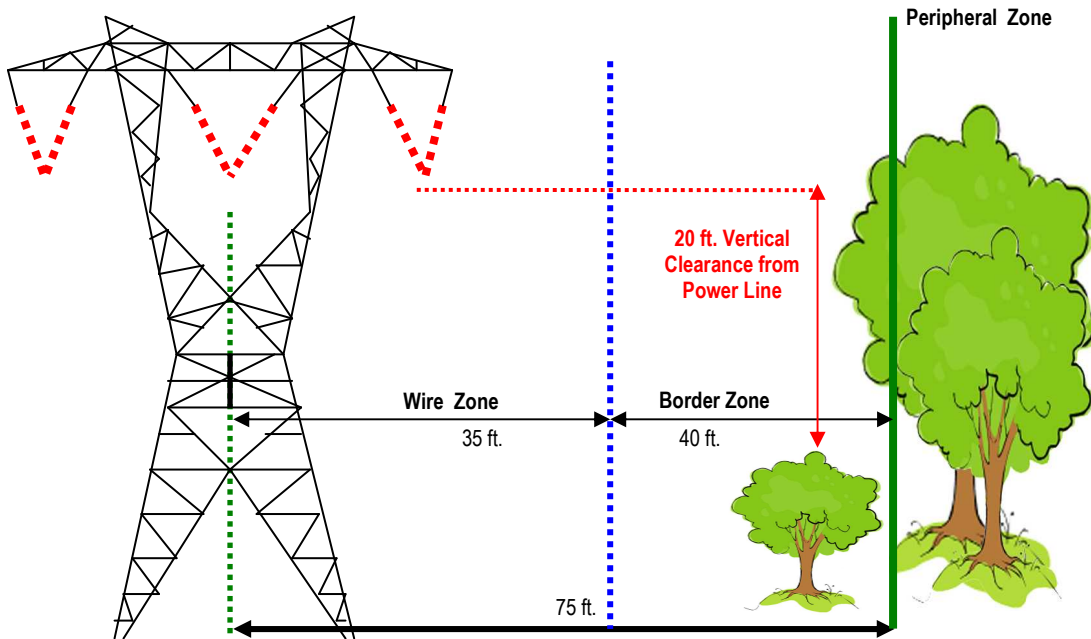


## DUKE ENERGY VEGETATION MANAGEMENT GUIDELINES FOR BULK TRANSMISSION LINE CLEARANCE IN OHIO, KENTUCKY AND INDIANA



*(Note: Easement widths may vary)*

### Transmission Right-of-Way Zones<sup>1</sup>

**Wire Zone** – Zones extend between the outermost conductors in horizontal line construction and ten feet (10') beyond the nearest conductor in vertical line construction. In most instances, the Wire Zone is approximately 35-40 feet from the center line on both sides of the transmission tower.

**Border Zone** – Zones extend from the edge of the Wire Zone to the outside edge of the right-of-way. Border Zones are located on both sides of the rights-of-way and are generally 35-40 feet wide.

**Peripheral Zone** – Zones are adjacent to Border Zones.

<sup>1</sup>The term “right-of-way” or “rights-of-way” is intended to reference the easement rights granted to Duke Energy. Zone sizes depicted and described assume 150 foot right-of-way. Actual zone sizes may vary based upon the particular right-of-way.

### Guidelines for Maintained Areas

#### Wire and Border Zone Areas

- 1) Existing trees and shrubs can generally remain in the Duke Energy right-of-way if:
  - a. The trees and shrubs can be pruned so that they will not grow within 20 feet of the power line at maximum design sag or sway before the next trimming cycle. Trees that cannot be pruned to appropriate levels must be removed (by Duke Energy) or relocated (by property owner); and
  - b. The trees or shrubs are not located within 10 feet of the tower structure.
  
- 2) New trees, shrubs and vegetation may not be planted in the Wire Zone unless they are replacing trees, shrubs or vegetation planted prior to implementation of revised bulk transmission guidelines (07/01/08). Please contact Duke Energy to discuss individual requests.

- 3) Vegetation on the approved species list can be newly planted within the Border Zone.

Peripheral Zones

- 1) Trees will be pruned so that they will not extend or fall within 20 feet of the lines at maximum peak load and weather conditions, including clearance distances for line sag and sway.

In maintained areas, Duke Energy will remove wood and debris at the owner's request.

**Guidelines for Non-Maintained Areas**

Wire Zone Area

- 1) Duke Energy's standard practice will be to remove trees and shrubs within the Wire Zone. At the request of the customer, Duke Energy will allow existing trees and shrubs to remain if they will not grow to within 20 feet of the line at maximum peak load and weather conditions, including clearance distances for line sag and sway.
- 2) Duke Energy will provide property owners an opportunity to relocate trees and shrubs currently within the right-of-way if they do not pose an immediate reliability risk and can be relocated safely.

Border Zone Area

- 1) Trees and shrubs that will not grow to within 20 feet of the power line at maximum peak load and weather conditions, including clearance distances for line sag and sway, are permitted within the Border Zone.
- 2) Duke Energy will provide property owners an opportunity to relocate trees and shrubs currently within the easement right-of-way, if they do not pose an immediate reliability risk and can be relocated safely.

Peripheral Zone

- 1) Trees will be pruned so that they will not extend or fall within 20 feet of the lines at maximum peak load and weather conditions, including clearance distances for line sag and sway.

**In All Areas**

Trees and shrubs that are within 20 feet of the power line at the maximum peak load and weather conditions, including clearance distances for line sag and sway, create an outage risk. When this situation is identified, Duke Energy will attempt to notify the impacted customer, but may take immediate action if trees cannot be pruned to appropriate levels and must be removed (by Duke Energy). For additional information or to schedule an appointment with a Duke Energy representative, call 1-800-521-2232.

**Ohio, Kentucky and Indiana Planting Zones**

For landscaped areas in transmission line easements – 150' easement

