

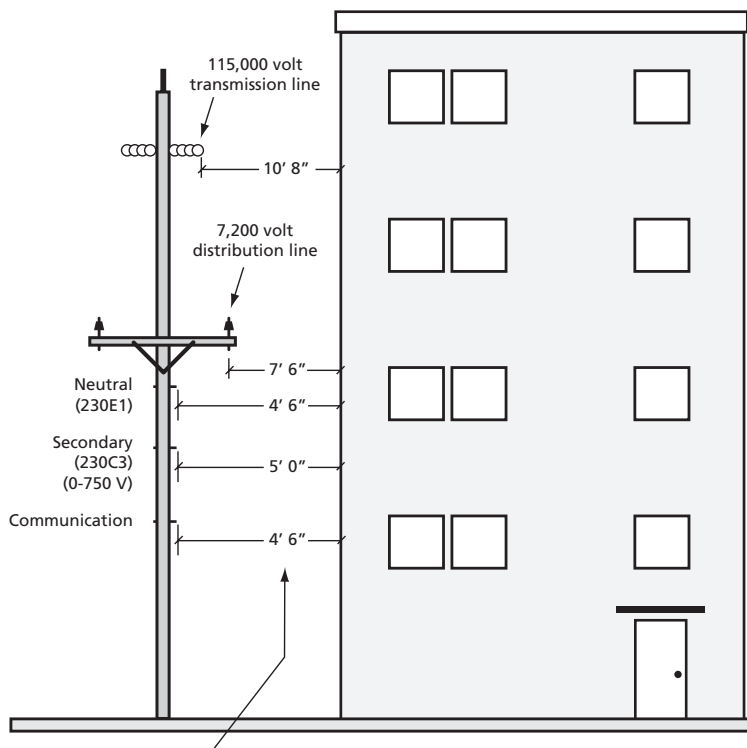
# Save lives. Save money. Save hassles.

*Powerful reasons for developers and builders to respect power line clearances.*

Before building anywhere near power lines, call Portland General Electric. We can provide information about code requirements and offer other technical assistance to make sure your project meets National Electric Safety Code (NESC) compliance. **During construction you must maintain a working clearance of 10 feet or more – depending on voltage – from any power lines. This is required by state law.**



PGE would like to help you avoid expensive fines, costly downtime and wasted dollars by making sure you are in compliance with power line clearance codes. Before you build we urge you to familiarize yourself with the NESC standards for minimum safe distances between overhead power lines and structures. Safe distances vary depending on line voltage, type and purpose of structure, along with other circumstances.



*Per NESC Table 234-1, the horizontal clearance between the phase conductor of a 12,470/7,200 volt, 3-phase, 4-wire distribution line and a building (without wind) must be not less than 7' 0".*

*The neutral (230E1) and communication cable horizontal clearance (without wind) must be not less than 4' 6". The secondary (230C3) horizontal clearance (without wind) must be not less than 5' 0".*

The illustration to the left and the table on the back of this sheet shows the required clearance from wires, conductors, and cables. Please be aware of these clearances and call PGE for help before you build. You can reach **PGE Service Coordination** at **503-736-5450** in the Portland area or **503-463-4348** in the Salem area.

By following the safety guidelines outlined by the NESC you can:

- **Reduce accidents**
- **Avoid fines** or rebuilding charges resulting from NESC code violations
- **Prevent costly line rearrangement** (This cost is normally the responsibility of the builder or owner!)
- **Lessen down time** on your project

*continued on back*

## Clearance of wires, conductors and cables

adjacent but not attached to buildings and other installations (except bridges)

Clearance for	Guys, messengers effectively grounded neutrals associated with circuits of less than 22kv to ground	Triplex cables of 0 to 750V when supported on and cabled together with an effective grounded bare messenger. Open supply line conductors 0 to 750 volts	Primary conductors of 750 volts to 22kv to ground	57,000 volts	115,000 volts
<b>Buildings</b> (horizontal clearance) <i>To walls and projections; unguarded windows; balconies; areas accessible to pedestrians</i>	4' 6"	5' 6"	7' 6"	9' 3"	10' 8"
<b>Buildings</b> (vertical clearance) <i>Over and under roofs or projections not accessible to pedestrians</i>	3'	10' 6"	12' 6"	14' 9"	16' 2"
<i>Over or under balconies and roofs accessible to pedestrians; over roofs accessible to cars only</i>	10' 6"	11' 6"	13' 6"	15' 9"	17' 2"
<i>Over roofs accessible to trucks</i>	15' 6"	16' 6"	18' 6"	20' 9"	22' 2"
<b>Installations</b> (horizontal clearance) <i>Signs; billboards; chimneys; radio and TV antennas; tanks; and other installations except bridges</i>	3'	5' 6"	7' 6"	9' 3"	10' 8"
<b>Installations</b> (vertical over or under clearance) <i>Signs; billboards; chimneys; radio and TV antennas; tanks; and other installations except bridges</i>	3'	6'	8'	10' 3"	11' 8"

**>> NEVER ATTEMPT TO TAKE THESE MEASUREMENTS YOURSELF! <<**

Notes: 1. The clearances shown above are not working clearances. A minimum working clearance of 10 feet is required by state law for non-utility workers.  
2. For additional information, consult Oregon's Overhead Line Safety Act. (Oregon Revised Statute 757.800 and 757.805).

## You must maintain a working clearance of 10 feet, required by State Law for non-utility workers.

### Contact PGE today

For assistance, call **PGE Service Coordination** at **503-736-5450** in the Portland area or **503-463-4348** in the Salem area.

