

# Actsafes Safety Bulletin #23a

## WORKING WITH LIGHTING SYSTEMS AND OTHER ELECTRICAL EQUIPMENT - ADDENDUM A



**AVOID POWER LINES.** This includes, but is not limited to, the placement of equipment such as ladders, scaffold, booms, forklifts, aerial lifts, sets, cranes or other rigging. At a minimum, the following overhead clearances must be observed. (These clearances are drawn from the California Code of Regulation, Title 8, Section 2946, and are sufficiently stringent to meet the requirements of British Columbia's Occupational Health and Safety Regulation):

The operation, erection, handling or transportation of tools, machinery, materials, structures, scaffolds, or any other activity where any parts of the above or any part of an employee's body will come closer than the minimum clearances from energized overhead lines as set forth in Table 1 shall be prohibited.

**Table 1  
General Clearances Required from Energized Overhead High Voltage Conductors**

| Nominal Voltage (Phase to Phase) | Minimum Required Clearance (Feet) |
|----------------------------------|-----------------------------------|
| 600.....50,000                   | 6                                 |
| over 50,000.....345,000          | 10                                |
| over 345,000.....750,000         | 16                                |
| over 750,000.....1,000,000       | 20                                |

Boom-type lifting or hoisting equipment. The erection, operation, or dismantling of any boom-type lifting or hoisting equipment, or any part thereof, closer than the minimum clearances from energized overhead high-voltage lines set forth in Table 2 shall be prohibited.

**Table 2  
Boom-type Lifting or Hoisting Equipment Clearances Required from Energized Overhead High Voltage Conductors.**

| Nominal Voltage (Phase to Phase) | Minimum Required Clearance (Feet) |
|----------------------------------|-----------------------------------|
| 600.....50,000                   | 10                                |
| over 50,000.....75,000           | 11                                |
| over 75,000.....125,000          | 13                                |
| over 125,000.....175,000         | 15                                |
| over 175,000.....250,000         | 17                                |
| over 250,000.....370,000         | 21                                |
| over 370,000.....550,000         | 27                                |
| over 550,000.....1,000,000       | 42                                |