

PROTECTION EQUIPMENT FOR SERVICES TO POWER STATIONS

A. GENERAL

Protection Equipment for Services to Power Stations is equipment furnished customers to protect Company services extending to electric power generating and distributing locations from high voltage hazards experienced when ground potentials rise due to faults in the electric power system.

B. TERMS AND CONDITIONS

1. Responsibility of the Customer

- a. The customer shall be responsible for conditioning the environment to eliminate hazardous voltage due to ground potential rises.
- b. The customer shall be responsible for furnishing, upon request, the technical data needed by the Company to determine the degree of protection required.
- c. The customer shall be responsible for notifying the Company if technical data regarding a power station changes to the extent that the degree of protection required will change.

2. Determination of Protection Required

The Company shall determine the proper levels of protection to isolate or neutralize the electrical hazard.

3. Provision of Equipment

The equipment required to isolate or neutralize the electrical hazard shall be provided by the Company, except that the customer may elect to furnish the equipment required to neutralize electrical hazards subject to the approval by the Company of the proper levels of protection and the equipment provided by the customer. At a given location all equipment required to neutralize electrical hazards must be provided by either the Company or the customer.

C. RATES

1. Neutralizing Transformers*, suitable for exchange and Channel Services requiring direct current transmission

a. Single Channel Units	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
(1) Up to 4000 volts, steady state voltage, interior or exterior mounted units, each	\$150.00	\$19.25	PJX

- * No longer offered. The associated rates and charges apply only to existing installations of this equipment at the same location.

PROTECTION EQUIPMENT FOR SERVICES TO POWER STATIONS

C. RATES (Cont'd)

1. Neutralizing Transformers*, suitable for exchange and Channel Services requiring direct current transmission (Cont'd)

Single Channel Units (Cont'd)

- (2) Up to 8000 volts, steady state voltage, exterior mounted units only, each 305.00 46.50 PL7

- (3) Neutralizing transformers which provide protection over 8000 volts steady state voltage, will be provided in single channel units as specified for Special Equipment and Service Arrangements in this Company's General Regulations Tariff and this Product Guide.

b. Multiple Channel Units

Neutralizing transformers will be provided in multichannel units as specified for Special Equipment and Service Arrangements in this Company's General Regulations Tariff and Part A of this Product Guide.

2. Isolating Transformers, suitable for Channel Services requiring alternating current transmission

	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
Single Channel Units, up to 20,000 volts, steady state voltage, interior mounted units only, each	\$ 73.00	\$ 8.50	PKX

3. Equipment for up to 18,000 Root-mean-square Volts Protection

a. Card Mounting Shelf

Two-card type	500.00	34.00	HVQ12
Eight-card type	500.00	51.00	HVQ18

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RATES (Cont'd)

3. Equipment for up to 18,000 Root-mean-square
Volts Protection (Cont'd)

b. Power Supply, each

	<u>Installation Charge</u>	<u>Per Month</u>
24-Volts Direct Current Supply, with battery backup, requires 115 volts alternating current local power	-	\$11.00
24-Volts Direct Current Supply, operates from 130 volts direct current station battery	-	11.50
48-Volts Direct Current Supply, requires 115 volts alternating current local power	-	10.00

c. Plug In Isolator Cards, each

Universal Telephone Card, suitable for loop start voice telephone service	-	21.50
Alternating Current Card, suitable for exchange or Channel Services requiring alternating current transmission only	-	11.50
Private Branch Exchange (PBX) Trunk Card, suitable for voice telephone service, automatic or manual PBX, loop or ground start and battery polarity reversals	-	25.50
Direct Current Trip/Pilot Wire Card, suitable for use with direct current trip system or pilot wire system	-	27.00
Coin Card, suitable for Pay Telephone Lines	-	54.00

PROTECTION EQUIPMENT FOR SERVICES TO POWER STATIONS

C. RATES (Cont'd)

3. Equipment for up to 18,000 Root-mean-square
Volts Protection (Cont'd)

c. Plug In Isolator Cards, each (Cont'd)

	<u>Installation Charge</u>	<u>Per Month</u>	<u>USOC</u>
Off-premises Extension Card, suitable for off-premises extension of PBX station lines.....	-	\$30.00	HV61E
T Carrier Card, suitable for Service At a Transmission Speed of 1,544 Megabits Per Second	-	24.00	HV61M
d. 15,000 Volts Lightning Arrestor.....	-	9.50	HAV

4. Mutual Drainage Reactors, suitable for
exchange or Channel Services requiring
direct or alternating current transmission,
where provided at either the customer
location, Company central office or
intermediate location, interior mounted
units only, each.....

\$38.00 6.35 PU8

5. Channels furnished for remote grounding are provided at the rates and
charges specified for Series 1000, type 1001, Channels, in this Company's
Channel Services Product Guide.