

# INDUSTRY WIDE LABOR-MANAGEMENT SAFETY COMMITTEE

## SAFETY BULLETIN #23

### GUIDELINES FOR WORKING WITH LIGHTING SYSTEMS AND OTHER ELECTRICAL EQUIPMENT

#### "ADDENDUM A" – POWER LINE DISTANCE REQUIREMENTS

**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 (California Code of Regulation, Title 8, Section 2946):

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**

<b>Nominal Voltage (Phase to Phase)</b>	<b>Minimum Required Clearance (Feet)</b>
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**

<b>Nominal Voltage (Phase to Phase)</b>	<b>Minimum Required Clearance (Feet)</b>
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