Witness: **Roger C. Zaklukiewicz**
Request from: **Connecticut Siting Council**

Question:
Provide a typical profile of a right-of-way with a tower 130, 150, 170, and 190 feet tall. Show required right-of-way width and vegetative clearing.

Response:
The attached cross-section (Figure VR-1) shows a generic composite 345/115-kV structure type and its related vegetation clearing considering no other lines on the ROW. These structures could range from less than 130' to 190' in height, depending upon the design requirements and/or ground clearance at midspan. CL&P clearing practices allow woody shrub species to remain in most areas under and within 15 feet horizontally adjacent to the overhead conductors (Area A). On both sides of that area (Area B), low maturing tree species such as dogwood can be permitted to grow. Beyond those side zones (Area C), additional trees that could endanger the conductors must be selectively removed or trimmed.

The attached generic profile (Figure VR-2) shows shrub species that are generally allowed and that low maturing species may be permissible in valleys and ravines under and within 15' horizontal of the conductors.

To accommodate mature trees (up to 100' tall) as opposed to low mature trees (up to 15' tall) in the side zones (Area B), the structures would have to be raised an additional 85' over what is normally needed to provide proper ground clearance. This would yield a typical structure height of 200' or more.


VR-2.pdf
VR-1.pdf