout the Company's service area except in the downtown underground district in Las Cruces and certain other areas. This service is suitable for 240-volt single-phase motor loads and 120-volt lighting service.

240 or 480-Volt Single-Phase 2-Wire Service

These types of service are generally available throughout the Company's service area for City owned and Company owned street lighting for state, city, or county use only.

120/208-Volt 3-Phase 4-Wire "Delta" Service

This type of service is primarily for power service. Since it is usually necessary to extend the distribution line and/or install transformation to provide this type of service, the customer must consult with the Consumer Affairs Section as to its availability.

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Advice Notice No.

Signature/Title

221

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## X X

#### **DESCRIPTION OF SERVICE**

Page 2 of 3

This type of service is available under certain conditions for large residential refrigerated air conditioning or space heating loads.

Consumer Affairs Section shall be consulted to determine if 3-phase residential service is available.

120/208-Volt 3-Phase 4-Wire "Y" Service:

This type of service is available in the downtown and other underground commercial areas of Las Cruces and other installations upon request and approval. The customer must ensure that all equipment is manufactured to operate at 208 volts. The Company is not liable for voltage problems that occur with 230 volt-rated equipment being served 208 volts. This is suitable for 208 volts, 3-phase motor loads and for 120-volt lighting service. (This will necessitate the selection of motors or heating equipment which is specifically designed for operation at this specified voltage.

Service in the Las Cruces downtown underground network area is normally of this type and all revised services in this area shall be for 3 phase, 4 wire, 120/208 volts, except as specifically negotiated with the Company.

480-Volt or 277/480-Volt Transformer Connections to a Customer Requiring 480-Volt 3-Phase 3-Wire Service

This service is for 3-phase loads only (i.e., irrigation pumps, water, wells, etc.) where customer requires 480-volt 3-phase 3-wire service for 3-phase loads and does not require a current carrying neutral conductor for single-phase loads.

The Company will not allow a customer to round "one corner" of 480-volt service because of Company transformer secondary connections. The customer must bring out an equipment ground to the point of service which will be tied to the Company's system neutral as per Company requirements and or applicable state and national electrical code. For equipment grounding conductor size, refer to current national electrical code. All 120 and 240-volt equipment and lighting must be supplied by means of two winding transformers installed, owned and maintained by the Customer.

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### X X

#### **DESCRIPTION OF SERVICE**

Page 3 of 3

277/480-Volt 3-Phase 4-Wire "Y" Service

This type of service is available to serve approved loads upon special application to the Company. It is suitable for large nonresidential loads. 120 and 240-volt equipment and lighting must be supplied by means if two winding transformers, installed, owned and maintained by the customer.

(Single-phase 277/480-volt service is not available.)

Transmission and/or Primary Voltage Service

Primary voltage service can be made available for approved loads upon special application to the Company. The Supply of such service usually requires the construction of a transformer vault or one or more transformer substations and special metering installations on the customer's premises. The details of such construction and type of service are subject to special negotiations between the Company and the customer and such details shall be secured by the customer in writing from the Company. Special consideration must be given to supplying transmission voltage service.

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