



Overhead High Voltage

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Applicable to

- persons operating covered equipment that could come within **10 feet** (3.1 meters) of overhead high voltage lines in excess of 600 volts

Warning Signs

Appearance

- Weather-resistant
- Not less than five inches by seven inches
- Yellow background with black lettering
- Reads “WARNING – UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN 10 FEET OF OVERHEAD HIGH VOLTAGE LINES”

Placement

- Within equipment
 - Readily visible and legible when operator at controls
- Outside of equipment
 - Readily visible
 - Legible at 12 feet to other workers

Prohibited Activities

- Work that requires any person or equipment to be placed within **10 feet** (3.1 meters) of any line

If You Need to Work Closer than 10 Feet to Lines

Procedure

- Promptly notify owner or operator of high voltage line on working day
 - *Note:* See Notice Requirements below
- Negotiate arrangements
 - Consider owner's or operator's service needs
 - Consider protecting the public from danger of lines
- Line owner or operator has *five working days* from date of request to initiate agreed upon safety arrangements

Arrangements May Include

- Placement of temporary mechanical barriers between equipment and lines
- Temporary de-energization and grounding
- Temporary relocation or raising of the lines
- Other such measures owner or operator of the lines finds appropriate

**Temporary Safety Arrangements must be completed prior to starting work.*

Notification Requirements

- Name of individual serving notice
- Location or address of tract or parcel of land
- Name, address, and work day telephone number of person responsible
- Field telephone number at site, if available
- Type and extent of proposed work
- Name for whom proposed work is being performed
- Time and date of notice
- Date work is scheduled to commence and date work is to be completed

**If delay in starting work is encountered after arrangements made, new notice required.*

Caution: Violators can be fined and possibly required to indemnify power line owners against all claims and costs arising from work violating the law

General Requirements - Clearances in Power Transmission and Distribution

- Approved insulating handle required to approach or take any conductive object to exposed energized parts *if closer than* minimum working distances (see table below)
- Exceptions:
 - Employee insulated or guarded from energized part
 - Energized part insulated or guarded from employee or object at different potential
 - Employee isolated, insulated, or guarded from any other exposed conductive object(s)

ALTERNATING CURRENT - MINIMUM DISTANCES

Voltage range (phase to phase) (kilovolt)	Minimum working and clear hot stick distance
2.1 to 15	2 ft. 0 in.
15.1 to 35	2 ft. 4 in.
35.1 to 46	2 ft. 6 in.
46.1 to 72.5	3 ft. 0 in.
72.6 to 121	3 ft. 4 in.
138 to 145	3 ft. 6 in.
161 to 169	3 ft. 8 in.
230 to 242	5 ft. 0 in.
345 to 362	(1)7 ft. 0 in.
500 to 552	(1)11 ft. 0 in.
700 to 765	(1)15 ft. 0 in.

Footnote(1) NOTE: For 345-362 kv., 500-552 kv., and 700-765 kv., minimum clear hot stick distance may be reduced provided that such distances are not less than the shortest distance between the energized part and the grounded surface

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