### PUCO EXHIBIT FILING

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Date of Hearing:	14/12	
Case No. 11 - 417	7-EL-CSS	
PUCO Case Caption:		
Charles Pag	uelet, MD	
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Ohio Edison	Company	
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List of exhibits being file	ed:	0
Complainant's	Ex. 1	
Company Ex	s. 1, 2, 3, 4	5,6,7,
	8 and JL-	1 of Ex. 10
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Technician Date Processed JUN 29 2019

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BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO
 1
 2
 3
     Charles Paquelet, MD, :
              Complainant,
 4
                              : Case No. 11-4177-EL-CSS
 5
         vs.
 6
     Ohio Edison Company,
 7
              Respondent.
 8
 9
                          PROCEEDINGS
10
     before Mr. Kerry K. Sheets, Hearing Examiner, at the
     Public Utilities Commission of Ohio, 180 East Broad
11
     Street, Room 11-C, Columbus, Ohio, called at 10:00
12
13
     a.m. on Thursday, June 14, 2012.
14
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18
19
20
21
22
                     ARMSTRONG & OKEY, INC.
                222 East Town Street, 2nd Floor
23
                     Columbus, Ohio 43215
                (614) 224-9481 - (800) 223-9481
24
                      Fax - (614) 224-5724
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Complainant's Exhibit 7 Stark County GIS 200 feet 7.2 K WATER . 5447 747 **1**5 5t 4 1 % Notes

EXHIBIT

LOMPLAINANT



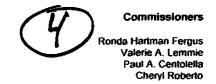
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Ted Strickland, Governor Alan R. Schriber, Chairman



March 25, 2010

John Paquelet

11849 Northcrest

Massillon, OH 44647

CASE ID: JPAQ031710NB

Dear Mr. Paquelet:

Thank you for contacting the Public Utilities Commission of Ohio (PUCO) regarding tree trimming.

The PUCO requires that electric companies have a tree-trimming program to keep their lines clear of overgrown trees and limbs that could interfere with the safety and reliability of electric service. The companies have established policies and procedures to trim trees in the easement. The electric company is permitted to have access to trim the trees in the easement or right of way. Questions regarding the location and dimensions of an easement should be directed to the county clerk's office.

4901:1-10-27(E)(1)(f) of the Ohio Administrative Code, known as the Electric Service and Safety Rules, require each electric company to have a vegetation management program and provide PUCO with a description of that program. Our offices review it and either accept it or request the companies make changes. FE companies are required to trim every circuit at least once every four years. They are required to trim enough so that re-growth will not make contact with the electric lines before the next four year trim is due.

Should you have questions about this or any other utility-related matter, please contact the PUCO Consumer Hotline at 1-800-686-PUCO (7826). For additional information regarding the PUCO, you may also visit us on the web at <a href="https://www.PUCO.ohio.gov">www.PUCO.ohio.gov</a>.

Sincerely.

Stephen Watson
Customer Service Investigator
Service Monitoring and Enforcement Department



#### **OBJECTIVE**

The objective of all work covered by these documents is to maintain safe, reliable and economical electric service, through effective line clearance and satisfactory public relations.

#### SCOPE OF SERVICES

The right-of-way shall be free of all vegetative obstructions which interfere with the construction, operation, maintenance and repair of the electric facilities. The Contractor's work is described in detail and shall be completed in conformance with these specifications and all other provisions of the contract documents.

#### GENERAL POLICY STATEMENT

.....

This contract will be under the direct supervision of the contracting agency or its authorized representatives. FirstEnergy, at its sole discretion may make changes altering, adding to, or reducing the extent of the Work. Such changes shall be initiated by written order of FirstEnergy and Contractor shall submit the proposed cost or credit to FirstEnergy for any changes in the Work within 15 working days after receipt of the written order for FirstEnergy's approval. Such changes to the Work shall not proceed without FirstEnergy's approval.

The Contractor shall furnish competent supervision as required, and may designate a Supervisor as the Contractor's representative in all manners relating to the work to be performed. The Contractor shall have full responsibility for the work and good conduct of its employees. Directions and instructions shall be given to such employees by the Contractor or its representatives, and in no circumstances by FirstEnergy or its representatives.

A copy of the FirstEnergy Vegetation Management Specifications shall be given to every crew before starting work on any project and Contractor and the Contract Supervisor shall go over the FirstEnergy Vegetation Management Specification with every crew member prior to starting work under any project.

Recieved from Ms Carrie Dunn January 11. 2012 as part of initial interogatories



Services is a third-party contractor, Ohio Edison does not have information on the exact credentials of the individuals employed by Nelson Tree Services. However, I have requested this information and as soon as I receive it, I will pass it along to you.

In your third question, you asked what I instructions were give the crew that performed the most recent work on your property. Ohio Edison instructed Nelson Tree Services to get full clearance and proper cuts in accordance with the vegetation management specifications and ANSI A300 standards for utility pruning.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

Carrie M. Dunny

Carrie M. Dunn

CMD/jhp

**Enclosures** 



Taken from "First Energy vegetation Specification Manual'

timesheets, the Contractor shall refer to the Instructions for Filling out the FirstEnergy Weekly Timesheets. (Exhibit 4)

For recording putposes, a tree qualified for "tree pruned" status shall be defined as being a plant with a central trunk that is six inches (6") in dismeter at breast height (dbh). Breast height shall be 4.5 feet above ground level. Multiple trunks originating from the same common root crown shall be considered as one (1) tree. The trunk with the largest diameter will be considered to be the size of the tree.

#### DISTRIBUTION CLEARING ZONE

The degree and type of tree clearance required for electric lines to function effectively is dependent on the voltage of the conductor, the type of tree, its growth rate and branching habit.

The distribution clearing zone is defined as a corridor measured at a distance of 15' (fifteen feet) on either side of the pole line or to the established large tree edge, whichever is greater in width. Emphasis is to be placed on controlling all incompatible vegetation within this clearing zone. All incompatible vegetation overhanging the clearing zone corridor shall be pruned back to the main stem. In cases where incompatible vegetation is not controlled, such as in maintained lawn areas, vegetation shall be pruned following directional pruning methods and as further defined in the current ANSI 300 Standards and Amendments. Pruning shall be done in such a manner to achieve a minimum of four years of clearance from FirstEnergy primary conductors based on tree species and growing conditions. In cases where four years of clearance is unattainable 12' (twelve feet) of clearance around primary conductors shall be achieved. (Refer to Procedure for Refusals and Skips page 9.)

Regardless of tree species, structures with fuses or disconnects must have all woody vegetation cleared within an eight foot (8") radius of the fuse/disconnect side of the structure.

When clearing vegetation for an individual circuit on a pole or structure, the

## Annex C Applicable ANSI A300 interpretations

The following interpretations apply to Part 1 - Pruning:

#### C-1 Interpretation of "should" in ANSI A300 standards

"An advisory recommendation" is the common definition of "should" used in the standards development community and the common definition of "should" used in ANSI standards. An advisory notice is not a mandatory requirement. Advisory recommendations may not be followed when defensible reasons for non-compliance exist.

#### C-2 Interpretation of "shall" in ANSI A380 standards

"A mandatory requirement" is the common definition of "shall" used in the standards development community and the common definition of "shall" used in ANSI standards. A mandatory requirement is not optional and must be followed for ANSI A300 compliance.

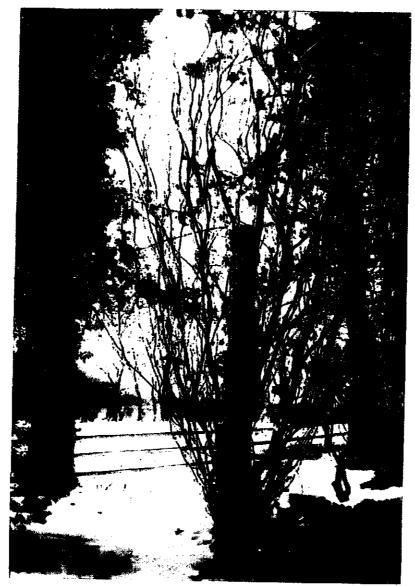




# #33 - Fastigiate European Beech (Fagus sylvatica 'Fastigiata')

This beech is well-suited to a narrow growing space; its habit of tight, upright branches provides an interesting accent in the landscape. The tree is distinguished from its parent, the European Beech, only by this columnar form.













If the property owner refuses to allow the tree to be removed, the contractor shall prune the tree for line clearance at that time, and notify the FirstEnergy representative by phone. While clearing the tree from the conductor, obtain the property owner's name, address and phone number, and reason for refusal. The contractor is also to notify the FirstEnergy representative promptly in writing, giving property owner's name, address, phone number, and reason for refusal. A copy of the written notice is to be sent to the Claims Department, 76 South Main Street, Akron, Ohio 44308.

Down and span guys are to be freed of weight, strain or displacement because of pressure caused by contact with tree parts, particularly from fast-growing trees. Vines growing on poles, towers, and guy wires will be cut at ground line and as high as can be safely reached from the ground. Stumps of vines will be treated using an approved cut surface treatment. Notification to the property owner shall be given prior to removing cultivated vines. All notious vines should be removed, as directed by the designated FirstEnergy representative, from poles, towers, and guys and treated with an appropriate herbicide. If vines are entwined in electrical equipment, FirstEnergy shall be notified.

Communication conductors owned by FirstEnergy shall be maintained to the same clearance as secondary voltages, or as directed by the designated FirstEnergy representative. Allowance shall be made for wire sag and horizontal displacement due to extreme weather conditions and high winds.

Antennas, their supports or other objects attached to or in a tree such that their placement or maintenance has or would cause someone to be in close proximity to the conductor are to be reported promptly in writing to FirstEnergy.

#### **DEBRIS & WOOD DISPOSAL**

The Contractor shall leave the wood that is too large to be chipped in handling lengths for the property owner to cut into final firewood lengths. The Contractor shall communicate this to the property owner at the time of notification. The Contractor shall document this notification as directed by FirstEnergy.

The Contractor shall satisfactorily dispose of all tree parts that are pruned or removed in a manner that is acceptable to the landowner and FirstEnergy. Accepted FirstEnergy methods of disposal include windrowing, chipping, lopping, and stacking. Lopping must be below knee height. Brush and logs must not be left in any waterway or within 15 feet of the centerline of any distribution line or more than 10 feet from the edge of a transmission line clearing zone. Debris from clearing zone areas that are adjacent to a road shall be kept on the edge of the clearing zone away from the edge of the road.

Debris that is generated from emergency work, where tree clearing is required, is to be left in a reasonably safe manner. Under these conditions an Emergency Work door card (form 441) is to be left for the property owner. Situations may occur that require debris generated by emergency work to be cleaned up, the work shall be done at the direction of FirstEnergy.

#### WORK SITE APPEARANCE UPON COMPLETION OF WORK

Work sites shall be left in a condition equal to that which existed prior to the commencement of the Contractor's operations.

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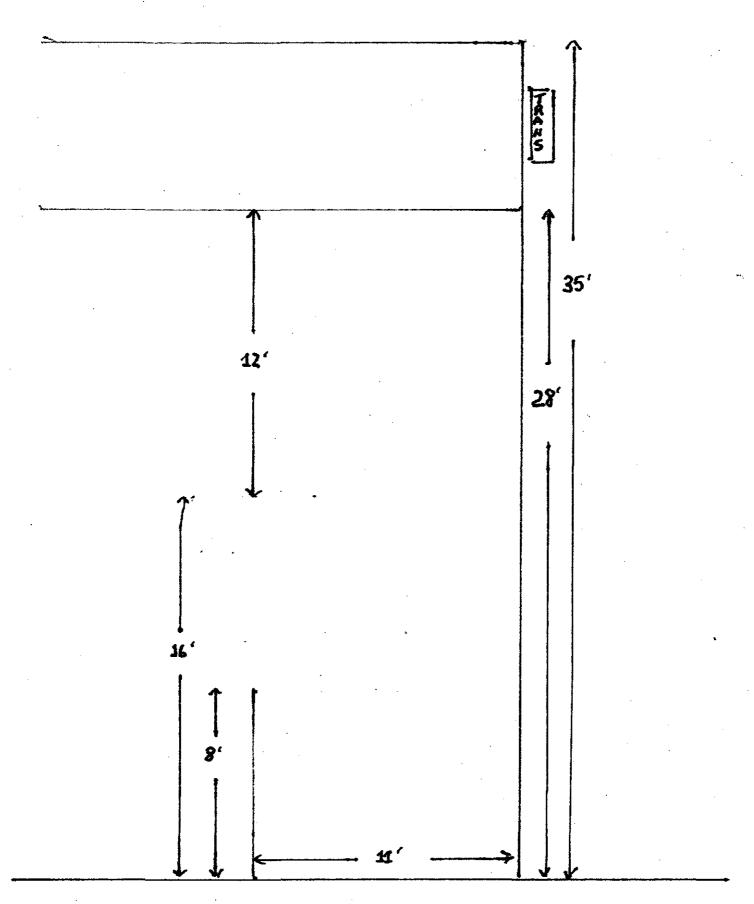
All Contractor-generated trash, including empty drinking cups, lunch papers, oil containers, cigarette butts etc. must be properly disposed of and not left on site.

#### WORK INSPECTION

FirstEnergy has the responsibility for inspecting and approving work performed under these specifications. The exercise of this responsibility by FirstEnergy Forestry shall not lessen or relieve the Contractor from responsibility under this agreement. The purpose of this inspection is to ensure specification compliance. Payment will be withheld for areas

POLE Beech GARDEN

1 BLOCK = 2 FEET



1 BLOCK = 1 FOOT

Trees dangerous to the conductor located on the clearing zone corridor and those adjacent to the clearing zone corridor shall be removed as directed by FirstEnergy.

All vegetation that is removed shall be cut as closely to the ground line as possible and shall not exceed a height of 3" (three inches) above the ground level unless otherwise directed by FirstEnergy.

Trees, brushwood, and slash shall be placed or disposed of as designated by the detailed property and provision list or as directed by FirstEnergy. Designated trees are to be left in lengths as long as possible, preferably whole tree lengths and shall be placed in neat piles with the tree lengths parallel to and along the edge of the clearing zone corridor and separated from other piles or wind rows.

Slash and brushwood generated from the clearing operation shall be placed in piles or windrows along the edge of the clearing zone corridor and separated from other piles unless otherwise directed by FirstEnergy. Any disposal of brush, wood, slash, logs or trees shall be in accordance with the laws and regulations of the appropriate governing authority.

#### TREE PRUNING METHODS

All pruning, both initial and re-pruning, shall be done in accordance with modern arboriculture standards using the current ANSI 300 Standards and Amendments. Directional pruning is the preferred method of line clearance pruning. Whenever possible, the Contractor shall obtain clearance in this manner.

The drop crotch method will be used.

Pruning cuts are to be made back to the main stem, or to a lateral branch which is at least one third the diameter of the portion being removed. Limbs shall not be stubbed off at the

edge of the clearing limits. Pruning shall be done in a manner that will promote growth away from the power lines.

Dead branches and structurally weak limbs overhanging primary conductors shall be removed.

A minimum number of cuts shall be utilized to achieve required clearances.

Where practical, cuts should be primarily restricted to large diameter branches, made well within the crown. Shaping through the use of small diameter branches in the outer crown shall be avoided.

Cuts are to be made outside the branch bark ridge leaving no stub.

Precautions shall be taken to avoid stripping or tearing of bark when cutting limbs.

All severed twigs, branches and limbs shall be removed from pruned trees.

The practices known as "shearing", "stubbing", pollarding, or "rounding over" shall be avoided. Exceptions to drop crotchand directional pruning techniques shall be used only when directed to do so by the FirstEnergy representative.

#### TREE REMOVAL

A woody plant six inches (6") in diameter at four and one-half feet (4.5') above the ground (dbh) will be considered for purposes of recording a tree. All growths less than this measurement will be considered brush

Trees that are expected to be removed are those that are:

- Dead or defective which constitute a hazard to the conductor.
- Trees that have fast growth rates or trees that cannot be pruned for effective conductor clearance.



### Taken from Best Management Practices- ANSI A300 Part I

Unfortunately, trees do not always have sufficiently large lateral branches, growing in the right direction, to assume dominance. Large trees with an excurrent, or upright, growth habit that are growing directly beneath a facility often pose this dilemma. If these trees are to be retained, it may be necessary to prune to smaller laterals in order to obtain the required clearance. Whenever practical, such trees should be removed and, if appropriate, replaced with compatible species.

#### Pre-Established Clearing Limits

Many pruning specifications require a minimum clearance between tree branches and utility facilities. If used, such pre-established clearing limits should allow for variables such as

- tree species characteristics
- expected growth rate
- natural tree structure
- expected reaction to pruning
- wood strength
- overall tree health
- length of time until next scheduled pruning
- type of facility (voltage, construction type, etc.)

Factors such as the presence of other trees, buildings, terrain, and other site features also contribute to the shape or growth patterns of trees and should be taken into account when obtaining clearances.

Utility arborists should be familiar with the characteristics of trees in the areas where they work and should obtain clearances accordingly. For example, more clearance may be necessary on fast-growing or weak-wooded trees. When minimum clearances are required, pruning cuts should be made at the next suitable lateral or parent limb beyond the specified distance whenever practical (see Figure 8).

#### Rounding Over and Stubbing Cuts

Rounding over, or *topping*, is the now discredited practice of indiscriminately stubbing the entire crown of a tree (Figure 12). In this process, a series of heading cuts are made between lateral branches, rather than at the lateral. This once wide-spread practice is now considered unacceptable because it severely damages trees and encourages rapid re-growth. Many tree species respond to heading, topping, rounding over, or other severe treatments with a flush of fast-growing sprouts, which can rapidly overtake conductors (Figure 13).

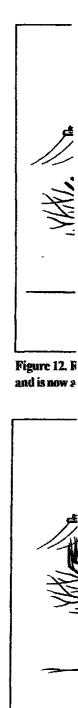
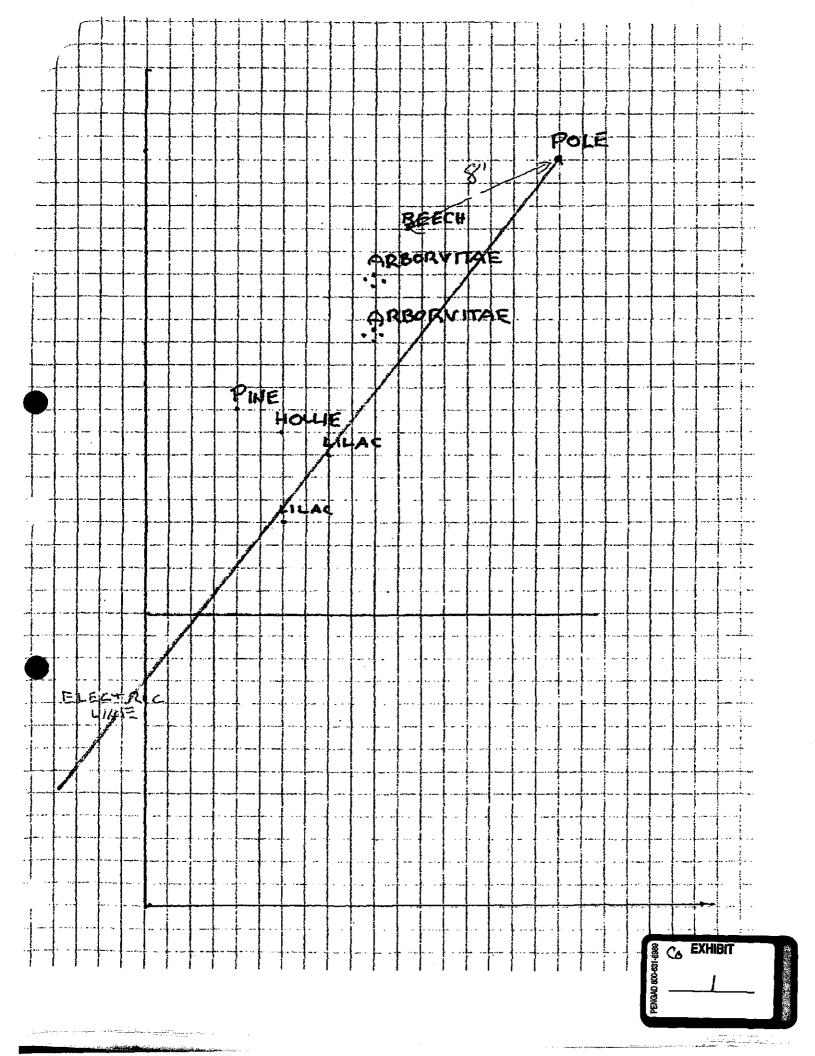
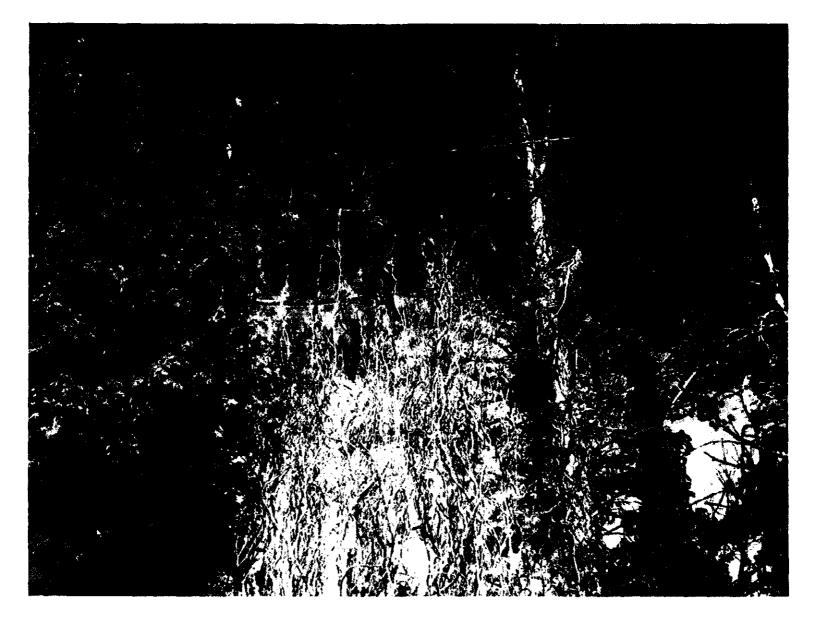
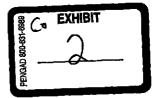


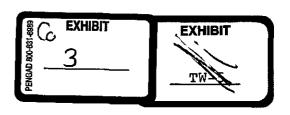
Figure 13. Ma growing spros



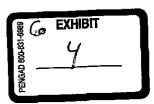












3-54" DY (5)

CHARLES J. PAQUELET, M.D. 11849 Northcrest N.W. Massillon, Ohio 44647

October 16, 2011

Dear Bill,

thank you for your willingness to help me with my dispute with First Energy Co. My complaint is that more of my tree (Fagus sylvatica fastigata) was removed than necessary and it was done in such a manner as to irreparably damage the tree.

The First Energy Company identifies two authoritative guides they use in their vegetation management program. I have enclosed copies of pertinent parts and have highlighted the guidelines that were violated.

I think I planted the tree probably from a gallon container about 1985. I estimate the tree was about 25 to 30 feet tal and quite "tight". I don't think this tree was pruned before this episode. The existing trunk measures 8' and the logs on the ground that represent the middle part of the tree also measure 8'. The smallest end of the logs on the ground measures about 4". I suspect that part, the upper part of the tree went to the chipper.

The photos of the pole show the "hot wire" above and the "ground wire" 7' below with the transformer on the opposite of the pole relative to the beech tree. And, the distance of the trunk of the beech tree to the pole is 8' There should be a cross bar on the pole. In December 2004 we had an ice storm. The cross bar broke and shorted out the system. In First Energy's repair they cut off the cross bar and lowered the ground wire 7' from the original 35'

I suspect the creww that pruned my trees used this lower wire as a guide and achieved a clearance of 12' accounting for why my tree is now 16' tall with the unexplained removal of another 8' of the trunk.

I would think my descriptions and explanations are at best confusing. I'll give you a call when I get back from Montana and maybe Judy and I can come and visit with you and Nancy. Besides we can make plans for Italy!

Charle

Company

X

for Tree Care Operations —
Tree, Shrub, and Other Woody Plant
Management —
Standard Practices (Pruning)







- 3.5.4 Smoking shall be prohibited when handling or working around flammable liquids.
- 3.5.5 Clothing contaminated by flammable liquid shall be changed as soon as possible.
- 3.5.6 Open flame and other sources of ignition shall be avoided.

#### 4 ELECTRICAL HAZARDS

#### 4.1 General

- 4.1.1 All overhead and underground electrical conductors and all communication wires and cables shall be considered energized with potentially fatal voltages.
- 4.1.2 The employer shall certify that each employee has been trained to recognize and is appropriately qualified to work within proximity to electrical hazards that are applicable to the employee's assignment.
- 4.1.3 Arborists and other workers shall be instructed that
  - (a) electrical shock will occur when a person, by either direct contact or indirect contact with an energized electrical conductor, energized tree limb, tool, equipment, or other object, provides a path for the flow of electricity to a grounded object or to the ground itself. Simultaneous contact with two energized conductors phase to phase will also cause electric shock that may result in serious or fatal injury.
  - (b) electrical shock may occur as a result of **ground fault** when a person stands near a grounded object (for example, if an uninsulated aerial device comes into contact with a conductor with outriggers down).
  - (c) in the event of a downed energized electrical conductor or energized grounded object, there exists the hazard of **step potential**.
- 4.1.4 If the minimum approach distance for a qualified line-clearance arborist (shown in Table 1) or for a qualified arborist (shown in Table 2) cannot be maintained during arboricultural operations, the electrical system owner/operator shall be advised and an electrical hazard abatement plan implemented before any work is performed in proximity to energized electrical conductors.

### 4.2 Working in Proximity to Electrical Hazards

- 4.2.1 The items contained in section 4.1 shall always be included in the review of this section.
- 4.2.2 An inspection shall be made by a qualified arborist to determine whether an **electrical** hazard exists before climbing, otherwise entering, or performing work in or on a tree.

Table 1. Minimum approach distances from energized conductors for qualified line-clearance arborists and qualified line-clearance arborist trainees.

Nominal voltage Includes 1910.269 elevation in kilovolts (kV) factor, sea level to 5,000 ft*		Includes 1910.269 elevation factor, 5,000-10,000 ft*		Includes 1910.269 elevation factor, 10,001–14,000*		
phase to phase	ft-in	m	ft-in	m	ft-in	m
0.051 to 0.3	Avoid con	tact	Avoid contact		Avoid contact	
0.301 to 0.75	1-01	0.33	1-03	0.38	1-04	0.41
0.751 to 15.0	2-05	0.70	2-09	0.81	3-00	0.88
15.1 to 36.0	3-00	0.91	3-05	1.04	3-09	1.00
36.1 to 46.0	3-04	1.01	3-10	1.16	4-02	1.09
46.1 to 72.5	4-02	1.26	4-09	1.44	5-02	1.30
72.6 to 121.0	4-06	1.36	5-02	1.55	5-07	1.68
138.0 to 145.0	5-02	1.58	5-11	1.80	6-05	1.96
161.0 to 169.0	6-00	1.80	6-10	2.06	7-05	2.23
230.0 to 242.0	7-11	2.39	9-00	2.73	9-09	2.95
345.0 to 362.0	13-02	3.99	15-00	4.56	16-03	4.94
500.0 to 550.0	19-00	5.78	21-09	6.60	23-07	7.16
765.0 to 800.0	27-04	8.31	31-03	9.50	33-10	10.29

\*Exceeds phase to ground; elevation factor per 29 CFR 1910.269.

Note: At time of publication, the minimum approach distances in this table for voltages between 301 and 1,000 volts exceed those specified by 29 CFR 1910.269, in anticipation of OSHA adopting these distances during the life of ANSI Z133.1-2006.

- 4.2.3 Only qualified line-clearance arborists or qualified line-clearance arborist trainees shall be assigned to work where an electrical hazard exists. Qualified line-clearance arborist trainees shall be under the direct supervision of qualified line-clearance arborists.
- 4.2.4 A second qualified line-clearance arborist or lineclearance arborist trainee shall be within visual or voice communication during line-clearing operations aloft when an arborist must approach closer than 10 feet (3.05 m) to any energized electrical conductor in excess of 750 volts (primary conductor) or when
  - (a) branches or limbs are being removed, which cannot first be cut (with a nonconductive pole pruner/pole saw) to sufficiently clear electrical conductors, so as to avoid contact; and/or
  - (b) roping is required to remove branches or limbs from such electrical conductors.

Table 2. Minimum approach distances to energized conductors for persons other than qualified line-clearance arborists and qualified line-clearance arborist trainees.

Nominal voltage in kilovolts (kV)	Distance			
phase to phase*	ft-in	m		
0.0 to 1.0	10-00	3.05		
1.1 to 15.0	10-00	3.05		
15.1 to 36.0	10-00	3.05		
36.1 to 50.0	10-00	3.05		
50.1 to 72.5	10-09	3.28		
72.6 to 121.0	12-04	3.76		
138.0 to 145.0	13-02	4.00		
161.0 to 169.0	14-00	4.24		
230.0 to 242.0	16-05	4.97		
345.0 to 362.0	20-05	6.17		
500.0 to 550.0	26-08	8.05		
785.0 to 800.0	35-00	10.55		

\*Exceeds phase to ground per 29 CFR 1910.333.

- **4.46 stub:** Portion of a branch or stem remaining after an internodal cut or branch breakage.
- **4.47 subordination:** Pruning to reduce the size and ensuing growth rate of a branch or leader in relation to other branches or leaders.
- 4.48 sucker: Shoot arising from the roots.
- **4.49 thin:** pruning to reduce density of live branches (7.5).
- **4.50 throw line:** A small, lightweight line with a weighted end used to position a climber's rope in a tree.
- **4.51 topping:** Reduction of tree size using internodal cuts without regard to tree health or structural integrity. Topping is not an acceptable pruning practice (6.1.7).
- **4.52 tracing:** The removal of loose, damaged tissue from in and around the wound.
- **4.53 trunk:** The main woody part of a tree beginning at and including the trunk flare and extending up into the crown from which scaffold branches grow.
- **4.54 trunk flare:** 1. The area at the base of the plant's trunk where it broadens to form roots. 2. The area of transition between the root system and trunk (syn.: root flare).
- **4.55 urban/residential areas:** Populated areas including public and private property that are normally associated with human activity.
- **4.56 utility:** A public or private entity that delivers a public service, such as electricity or communications.
- **4.57 utility space**: The physical area occupied by a utility's facilities and the additional space required to ensure its operation.
- **4.58 vista/view prune:** Pruning to enhance a specific view without jeopardizing the health of the tree (6.4).
- **4.59 wound:** An opening that is created when the bark of a live branch or stem is cut, penetrated, damaged, or removed.

**4.60 woundwood:** Partially differentiated tissue responsible for closing wounds. Woundwood develops from callus associated with wounds.

#### 5 Pruning practices

#### 5.1 Tree inspection

- **5.1.1** An arborist or arborist trainee shall visually inspect each tree before beginning work.
- **5.1.2** If a condition is observed requiring attention beyond the original scope of the work, the condition should be reported to an immediate supervisor, the owner, or the person responsible for authorizing the work.
- **5.1.3** Job briefings shall be performed as outlined in ANSI Z133.1, subclause 3.1.4.

#### 5.2 Tools and equipment

- **5.2.1** Equipment, tools, and work practices that damage living tissue and bark beyond the scope of normal work practices shall be avoided.
- **5.2.2** Climbing spurs shall not be used when entering and climbing trees for the purpose of pruning.

#### Exceptions:

- when branches are more than throw-line distance apart and there is no other means of climbing the tree;
- when the outer bark is thick enough to prevent damage to the inner bark and cambium;
- in remote or rural utility rights-of-way.

#### 5.3 Pruning cuts

- **5.3.1** Pruning tools used in making pruning cuts shall be sharp.
- **5.3.2** A pruning cut that removes a branch at its point of origin shall be made close to the trunk or parent branch without cutting into the branch bark ridge or branch collar or leaving a stub (see Figure 5.3.2).

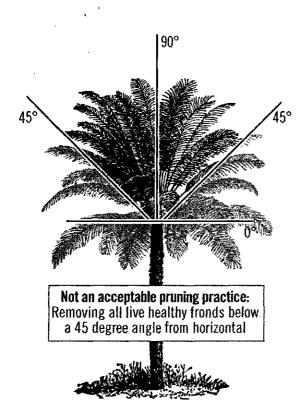


Figure 8.3b An overpruned palm (not an acceptable pruning practice).

- **8.4** Fronds removed should be severed close to the petiole base without damaging living trunk tissue.
- **8.5** Palm peeling (shaving) should consist of the removal of only the dead frond bases at the point they make contact with the trunk without damaging living trunk tissue.

#### 9 Utility pruning

#### 9.1 Purpose

The purpose of utility pruning is to prevent the loss of service, comply with mandated clearance laws, prevent damage to equipment, maintain access, and uphold the intended usage of the facility/utility space while adhering to accepted tree care performance standards.

#### 9.2 General

**9.2.1** Only a qualified line-clearance arborist or line-clearance arborist trainee shall be assigned to

line clearance work in accordance with ANSI Z133.1, 29 CFR 1910.331 – 335, 29 CFR 1910.268 or 29 CFR 1910.269.

- **9.2.2** Utility pruning operations are exempt from requirements in subclause 5.1, *Tree Inspection*, for conditions outside the utility pruning scope of work.
- **9.2.3** Job briefings shall be performed as outlined in ANSI Z133.1, subclause 3.1.4.

#### 9.3 Utility crown reduction pruning

#### 9.3.1 Urban/residential areas

- **9.3.1.1** Pruning cuts should be made in accordance with subclause 5.3, *Pruning cuts*. The following requirements and recommendations of 9.3.1.1 are repeated from subclause 5.3 *Pruning cuts*.
- **9.3.1.1.1** A pruning cut that removes a branch at its point of origin shall be made close to the trunk or parent branch, without cutting into the branch bark ridge or collar, or leaving a stub (see Figure 5.3.2).
- **9.3.1.1.2** A pruning cut that reduces the length of a branch or parent stem shall be made at a slight downward angle relative to the remaining stem and not damage the remaining stem. Smaller cuts shall be preferred (see Fig. 5.3.3).
- **9.3.1.1.3** The final cut shall result in a flat surface with adjacent bark firmly attached.
- **9.3.1.1.4** When removing a dead branch, the final cut shall be made just outside the collar of living tissue.
- **9.3.1.1.5** Tree branches shall be removed in such a manner so as not to cause damage to other parts of the tree or to other plants or property. Branches too large to support with one hand shall be precut to avoid splitting of the wood or tearing of the bark (see Figure 5.3.2). Where necessary, ropes or other equipment shall be used to lower large branches or portions of branches to the ground.
- **9.3.1.1.6** A cut that removes a branch with a narrow angle of attachment should be made from the outside of the branch to prevent damage to the parent branch (see Figure 5.3.8).

- **9.3.1.2** A minimum number of pruning cuts should be made to accomplish the purpose of facility/utility pruning. The structure and growth habit of the tree should be considered.
- **9.3.1.3** Trees directly under and growing into facility/utility spaces should be removed or pruned. Such pruning should be done by removing entire branches or leaders or by removing branches that have laterals growing into (or once pruned, will grow into) the facility/utility space.
- 9.3.1.4 Trees growing next to, and into or toward, facility/utility spaces should be pruned by reducing branches to laterals (5.3.3) to direct growth away from the utility space or by removing entire branches. Branches that, when cut, will produce sprouts that would grow into facilities and/or utility space should be removed.
- **9.3.1.5** Branches should be cut to laterals or the parent branch and not at a pre-established clearing limit. If clearance limits are established, pruning cuts should be made at laterals or parent branches outside the specified clearance zone.

## 9.3.2 Rural/remote locations ~ mechanical pruning

Cuts should be made close to the main stem, outside of th branch bark ridge and branch collar. Precautions should be taken to avoid stripping or tearing of bark or excessive wounding.

#### 9.4 Emergency service restoration

During a utility-declared emergency, service must be restored as quickly as possible in accordance with ANSI Z133.1, 29 CFR 1910.331 – 335, 29 CFR 1910.268, or 29 CFR 1910.269. At such times, it may be necessary, because of safety and the urgency of service restoration, to deviate from the use of proper pruning techniques as defined in this standard. Following the emergency, corrective pruning should be done as necessary.

#### Applications are accommendations

The following interpretations apply to Part 1 - Pruning:

#### C-1 Interpretation of "should" in ANSI A300 standards

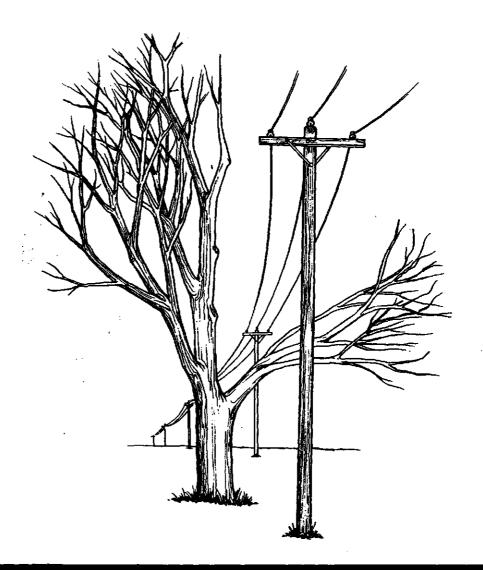
"An advisory recommendation" is the common definition of "should" used in the standards development community and the common definition of "should" used in ANSI standards. An advisory notice is not a mandatory requirement. Advisory recommendations may not be followed when defensible reasons for non-compliance exist.

#### C-2 Interpretation of "shall" in ANSI A300 standards

"A mandatory requirement" is the common definition of "shall" used in the standards development community and the common definition of "shall" used in ANSI standards. A mandatory requirement is not optional and must be followed for ANSI A300 compliance.

## **Best Management Practices**

## UTILITY PRUNING OF TREES



Special companion publication to the ANSI A300 Part 1: Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices, Pruning

Company

## **Best Management Practices**

### **UTILITY PRUNING OF TREES**

**Geoffrey P. Kempter** 

Special companion publication to the ANSI A300 Part 1: Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices, Pruning

ISBN 13: 978-1-881956-44-0 ISBN 10: 1-881956-44-X

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International Society of Arboriculture (ISA).



Editorial Coordinators: Peggy Currid and Sharon Lilly Copyeditor: Lena Singer Text and Cover Composition: Kathy Ashmore Illustrations by Timothy N. Stiles Printed by Premier Print Group, Champaign, IL

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15 0112-RF-2000

## **ACKNOWLEDGMENTS**

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Jeff Smith, Dominion Virginia Power, Norfolk, VA

Derek Vannice, International Society of Arboriculture, Champaign, IL

Thanks also to Peter Fengler, Brian Fisher, Ed Gilman, John Goodfellow, Hyland Johns, Paul Johnston, Jim Orr, Robert Rouse, Ruth Stein, Robert Tate, and Kristin Wild.

### **Foreword**

Utility tree pruning programs are necessary to ensure the safe and reliable delivery of vital services, such as electricity and other utility services, and to protect roads and highways, sidewalks, street and traffic lighting, signage, buildings, pipelines, and other right-of-way corridors. However, utility arborists must recognize that in most cases, trees and urban forests add value to property and enhance the quality of life in a variety of ways.

This booklet describes current best practices in utility tree pruning based on scientific research and proven methodology as documented in the American National Standard for Tree Care Operations—Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices (Pruning) (ANSI A300 Part 1), which contains a specific section on utility pruning. The use of these methods enhances the safe and reliable delivery of utility services while preventing unnecessary injury to trees to the greatest extent possible.

Specifications should be written with the understanding that trees are living, dynamic organisms, each one unique. Practitioners in the field will encounter situations that defy expectations. Furthermore, communities and members of the public value trees for differing reasons. Practitioners of utility arboriculture must be prepared to accommodate a variety of circumstances and adjust as necessary.

For additional details on pruning practices, please refer to ISA's publication, Best Management Practices: Tree Pruning.

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### Introduction

Trees must coexist with a variety of human-made structures, both above and below ground. Most commonly they compete for space with overhead power lines, but trees also conflict with communication lines, street lighting, buildings, lines-of-sight, sidewalks, roads, other right-of-way corridors, and underground utilities. By far, the best way to maximize the many benefits provided by trees is to plant them where they will not outgrow their space (Figure 1). However, trees that threaten the integrity of utility or other vital infrastructure must be pruned or removed.

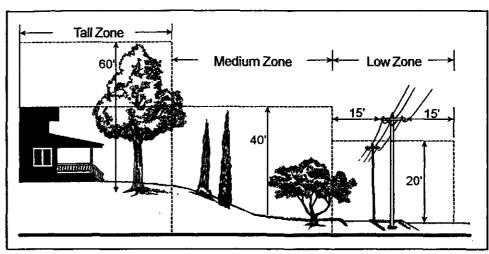


Figure 1. Proper selection and placement of trees minimizes the need for utility pruning.

Trees encroaching on utility facilities may pose significant public safety risks. For example, falling trees and branches have the potential to bring down high-voltage electric lines, increasing the risk of fire or personal injury. Dense vegetation may conceal power lines, endangering children who climb trees, or could otherwise increase the likelihood of accidental contact. Tree growth may also obscure street lighting or lines-of-sight along roadways, increasing the danger of vehicular accidents. Though utility tree pruning programs cannot guarantee public safety, they can reduce the overall risk of accidents.

Each tree is unique in its structure and position in the landscape. When trees affect utility facilities, utility arborists must determine the type and extent of pruning before work begins. In any given circumstance, there may be multiple acceptable approaches to accomplishing the pruning objectives.

## Purpose of Utility/Facility Pruning

Trees are among the most common causes of utility service interruption. Utility pruning is undertaken to maintain an acceptable level of safety, prevent the loss of critical services, and ensure the intended use of the facility. If not properly maintained, vegetation may also damage infrastructure and impede access to utility facilities by maintenance and repair personnel.

Utility pruning operations provide access and adequate service along easements and rights-of-way across private and public property. In some areas, government authorities have adopted performance standards such as mandatory minimum clearances between energized conductors and surrounding vegetation. Utility tree pruning programs must be designed to meet these requirements.

Utility pruning operations should remove only those branches necessary to ensure the effective intended use of the utility space. Obtaining excessive clearance is needlessly costly, may unnecessarily injure trees, and often leads to adverse public relations. At the same time, inadequate clearance could result in service interruptions, damaged infrastructure, or safety hazards.

Utility arboriculture specifications generally focus on the part of the tree with the greatest potential to affect the utility or facility space. The remaining portions of the tree are outside the scope of work, unless exceptions are specified. These scope limitations may be due to easement limitations, liability, the large number of individual properties involved, the need to concentrate limited resources on achieving the specified pruning objective, or a combination of these and other factors. Therefore, the scope of work is usually limited to specified areas, which often include only portions of individual trees.

## Safety

Primary electric utility lines carry voltages that are many times greater than household current. Both primary and secondary lines have the potential to kill or severely injure people who make contact with them, either directly or indirectly (Figure 2). Therefore, it is essential that only those who are properly trained in the practices and hazards associated with utility arboriculture engage in clearing vegetation from power lines! Members of the public or arborists who are not qualified to work around high-voltage power lines should NEVER attempt to clear trees and branches from these facilities.

The Occupational Safety and Health Administration (OSHA) requires employers to provide their employees with the necessary training to work near energized conductors. Employers must document employee progress and certify that this training has taken place. The American National Standard for Arboricultural Operations—Pruning, Maintaining, Repairing, and Removing Trees, and Cutting Brush—Safety Requirements (ANSI Z133.1) details safety requirements for arborists, including minimum approach distances to energized conductors for qualified line-clearance workers, as well as other individuals.

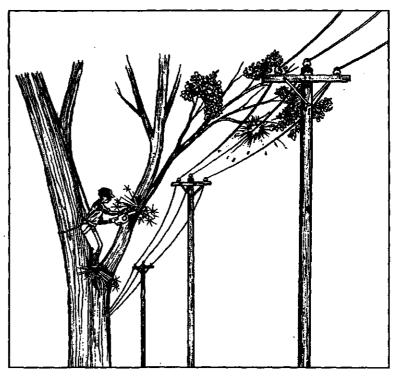


Figure 2. Indirect contact with energized conductors can be as deadly as direct contact.

## **Tools and Equipment**

Utility arboriculture is practiced in a variety of settings, wherever there are facilities that must be protected from encroaching vegetation. Appropriate tools and equipment often vary considerably according to local conditions, requirements, or customs. They could also differ according to urban or rural locations, or various regions of the country. Regardless of how work is accessed or which tools are used, utility tree workers must safely position themselves, their equipment, and their tools to make proper pruning cuts.

Work practices that cause additional injury to the tree, beyond the scope of work, must be minimized. For example, saws and other tools must be the correct size and controlled to avoid unnecessary damage. Large, pruned limbs should be lowered carefully, and ropes should not damage bark.

When using aerial lifts, the type and size of the unit should be appropriate. Correctly matching the lift to the type of work increases efficiency and may enhance the quality of work. For example, specialized lifts can provide access in areas difficult to reach any other way.

Climbers should be careful not to cause unnecessary damage to trees when accessing the work. Climbing spurs should be used only when there is no other safe and practical method for climbing the tree. Exceptions may also be made if the bark is thick enough to prevent damage to underlying tissues, or if the tree is in a remote or rural area. Whenever possible, climbers should be discouraged from using spurs.

Common pruning tools include hand saws, chain saws, pole saws, and pole pruners. Power tools may be powered by gasoline engines or hydraulics. These tools, and the systems that power them, must be properly maintained and used according to manufacturer's recommendations. Workers must be trained in the safe use of all available pruning tools.

## **Utility Pruning**

Utility pruning is often perceived differently from other types of pruning because the objectives are different. However, when pruning trees in urban and suburban environments, the tools and methods used are similar to those used for other pruning purposes. Likewise, utility arborists are expected to adhere to the same professional standards as other arborists.

### **Pruning Cuts**

The quality of pruning cuts has a direct impact on the overall effectiveness of utility pruning. Poorly made cuts may create a future hazard or promote the growth of unwanted sprouts. A proper pruning cut should be made close to the parent branch or limb but without leaving a stub or damaging the branch bark ridge or branch collar (Figure 3). When removing dead branches, cuts should not damage the collar of living tissue, which may often extend some distance from the parent stem (Figure 4). Well-made cuts will begin to close evenly from all sides (Figure 5).

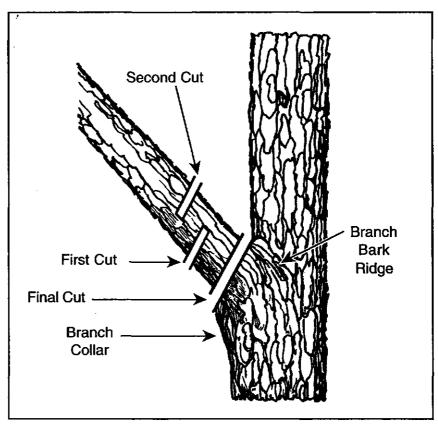


Figure 3. Pruning cuts should not damage the branch bark ridge or branch collar, or leave a stub. Large limbs should be pre-cut to avoid tearing of bark.

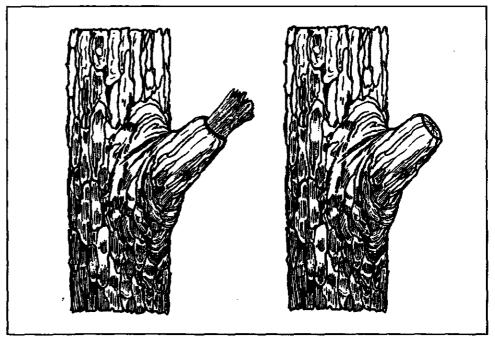


Figure 4. On dead branches, pruning cuts should be made outside the living branch collar, which may extend some distance from the parent stem.

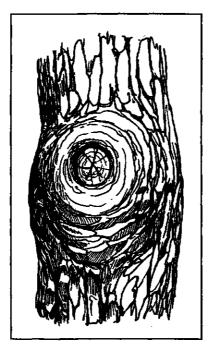


Figure 5. Well-made cuts will close evenly from all sides.

If the branch collar is not clearly defined, the optimal location for the pruning cut must be estimated, like when removing a codominant stem. When removing a codominant stem, make a cut that bisects the angle formed by the branch bark ridge and an imaginary line perpendicular to the removed stem (Figure 6). Pruning wounds that result from the removal of large codominant stems may not close or compartmentalize as well as smaller pruning cuts.

If a branch's angle of attachment is so narrow that a saw cannot be placed between it and the parent stem, the cut should be made from the outside of the branch (Figure 7). Again, it is important not to damage the branch collar. Care should be taken to avoid accidentally cutting into the remaining parent stem.

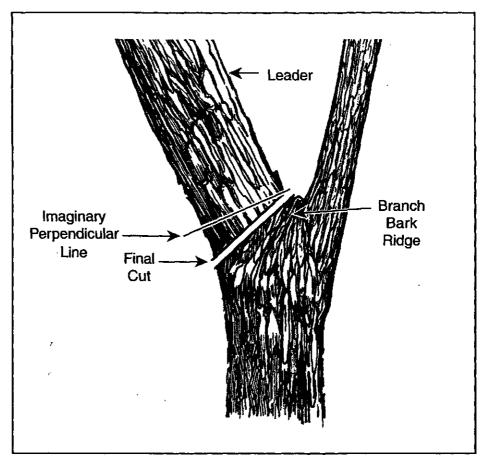


Figure 6. When removing a leader or codominant stem, the cut should bisect the angle between the branch bark ridge and an imaginary line perpendicular to the leader or stem.

A well-placed pruning cut minimizes injury to surrounding tissues and exposes the branch protection zone, an area at the base of branches containing chemicals that resist pathogens. Pruning here ensures the best opportunity for the tree to compartmentalize and close the resulting wound with as little impact as possible on overall tree health. Completed cuts should be flat and even. The bark surrounding the wound should not be loosened or otherwise damaged. It is not necessary to use wound treatments, unless in response to a specific threat against which such treatments are known to be effective.

Pruning operations must not cause unnecessary damage to other parts of the tree, other trees, or surrounding property. Whenever necessary, large limbs should be carefully lowered to the ground. When making large cuts, or when wood splitting or bark tearing is likely, branches should be pre-cut (see Figure 3).

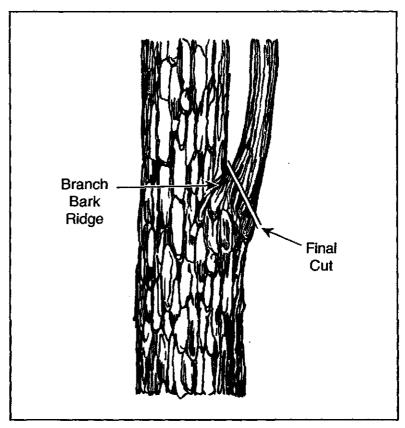


Figure 7. Branches with a narrow angle of attachment should be cut from the outside.

### **Pruning Method**

Decisions about which branches to prune are based on the individual characteristics of each tree (including growth rate, mature size, shape, and other factors), the work specification, the expected length of time before the next pruning, and other factors such as the type of utility facility. If circumstances allow, the intended use of the tree should be considered. In some cases, removing a few branches will suffice, while in others more branches should be pruned. There could be many acceptable approaches. While every effort should be made to minimize injury to trees, however, utility pruning operations must achieve required clearance objectives.

Achieving the required objectives may require considerable change in the appearance of the tree. However, the visual impact of utility pruning will be softened as the tree responds with new growth. In subsequent pruning, utility arborists should remove the largest and most vigorous shoots, leaving smaller, suppressed shoots that pose no threat. Noninterfering branches will continue to grow to their full size, making the cleared utility space a decreasing proportion of the crown over time.

#### Minimum Number of Cuts

Arborists should consider the natural structure of the tree, including expected growth patterns and mature size and shape, before work begins. The number of pruning cuts should be minimized to save time and reduce the number of injuries to the tree. The intent is to remove whole branches that are growing toward facilities and otherwise would have to be repeatedly pruned (Figure 8).

Branches that have been severely headed or stubbed in the past may be badly decayed and often accumulate heavy sprout growth. In some situations, large dominant leaders have grown directly toward or into facilities. In either case, it is usually best to remove such branches completely, although the decision to remove large limbs and leaders must be considered carefully. Large wounds may take years, if ever, to close, increasing the risk of decay in the parent stem. When necessary for the overall health and appearance of the tree, interfering branches or leaders may be subordinated, or reduced in length. Subordination may be used to

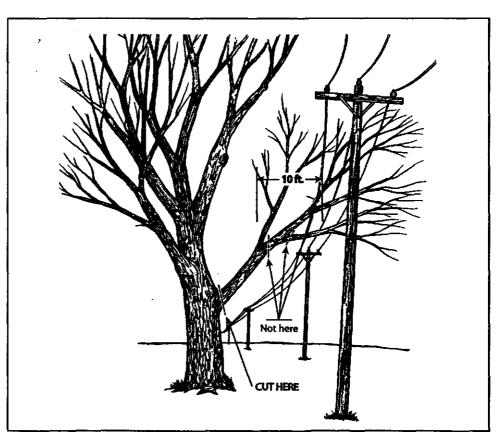


Figure 8. Remove whole branches when practical. When clearance distances are specified (for example, 10 feet), the cut should be made at the next suitable lateral or parent limb beyond the specified distance.

remove a branch over more than one pruning cycle rather than all at once. Subordination may also require cutting to laterals of less than recommended size, but only as a temporary measure.

#### Directional Pruning

Directional pruning is accomplished by pruning unwanted branches back to lateral branches or parent stems that are growing away from the facility (Figure 9). These lateral branches should be of sufficient size to become dominant, thus discouraging the growth of sprouts. This method is often referred to as *drop-crotching*, or *natural pruning*. Directional pruning is most effective when natural tree characteristics such as size, shape, and expected growth rate are taken into consideration. It also is important to understand the effect of other factors, such as apical dominance, on expected tree response to pruning.

Apical dominance is the suppression of lateral buds (located along the sides of branches) by terminal'buds (found at branch tips). When terminal buds are removed, apical dominance is reduced. The tree increasingly sprouts from lateral buds as a result, which is why trees respond with vigorous sprout growth when they are severely headed or rounded over. Directional pruning conserves as many terminal buds as possible, leading to less vigorous sprouting from lateral buds.

The effect of directional pruning on the shape of the tree depends

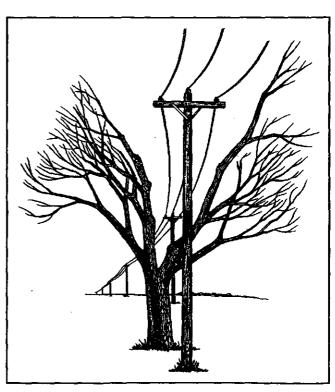


Figure 9. Directional pruning (also known as natural pruning) encourages growth away from conductors.

on the tree's natural growth habit and where the tree is relative to the facility. Trees growing directly beneath facilities assume a different shape than trees growing beside them (Figure 10). Removal of overhanging limbs may or may not be appropriate, depending on the type of facility, tree species, or other site conditions (Figure 11).

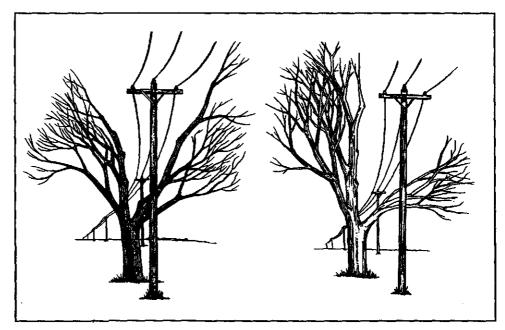


Figure 10. Directional pruning causes trees to assume different shapes depending on the location of utility facilities.

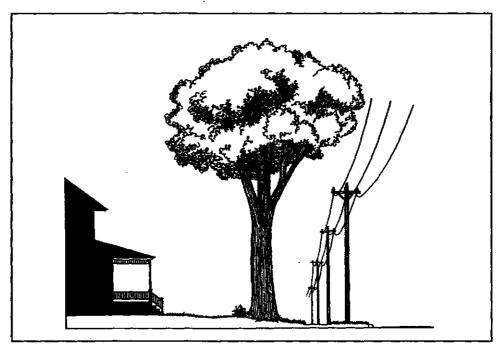


Figure 11. Removal of overhang may or may not be necessary depending on the type of utility facility, tree species, or other factors. Overhang is never acceptable over high-priority facilities such as high-voltage electric transmission lines.

Unfortunately, trees do not always have sufficiently large lateral branches, growing in the right direction, to assume dominance. Large trees with an excurrent, or upright, growth habit that are growing directly beneath a facility often pose this dilemma. If these trees are to be retained, it may be necessary to prune to smaller laterals in order to obtain the required clearance. Whenever practical, such trees should be removed and, if appropriate, replaced with compatible species.

#### Pre-Established Clearing Limits

Many pruning specifications require a minimum clearance between tree branches and utility facilities. If used, such pre-established clearing limits should allow for variables such as

- tree species characteristics
- expected growth rate
- natural tree structure
- · expected reaction to pruning
- wood strength
- overall tree health
- length of time until next scheduled pruning
- type of facility (voltage, construction type, etc.)

Factors such as the presence of other trees, buildings, terrain, and other site features also contribute to the shape or growth patterns of trees and should be taken into account when obtaining clearances.

Utility arborists should be familiar with the characteristics of trees in the areas where they work and should obtain clearances accordingly. For example, more clearance may be necessary on fast-growing or weak-wooded trees. When minimum clearances are required, pruning cuts should be made at the next suitable lateral or parent limb beyond the specified distance whenever practical (see Figure 8).

#### Rounding Over and Stubbing Cuts

Rounding over, or *topping*, is the now discredited practice of indiscriminately stubbing the entire crown of a tree (Figure 12). In this process, a series of heading cuts are made between lateral branches, rather than at the lateral. This once wide-spread practice is now considered unacceptable because it severely damages trees and encourages rapid re-growth. Many tree species respond to heading, topping, rounding over, or other severe treatments with a flush of fast-growing sprouts, which can rapidly overtake conductors (Figure 13).

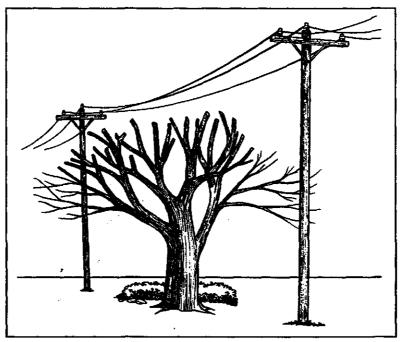


Figure 12. Rounding over, topping, or stubbing severely damages trees and is now a discredited practice.

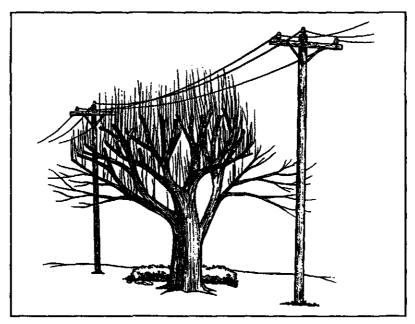


Figure 13. Many trees respond to rounding over with a flush of fast-growing sprouts directly back toward the electric facilities.

Trees sprout heavily following rounding over or severe pruning and produce rapid new growth, often right back into the area in which it is least desirable. In addition, repeated rounding over depletes food stores, weakens trees, and increases susceptibility to insects, diseases, and failure. In contrast, directional pruning cuts to laterals, which removes only what is necessary, protects tree health, and more effectively clears the facility.

#### **Pollarding**

Pollarding is an established pruning method that maintains certain species of trees and shrubs at a predetermined size by systematically removing annual growth. Many people mistakenly refer to the indiscriminate rounding over and heading of trees to reduce their size as *pollarding* (Figure 14).

True pollarding is a careful and deliberate process. It is accomplished by making strategically placed heading cuts, after which all new shoots are carefully removed

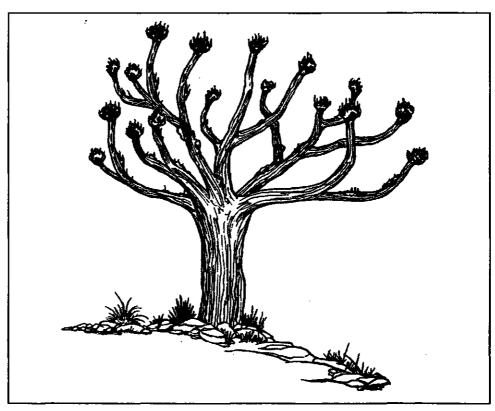


Figure 14. The practice of pollarding requires annual removal of all sprout growth, without damaging the woody knobs that form at the ends of branches. Rounding over or stubbing is *not* the same as pollarding. Pollarding is generally not practical under utility facilities.

every year, without damaging the woody knobs, or knuckles, that develop at the sites of the original cuts. For more information on pollarding, refer to Best Management Practices: Tree Pruning (published by ISA).

Though pollarding is effective in controlling the size of certain tree species, the required frequency of pruning and accompanying cost make routine use of this method impractical along utility corridors.

### Tree Response to Utility Pruning

Following pruning, the amount of sprout growth is determined by a number of factors, including

- Species: Some tree varieties such as sycamore (*Platamus* spp.), cottonwood (*Populus* spp.), certain maples (*Acer* spp.), linden (*Tilia* spp.), and others are known for prolific sprouting following pruning.
- Pruning method: Trees cut back to suitable laterals sprout less than trees that are rounded over, headed back, or pruned to laterals too small to assume dominance.
- Vitality: Trees in good health, with plenty of stored reserves, are likely to respond with vigorous growth, often in the form of sprouts. Severely stressed trees may also invest their last reserves in heavy sprout growth.
- Amount removed: The larger the percentage of crown removed, the stronger the expected growth response from a vigorous tree.

### **Cycle Pruning**

Pruning for clearance is best done on a regular, cyclical basis. Cycle pruning has many demonstrable advantages, including enhanced utility reliability, reduced biological and aesthetic impact on trees and neighborhoods, and stabilized or reduced tree maintenance budgets. To allow for variation in re-growth rates among different species, clearance distances should be recommended for individual species based on expected growth rates.

Cycle length is the amount of time between scheduled pruning operations. The cycle length should be established to ensure that tree growth will not overtake utility facilities prior to the next scheduled pruning. The optimal pruning cycle length is determined by the amount of clearance that can realistically be obtained as well as the expected growth rates of the trees present. Maintenance cycles generally are shorter in areas with long growing seasons or with a high percentage of fast-growing tree species. Likewise, in areas with short growing seasons or many slow-growing tree species, maintenance cycles can be longer.

Cycle lengths may vary even under the same growing conditions. For example, in urban areas, comparatively large clearances may not be achievable due to restricted easements or for aesthetic reasons. In rural areas, or when easements allow, greater clearance distances may permit longer pruning cycles.

The type of utility construction or the priority of the facility might also affect planned cycle length.

#### Mid-Cycle Pruning

When economically feasible, fast-growing trees that would otherwise shorten cycle length may be controlled with a mid-cycle pruning program. Such treatments target trees that are growing significantly faster than most of the other trees on a scheduled pruning cycle, enabling a longer cycle for the remaining trees.

#### Tree Growth Regulators

Tree growth regulators (TGRs) are chemical products designed to slow tree growth. They are effective in reducing the rate of shoot growth and in reducing the volume of material that must be pruned and disposed of in the future.

TGRs sometimes are used to extend or maintain pruning cycles, often by targeting fast-growing trees. Their use has the potential to reduce the overall amount of pruning required to maintain utility corridors.

#### Recovering Overgrown Facilities

Without a cyclical pruning program, trees grow to assume their natural shape and size, often completely hiding the presence of a utility facility. This situation is inherently unsafe and poses an unacceptable threat to utility services. Such trees may require extensive pruning, or even complete removal, before the facility is sufficiently cleared (Figure 15). The results of these operations can significantly alter the appearance of trees and neighborhoods.

The cost of pruning operations in recovery situations has been shown to be significantly higher than that incurred in routine, cyclical maintenance. In addition, the costs of service interruptions, repairing damaged facilities, and associated negative publicity can be significant. Further, liability for injury, fires, and property damage can be significantly larger if it can be demonstrated that an inadequate clearance program was a contributing factor. To avoid the many problems inherent in recovering overgrown facilities, a routine maintenance program with an appropriate cycle length should be implemented.

### Palm Pruning

Many palm species grow large enough to affect utility facilities. Even palms not immediately adjacent to facilities may pose a threat because of their height and

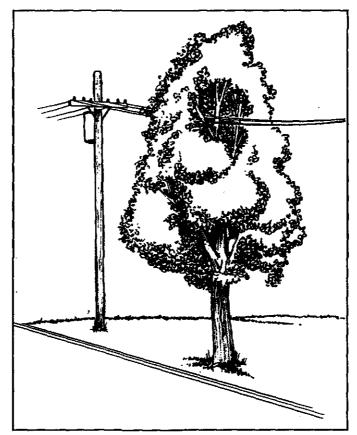


Figure 15. Trees not maintained on cycle will assume their natural form regardless of the presence of utility facilities. Recovery of the facility may require extensive pruning or tree removal.

large fronds, especially during high winds. Flexible palm stems sway, and fronds may break free and travel a considerable distance from the tree (Figure 16).

Members of the palm family (Palmae spp.) are physiologically different from other trees encountered in utility arboriculture. All upward growth in palms begins in the bud, or meristem, located at the top of the stalk, just below the point where the fronds originate. If this bud is damaged or removed, then the remaining stem will die. Therefore, palms cannot be

reduced in height or directionally pruned like other trees. Side pruning, likewise, is not recommended, because palms quickly replace pruned fronds.

The best solution for palms interfering with utility facilities is removal or relocation. Relocation should be undertaken only if the operation can be cost-effectively accomplished without further impacting the facility.

### Pruning vs. Removal

As a general rule in utility vegetation management, trees costing as much or more to prune than to remove should be removed. But there may be cases when pruning is preferred over removal, or vice versa, regardless of cost considerations. For example, local policies may give consideration to property owner preference. Under some circumstances, relocation of young, tall-growing trees may be a practical alternative to removal.

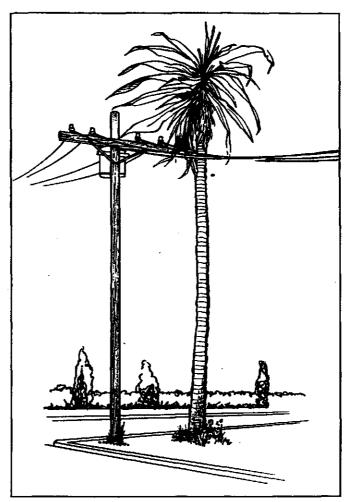


Figure 16. Palms cannot be directionally pruned and pose unique challenges because of their growth habit and large fronds.

Removing trees that otherwise must be repeatedly pruned certainly saves future maintenance dollars, even if the removal cost is considerably higher than pruning. However, when making the decision to allocate resources for removals over pruning, it is important to consider the effect of the decision on overall program objectives.

### Remote/Rural Environments

Utilities operating in remote or rural areas must frequently maintain many miles of wooded utility corridors. In such areas with high tree density, typical arboricultural practices that have been described thus far may prove impractical. For example, climbing spurs, which rarely are used for pruning in urban settings, may be acceptable for utility pruning operations in these locations. Utility arborists should carefully weigh long-term costs versus the potential impact on tree health before specifying the practices described in this section.

#### **Mechanical Methods**

In many rural locations, large-scale, mechanized operations are used to increase efficiency. Large saws are mounted on high-reaching booms to prune limbs along-side right-of-way corridors. In some areas, saws might even be suspended from helicopters.

When undertaking mechanized pruning operations, it should be understood that the cuts obtained will be of lesser quality than those obtained when cutting by hand. An effort should be made to make cuts outside the branch bark ridge and branch collar and to minimize excessive wounding to the bark and to the parent trunk or limb.

#### **Chemical Side Trimming**

Chemical side trimming is a method that applies a specific type of herbicide to selected branches along the side of a right-of-way corridor. The branches eventually die and are naturally shed by the tree. This method has been shown to be an efficient way to control branches that will not threaten facilities when they fall. To avoid future hazards, care must be taken to prevent excessive treatment.

## **Emergency Service Restoration**

#### Threat from Storms

Extreme weather, such as high winds or ice storms, often causes tree failures, which may severely impact utility facilities. Storms can be local events or can affect entire regions. The level of threat depends on the probability of severe weather occurring in an area, the tree density and species mix, and the amount of maintenance done on trees near utility facilities.

No geographical areas are completely free from the threat of storms, though some areas are more likely to experience severe storms on a regular basis. Utility storm response plans should include provisions for widespread tree failures. Additionally, a cyclical tree pruning program, using appropriate specifications, will help reduce the potential of damage to facilities caused by tree and branch failure during storms.

### **Deviation from Standards Following Storms**

Following severe storms, tree damage is often widespread, and utility services may be interrupted across a large area. At such times, government authorities or utilities may declare an emergency. Emergency service workers, including utility arborists, are likely to be involved in a coordinated effort to restore critical services. Damaged trees have the potential to imperil the safety of both the public and utility workers. To expedite restoration efforts under such urgent circumstances, it may be necessary for workers to deviate from standard pruning practices until the emergency is over and services are restored.

### **Corrective Pruning**

Following a storm emergency, the condition of remaining trees should be assessed. Ideally, this assessment will be performed by utilities, local governments, and other property owners as a coordinated effort. Corrective pruning methods should be employed when practical and should follow clearly defined goals and objectives.

## References/Suggested Reading

American National Standards Institute. 2008. American National Standard for Tree Care Operations—Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices (Pruning) (A300, Part 1). Tree Care Industry Association, Manchester, NH.

American National Standards Institute. 2006. Arboricultural Operations—Pruning, Trimming, Repairing, Maintaining, and Removing Trees, and Cutting Brush—Safety Requirements (Z133.1). International Society of Arboriculture, Champaign, IL.

Browning, D.M., and H.V. Wiant. 1997. The economic impacts of deferring electric utility tree maintenance. *Journal of Arboriculture* 23:106–112.

Clark, J.R., and N.P. Matheny. 1993. A Handbook of Hazard Tree Evaluation for Utility Arborists. International Society of Arboriculture, Champaign, IL.

Eisner, N.J., E.F. Gilman, and J.C. Grabosky. 2002. Branch morphology impacts compartmentalization of pruning wounds. *Journal of Arboriculture* 28:99–105.

Gilman, E.F., and S.J. Lilly. 2008. Best Management Practices: Tree Pruning. International Society of Arboriculture, Champaign, IL.

Harris, R.W., J.R. Clark, and N.P. Matheny. 2004. Arboriculture: Integrated Management of Landscape Trees, Shrubs, and Vines (4th ed.). Prentice Hall, Upper Saddle River, NJ.

Institute of Electrical and Electronics Engineers. 2002. National Electric Safety Code. IEEE, New York, NY.

Johnstone, R.A. 1988. Economics of utility lateral trimming. *Journal of Arboriculture* 14:74–77.

Lilly, S.J. 2010. Arborists' Certification Study Guide. International Society of Arboriculture, Champaign, IL.

O'Callaghan, D.P., and D.L. Ham (Eds.). 2002. Utility Specialist Certification Study Guide. International Society of Arboriculture, Champaign, IL.

Occupational Safety and Health Administration. 29 CFR 1910.269, Electric Power Generation, Transmission and Distribution. U.S. Department of Labor, Washington, DC.

Shigo, A. 1990. Pruning Trees Near Electric Utility Lines. Shigo and Trees, Associates, Durham, NH.

### About the Author

Geoffrey Kempter is manager of technical services for the Asplundh Tree Expert Co. in Willow Grove, Pennsylvania. He has been a utility arborist since 1989 and an ISA Certified Arborist since 1992. He serves as the Asplundh representative on the ANSI A300 Tree Care Standards Committee. Kempter is a 1981 graduate of the University of Michigan School of Natural Resources in Ann Arbor, Michigan.







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1	APPEARANCES:	rige 2 Page 4 I INDEX OF EXHIBITS
2	ALI BARANCES.	2 NUMBER DESCRIPTION MARKED Exhibit A Curriculum Vitae
3	On behalf of the Defendant:	3
4	Roetzel & Andress, by	Exhibit B February 7, 2012 Invoice 20
5	· ·	Exhibit C Diagram of Dr. Paquelet's 24  5 Property
	DENISE M. HASBROOK, ESQ. One SeaGate	6 Exhibit D Copy of a Photograph with 31
6		Labels 7
/ /	Suite 1700	Exhibit E Klyn Nurseries Advertisement 32
8	Toledo, Ohio 43604	Exhibit F ANSI Standard Safety 35  Requirements for
9	(419) 242-5243	Arboricultural Operations
10	dhasbrook@ralaw.com	10   Exhibit G ANSI Standard for Tree, 40
11	~~~~	il Shrub and Other Woody Plant Standard Practices (Pruning)
12	ALCO PRESENT	12 for Tree Care Operators
13	ALSO PRESENT:	13 Exhibit H Douglas Yates' Report 42 14 Exhibit I Douglas Yates' Report Dated 56
14	Charles Paquelet, M.D.	2/7/12
15	~ ~ ~ ~ ~ ~	Exhibit J Copy of Photograph with 60
16		16 Labels 17 Exhibit K FirstEnergy Vegetation 68
17		Management Specifications
18		Exhibit L Handwritten Notes 96
19		Exhibit M Proposal Dated 2/4/12 97
20		20 Exhibit N Interrogatory Responses 98
21		21
22		Exhibit O Rough Draft of Douglas 98 22 Yates' Report
23		23 Exhibit P Letter Dated October 16, 100 2011
24		24
25		Exhibit Q Best Management Practices 103 25 for Utility Pruning of Trees
	Pa	rge 3 Page 5
1	TRANSCRIPT INDEX	1 DOUGLAS YATES, of lawful age, called for
2		2 examination, being by me first duly sworn, as
3	APPEARANCES 2	3 hereinafter certified, deposed and said as
4		4 follows:
5	INDEX OF EXHIBITS 4	5 EXAMINATION OF DOUGLAS YATES
6		6 BY MS. HASBROOK:
7	EXAMINATION OF DOUGLAS YATES:	7 Q. We were introduced previously, but
8	By Ms. Hasbrook 5	8 I'll go ahead and do it on the record so it's
9	•	9 all in one place, but I'm Denise Hasbrook. I'm
10	REPORTER'S CERTIFICATE 110	10 one of the attorneys that represent Ohio
11		11 Edison.
12	EXHIBIT CUSTODY	We are here by mutual agreement as
13	EXHIBITS RETAINED BY COURT REPORTE	. 5
14		14 you to conduct your, we call it a discovery
15		15 deposition, correct?
16		16 A. Yes.
17		17 Q. And I don't know if you you have
18		18 done some court testimony before so I assume
19		19 you have had your deposition taken before?
20		20 A. Yes.
21		21 Q. Again, I know you know how this
22		22 works, but I'll do it again so it's on the
23		23 record. If you don't understand any of my
24		24 questions, let me know. We are in kind of a
25		25 cavernous room here, so I'll certainly speak up
/~		TZ. Z. GZIVSTIGNIN IGNIH NGTG. NO LU GGITZHUV NOGAK UD

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	Page 6	]	Page 8
1	and I would like you to do the same so we know	1	Q. Is that the edition that you sent
2	exactly what we are talking about when we are	2	to the PUCO?
3	answering questions.	3	A. No. There's a newer edition.
4	I have got some documents here	4	Q. Okay. And what edition was that?
5	today and I'll put those in front of you, a lot	5	A. What's this one?
6	of them were from your file as well and things	6	Q. That's 2002.
7	that you have seen before.	7	A. It's got to be the eighth edition,
8	If you want to take a break for any	8	I believe.
1			
9	reason, of course let me know that, too.	9	Q. Were there any other books that you
10	And then finally, the rule that Eva	10	have used that you did not bring with you?
11	will let us know if we violate is if we both	11	A. No.
12	talk together, I'm sure we will hear something	12	Q. And I'll ask you if you we will
13	from her, but I will try not to do it and I may	13	kind of get going into this and then I will
14	need to remind you to wait for my question to	14	take a little break and take a look at your
15	be fully out of my mouth before you answer and	15	files.
16	I will try to do the same thing for you. All	16	A. Okay.
17	right?	17	Q. First of all, let's start with your
18	A. Okay.	18	CV.
19	Q. Before we started, and I apologize,	19	
20	I probably should have gone through this while	20	(Thereupon, Deposition Exhibit A,
21	we were waiting for a moment for Dr. Paquelet,	21	CV, was marked for purposes of
22	did you bring your complete file with respect	22	identification.)
23	to this matter?	23	· ·
24	A. Except for the book that I gave you	24	Q. Mr. Yates, I'm going to show you
25	guys.	25	what I have marked as Defendant's Exhibit A.
-	Page 7	-	Page 9
1	Q. The one book that I have, and there	1	This is a copy of your CV, correct?
2	may be others because I know you have been	2	A. Yes.
3	dealing with other attorneys, I have the	3	Q. I see at the top there is just,
4	Guide for Plant Appraisal?	4	looks like it's written in handwriting, an 11
5	A. Yes.	5	over the 7, is that your writing?
6	Q. That's one of the books that you	6	A. Yes, that's my writing.
7	gave to her in connection with this case. Were	7	Q. Was that your way of updating it?
8	there other books?	8	A. Yes.
9	A. This other one was the Ohio book,	9	Q. So this CV as it would read as of
10	which this is 2002, and there's two revisions	10	November 1st of 2011, correct?
11	since then.	11	A. Yes.
1			
12	Q. Let me get this. This is the	12	Q. Is there anything that you would
13	Guide to Appraisal of Trees and Other Plants in	13	add to it or supplement if you were doing this
14	Ohio?	14	CV, redoing it for today?
15	A. I sent that to PUCO. I sent my	15	A. No. Everything is accurate.
16	originals to PUCO.	16	Q. Okay. Now, you previously owned or
17	Q. Did you send the originals in	17	were affiliated with Riverwood Landscape and
18	connection with your testimony, was it attached	18	Tree Service?
19	to the testimony?	19	A. Yes. I owned it.
20	A. Yes, it was attached to the	20	Q. Was that a sole proprietorship?
21	testimony.	21	A. Yes.
22	Q. This particular edition I have here	22	Q. What were the years that you owned
23	is marked "old," but says it's Sixth Edition	23	that?
24	2002.	24	A. That was I have to do my math
25	A. Correct.	25	here. Had to be I came here in 2005. From
		<u> </u>	

_	Page 10		Page 12
1	2000 through 2005.	1	the street, hazards that had to be taken down
2	Q. And is it fair to say that that	2	or removed.
3	employed about five to ten people?	3	Q. And those hazards that you were
4	A. Uh-huh.	4	referring to, would they be because they
5	Q. Okay. And what was the reason that	5	blocked visibility to drivers or because they
6	you either stopped doing business in that name	6	would fall?
7	or left that company?	7	A. More of the hazard to drivers.
8	A. It was not I was unable to be	8	Q. At any time you were doing work for
9	profitable.	9	Riverwood Landscaping services, were you
10	Q. Okay. And so for economic reasons	10	clearing for electrical lines?
11	then, did you close the business?	11	A. No.
12	A. Yes.	12	Q. Did you have any customers or
13	Q. And where was it located?	13	clients that were utilities or providers of
14	A. Kirtland, Ohio.	14	electrical service?
15	Q. And I'm not familiar, is that east	15	A. No.
16	of Cleveland?	16	Q. In doing the work for the
17	A. Yes. It's just west of here by ten	17	municipality, did you apply the National
18	miles.	18	Electric Safety Code, the NESC?
19	Q. Was it like an ornamental shrubbery	19	A. Oh, yes.
20	and tree retailer?	20	Q. Do you know what that is?
21	A. No. We mostly did tree work, going	21	A. Yes. That's the code that tells
22	out to people's houses, trimming trees and	22	how far you can work into a conductor and
23	planting trees and some shrub work, but	23	specifies the distance you can be away from it
24	minimal.	24	with your crews, because if you are not a
25	Q. Would you say that it was more of a	25	certified line clearance tree trimmer, you
	Page 11		Page 13
1	tree trimming and a removal company or a	1	cannot be within ten feet of a conductor.
2	nursery, or about half and half?	2	Q. The ten-foot rule, that's an OSHA
3	A. No. 95 percent tree service and	3	rule, right?
4	five percent nursery.	4	A. I think so.
5	Q. Who were your clients? And, again,	5	Q. The ten-foot rule is not a safety
6	· · · · · · · · · · · · · · · · · · ·		
_	I'm still talking about Riverwood Landscape, or	6	rule for the lines; it's a rule for the
7	I'm still talking about Riverwood Landscape, or customers.	7	workers, correct?
7 8	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential	7 8	workers, correct? A. Yes.
7 8 9	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We	7 8 9	workers, correct?  A. Yes.  Q. Is it your understanding that the
7 8 9 10	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.	7 8 9 10	workers, correct?  A. Yes.  Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the
7 8 9 10 11	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?	7 8 9 10 11	workers, correct?  A. Yes.  Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards?
7 8 9 10 11 12	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.	7 8 9 10 11 12	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards?  A. I thought it was in the OSHA
7 8 9 10 11 12 13	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?	7 8 9 10 11 12 13	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards?  A. I thought it was in the OSHA standards.
7 8 9 10 11 12 13 14	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and	7 8 9 10 11 12 13 14	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards?  A. I thought it was in the OSHA standards. Q. Okay. I think you are right on
7 8 9 10 11 12 13 14 15	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.	7 8 9 10 11 12 13 14 15	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because
7 8 9 10 11 12 13 14 15 16	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?	7 8 9 10 11 12 13 14 15	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC.
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7 8 9 10 11 12 13 14 15 16 17	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work,	7 8 9 10 11 12 13 14 15 16 17	workers, correct?  A. Yes.  Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards?  A. I thought it was in the OSHA standards.  Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC.  A. Okay.  Q. Now that we are kind of clear on
7 8 9 10 11 12 13 14 15 16 17 18	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?	7 8 9 10 11 12 13 14 15 16 17 18	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the
7 8 9 10 11 12 13 14 15 16 17 18 19 20	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.	7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.  Q. What were your goals, what kind of	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	workers, correct?  A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code? A. Not to my knowledge.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.  Q. What were your goals, what kind of obstructions were you clearing it for?	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code? A. Not to my knowledge. Q. Okay. Probably the word "safety"
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.  Q. What were your goals, what kind of obstructions were you clearing it for?  A. It was mostly for either diseased	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code? A. Not to my knowledge. Q. Okay. Probably the word "safety" is what got you. Sure. And what you were
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.  Q. What were your goals, what kind of obstructions were you clearing it for?  A. It was mostly for either diseased trees and removal or pruning trees that were	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code? A. Not to my knowledge. Q. Okay. Probably the word "safety" is what got you. Sure. And what you were saying is that in the OSHA context, you had to
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	I'm still talking about Riverwood Landscape, or customers.  A. I had a lot of residential customers in several cities at that time. We did the City of Euclid, Village of Bratenahl.  Q. What's that village?  A. Bratenahl.  Q. Any other?  A. Wade Hill, Kirtland Hills and Mentor.  Q. Any others that come to mind?  A. No, not that come to mind.  Q. Focusing on the municipality work, was it mainly clearing road right-of-way?  A. Yes.  Q. What were your goals, what kind of obstructions were you clearing it for?  A. It was mostly for either diseased	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes. Q. Is it your understanding that the ten-foot rule was in the NESC or is it in the OSHA standards? A. I thought it was in the OSHA standards. Q. Okay. I think you are right on that. So I just want to be clear then because my question was about the NESC. A. Okay. Q. Now that we are kind of clear on that, did you apply or use the NESC, the National Electrical Safety Code? A. Not to my knowledge. Q. Okay. Probably the word "safety" is what got you. Sure. And what you were

	Page 14	T :	Page 16
1	enough away from those lines so that they	1	Q. I do want to focus on the last
2	wouldn't get hurt anybody?	2	paragraph where it says you have testified as
3	A. Correct.	3	an expert witness in the courts of Lake, Geauga
4	Q. But in your trimming, you were not	4	and Cuyahoga Counties. What kinds of cases
5	ever trying to maintain or trying to get a	5	were those cases?
6	certain clearance around electrical lines, you	6	A. Those were all tree related cases.
7	were not doing that kind of work?	7	Q. Can you be more specific? First of
8	A. Correct.	8	all, how many times have you testified as an
9	Q. What was your particular role? I	9	expert witness?
10	know you were an owner of the company, but in	10	A. Probably 30 times.
11	doing the work for the municipalities, taking	11	Q. Is there any one of those counties
12	away the diseased trees, what was your role?	12	that you testified in more than the other?
13	A. I was the manager. I generally	13	A. Mostly Lake County.
14	prepared the bids, and in some cases, do	14	Q. What were the kinds of
15	the hard to say.	15	controversies that you provided expertise for?
16	Q. What do you mean, do the work?	16	A. Mostly property line disputes. A
17	A. No. No. No. I managed the work.	17	couple utility disputes. One was CEI against
18	<ul> <li>Q. Did you do it according to certain</li> </ul>	18	one of my clients in Perry who CEI cut down a
19	specifications that the cities have?	19	cherry tree in their backyard and it was
20	A. Yes. Most cities write their own	20	clearly not within CEI's right-of-way.
21	specifications that are based on some of the	21	Q. It was neither on the right-of-way
22	guidelines that we are talking about here.	22	nor on the easement?
23	Q. Okay, but the difference is none of	23	A. It was not on the easement.
24	those guidelines had to do with how far they	24	Q. What was your role? You are not a
25	had to be away from the electrical lines?	25	real property expert.
	Page 15	1	Page 17
1	A. Correct.	1	A. No. My role was to determine the
3	Q. But they would have certain specifications so that they would get what they	2 3	value of the tree.
4	were paying for, they wanted certain kinds of	4	Q. Okay. Would that be true in the utility disputes, all of them, that your role
5	trees removed?	5	was to determine the value of the tree that was
6	A. Right.	6	wrongfully removed?
7	Q. In connection with that business	7	A. Correct.
8	failure, and you told us that in 2005 you	8	Q. Did you ever provide testimony on
9	decided it wasn't economically feasible to	9	how far the company should trim the electric
10	continue with that business, did you file a	10	utility should trim in relation to its wires in
11	bankruptcy?	11	any of those cases?
12	A. Yes.	12	A. No, never.
13		13	Q. And the property line cases that
	O. And that was a personal pankrupiev.	1 1 - 1	
i	Q. And that was a personal bankruptcy, correct?		
14	correct?	14	you testified for, that would be just tell
14 15	correct? A. Yes.		
14 15 16	correct?  A. Yes. Q. Would you say that the reason for	14 15	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then
14 15	correct? A. Yes.	14 15 16	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?
14 15 16 17	correct?  A. Yes.  Q. Would you say that the reason for the bankruptcy was the failure of this	14 15 16 17 18	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree.
14 15 16 17 18 19	A. Yes. Q. Would you say that the reason for the bankruptcy was the failure of this business? A. Yes.	14 15 16 17 18 19	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree. Q. You were not there to say this is
14 15 16 17 18	A. Yes. Q. Would you say that the reason for the bankruptcy was the failure of this business? A. Yes. Q. I assume that everything on	14 15 16 17 18	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree.
14 15 16 17 18 19 20	A. Yes. Q. Would you say that the reason for the bankruptcy was the failure of this business? A. Yes. Q. I assume that everything on your I won't go through everything that's	14 15 16 17 18 19 20	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree. Q. You were not there to say this is where the property ends and this is where it
14 15 16 17 18 19 20 21	A. Yes. Q. Would you say that the reason for the bankruptcy was the failure of this business? A. Yes. Q. I assume that everything on	14 15 16 17 18 19 20 21	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree. Q. You were not there to say this is where the property ends and this is where it starts?  A. No.
14 15 16 17 18 19 20 21 22	A. Yes. Q. Would you say that the reason for the bankruptcy was the failure of this business? A. Yes. Q. I assume that everything on your I won't go through everything that's written on Exhibit A, but everything is correct	14 15 16 17 18 19 20 21 22	you testified for, that would be just tell me what the nature of your testimony would be with that. Like was a tree removed and then you were again talking about the value?  A. Right. The value of the tree. Q. You were not there to say this is where the property ends and this is where it starts?

		D10	Τ	P 20
1	Q.	Page 18 That CEI case?	1	Page 20 consult with them on.
2	Q. A.	Yes.	2	
3			3	A. I rewrote the tree management plan
4	Q.	What was the amount of controversy, id you say the value of the tree should	4	two years ago.
5	be?	id you say the value of the free should	5	Q. Tell me what you mean by a "tree
1 .		I don't recall. It was more than	1	management plan."
6	A.		6	A. It's a document that puts in effect
7	-	ars ago, but it was in the ballpark of	7	all of the items that I want to be represented
8	-	ly 1,500, maybe 2,000.  Was it more than one tree or one	8 9	based on the tree lawn trees in Willoughby so
10	Q. tree?	was it more than one tree or one	i .	that there is a standard of pruning and a
		Om a true a	10	standard of removal and a standard for planting
11	A.	One tree.	11	and a standard for all of the stuff that goes
12	Q.	How did that case end?	12	on, insect problems, disease problems, hazard
13	A.	CEI paid.	13	problems.
14	Q.	In connection with that case, did	14	Q. And is this mainly for esthetics of
15		ve any reason to review the vegetation	15	the community?
16		ement specifications or policies of the	16	A. Yes.
17	compai	- <del>-</del>	17	Q. And safety, because you need to get
18	A.	I did review it at that time, yes.	18	rid of the bad ones?
19	Q.	Did you provide testimony on that	19	A. Right.
20		your testimony	20	
21	Α.	No. My testimony was strictly on	21	(Thereupon, Deposition Exhibit B,
22	the value	•	22	February 7, 2012 Invoice, was marked
23	Q.	Strictly on the value?	23	for purposes of identification.)
24	A.	Right.	24	
25	Q.	And then what did you do between	25	Q. Mr. Yates, I'll show you what I
	n:	Page 19		Page 21
1		ood Landscape and your current you are	1	have marked Defendant's Exhibit B and ask if
2		y employed with?	2	you recognize this as the invoice you gave to
3		Klyn Nurseries.	3 4	Dr. Paquelet in connection with this case.  A. Yes.
5		Could spell that for the record?  K-L-Y-N, Nurseries.	5	
		•		Ç
6		When did you start working here?	6	at the top, was prepared on February 7 of 2012;
8		Five years ago.	8	is that correct?  A. Correct.
1		Did you go right to here from	9	· · · · · · · · · · · · · · · · · · ·
9	and the second second	No. I did consulting for a year the time I left Riverwood.	10	Q. And as of that time, you had done eight hours of work at \$100 an hour for a total
11		What type of consulting?	11	of \$800, correct?
12			12	A. Correct.
13		Tree consulting.	13	
14		Would that be regarding tree s or which trees should be removed or	14	Q. Was the invoice paid? A. Yes.
15		s or which trees should be removed or ls of trees?	15	Q. Have you issued any additional
16		A little bit of everything. I'm a	16	invoices to Dr. Paquelet?
17		ng arborist for the City of Willoughby	17	A. Not yet.
18		nat, I get a certain stipend every	18	Q. How many more hours have you put
19		olus I also can generate some extra	19	in, approximately, since February of 2012?
20		every once in a while based on stuff,	20	A. About three.
21	like tree	•	21	Q. About three more hours than what's
22		So your consulting contract with	22	on here?
23		of Willoughby, is it still in force?	23	A. Yes.
24	-	Yes.	24	Q. Would those be three hours in
25		Tell me what kinds of projects you	25	connection with writing your testimony?
200	٧٠	Ton the what killes of projects you	23	connection with whiting your resultions:

	Page 22	2	Page 24
1	A. Yes.	1	Diagram of Dr. Paquelet's Property,
2	Q. Had your report been written by	2	was marked for purposes of
3	this time, by February 7 of 2012?	3	identification.)
4	A. Yes.	4	* * * * *
5	Q. So the report preparation, that's	5	Q. Mr. Yates, I'm going to show you
6	what's in here?	6	what I have just marked Defendant's Exhibit C.
7	A. That's all that's in there.	7	And this was in the file that was given to me
8	Q. And so have you done anything other	8	by FirstEnergy and I don't know where it came
9	than what we see here that's listed on Exhibit	9	from. Is this your writing?
10	B and then drafting your testimony?	10	A. No. This is Dr. Paquelet's.
11	A. No.	11	Q. Was this given to you in connection
12	Q. Have you ever been to	12	with your work on the case?
13	Dr. Paquelet's property?	13	A. Right. The first meeting we had,
14	A. No, I have not.	14	we prepared this document so I can have a
15	Q. And that includes, just so we are	15	better sense of how far the tree was away from
16	clear, you were not there before you wrote the	16	· · · · · · · · · · · · · · · · · · ·
17	report, you were not there before you drafted	17	the pole primarily and where the electrical line was.
18	the testimony?	18	
19	A. No.	19	Q. It's your understanding that this would be a diagram of Dr. Paquelet's
20		ı	
Į.	<ul><li>Q. You were never there?</li><li>A. Never there.</li></ul>	20	property
21		21	A. Correct,
22	Q. For the additional approximately	22	Q as drawn by him?
23	three hours' work that you did, did you	23	A. Correct.
24	generate an additional you have not yet	24	Q. That eight foot there that's
25	gotten to the invoice yet?	25	between the pole and the beech, you have never
1	Page 23		Page 25
1	<ul><li>A. No, no.</li><li>Q. And we can go off well, let's</li></ul>	1	verified that?
2	· · · · · · · · · · · · · · · · · · ·	2	A. No, but Dr. Paquelet says that he
3	just say this on the record, but when you do	. 3	did measure it and it's actually 11 feet, not 8
4	that, the invoice for your time here is paid by	4	feet.  Q. And that's one of the rounds of
5	us.	5	
6	A. Okay.	6	questions I had for you because in your report
7	Q. So you will want to separate that	7	you said that it was 8 feet and then in your
8	out when you do that, and if you want to give	8	testimony you said it was 11 feet.
9	it to Dr. Paquelet, he can give it to me or	9	A. Yeah.
10	whatever, but that's separate.	10	Q. Now, you have no personal knowledge
11	A. Okay.	11	either way?
12	Q. And your testimony time will be the	12	A. I have not seen it.
13	same, your rate, will that also be \$100 per	13	Q. But why did it change between the
14	hour?	14	report and the testimony?
15	A. My rate is \$150 an hour for	15	A. My guess is that he estimated it when it was 8 feet and then he measured it and
16	testimony.	16	
17	Q. For deposition like we are in	17	it was 11.
18	today?	18	Q. Is that what he told you or is that
19	A. Right.	19	what you are just
20	Q. Do you plan to do any other work	20	A. Yes.
2.1	between now and the hearing when it is	21	Q. Okay. So for purposes of your
21		22	testimony, he told you to assume it was 11
22	scheduled June 14 of next week?		
22 23	A. Probably not.	23	rather than 8?
22			

But doing that, you don't know what

25

My question that I was saying is

25

		T	
1	Page 30	١,	Page 32 A. No.
$\frac{1}{2}$	their clearance requirements are, you are not	1	
2	an expert on that?	2	Q. Did you utilize the document or any
3	A. No.	3	of the information on it for forming your
4	Q. For the municipality, what makes it	4	opinions?
5	different working for them than any other	5	A. No.
6	commercial customers, is it the red tape?	6	Q. Well, that saves a lot of
7	A. It's the red tape. There is a lot	7	questions.
8	of red tape in any government entity and it's	8	
9	just knowing how to navigate through that.	9	(Thereupon, Deposition Exhibit E,
10	Q. And when did you obtain that	10	Klyn Nurseries Advertisement, was
11	certification?	11	marked for purposes of
12	A. The first year it was offered I	12	identification.)
13	think four years ago, five years ago.	13	* • • •
14	Q. And is that something that is	14	Q. I'm going to show you what is
15	required for your Village of Willoughby Hills?	15	Exhibit E and this is a document that I have
16	A. No, it's not a requirement.	16	pulled out and I don't even know why. Do you
17	Q. Now, this as a municipal specialist	17	have a connection with this document well, I
18	is not the same thing as being a qualified line	18	know why, because on the last page Klyn
19	clearance arborist, is it?	19	Industries is all over the commercial on that.
20	A. No.	20	Do you see that on the last page?
21	Q. And you are not a qualified	21	A. I see that.
22	A. No.	22	Q. And I guess that led to my question
23	<ol><li>Q. Let me get my whole question out.</li></ol>	23	because your name was on it and it's promoting
24	You are not a qualified line	24	you as a board certified master arborist for
25	clearance arborist, are you?	25	municipal specialty that we talked about.
	· · · · · · · · · · · · · · · · · · ·		
	Page 31	}	Page 33
1	Page 31 A. No.	1	Page 33 Did you have any input into
1 2	A. No.  Q. Are you familiar with that term as	1 2	· · · · · · · · · · · · · · · · · · ·
1	A. No.	!	Did you have any input into
2	A. No.  Q. Are you familiar with that term as	2	Did you have any input into drafting this article, the full article itself?
2 3	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.	2 3	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.
2 3 4	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D,	2 3 4	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?
2 3 4 5	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.	2 3 4 5	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.
2 3 4 5 6	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D,	2 3 4 5 6	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.
2 3 4 5 6 7	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels,	2 3 4 5 6 7	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually. Q. Okay.
2 3 4 5 6 7 8	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of	2 3 4 5 6 7 8	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually. Q. Okay. A. I should.
2 3 4 5 6 7 8 9	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of	2 3 4 5 6 7 8 9	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually. Q. Okay. A. I should. Q. I would expect you would recognize
2 3 4 5 6 7 8 9	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)	2 3 4 5 6 7 8 9	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This
2 3 4 5 6 7 8 9 10	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This	2 3 4 5 6 7 8 9 10	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?
2 3 4 5 6 7 8 9 10 11 12	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my	2 3 4 5 6 7 8 9 10 11 12	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.
2 3 4 5 6 7 8 9 10 11 12 13	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do	2 3 4 5 6 7 8 9 10 11 12 13	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your
2 3 4 5 6 7 8 9 10 11 12 13 14	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this?	2 3 4 5 6 7 8 9 10 11 12 13 14	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this? A. Yes. This came from us.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?  A. Yes. My boss realizes that he
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this? A. Yes. This came from us. Q. "Us" meaning Klyn Nursery?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?  A. Yes. My boss realizes that he doesn't pay as well as he should or could, but
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this?  A. Yes. This came from us. Q. "Us" meaning Klyn Nursery? A. No. Dr. Paquelet. These were his	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?  A. Yes. My boss realizes that he doesn't pay as well as he should or could, but it's a very bad economy right now and he is
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this? A. Yes. This came from us. Q. "Us" meaning Klyn Nursery? A. No. Dr. Paquelet. These were his photographs that I copied based on to give you everything we have got. Q. You just held it up and I'm sure	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?  A. Yes. My boss realizes that he doesn't pay as well as he should or could, but it's a very bad economy right now and he is very upfront about me doing consulting work on the side and getting paid what I was getting paid 20 years ago for it.  Q. So any work that you would get as a
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. No. Q. Are you familiar with that term as used in ANSI 133.1? A. Yes.  (Thereupon, Deposition Exhibit D, Copy of a Photograph with Labels, was marked for purposes of identification.)  Q. We are up to Exhibit D here. This is something else that is just somewhere in my file and I don't know where it came from. Do you recognize this?  A. Yes. This came from us. Q. "Us" meaning Klyn Nursery? A. No. Dr. Paquelet. These were his photographs that I copied based on to give you everything we have got. Q. You just held it up and I'm sure somewhere in my file I have a color photo as well, this is just a black and white version. A. Right.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Did you have any input into drafting this article, the full article itself?  A. The article about the million trees?  Q. Yes.  A. No. I haven't read it, actually.  Q. Okay.  A. I should.  Q. I would expect you would recognize it if you did. I was a little unclear. This is simply a paid ad?  A. Right.  Q. And is this how you promote your expertise, by paid ads in publications?  A. Yes. My boss realizes that he doesn't pay as well as he should or could, but it's a very bad economy right now and he is very upfront about me doing consulting work on the side and getting paid what I was getting paid 20 years ago for it.  Q. So any work that you would get as a result of this ad, for example, would be separate?
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	Page 34		Page 36
1	doing in connection with this case, too?	1	and classes about, usually put on by CEI, about
2	A. Correct.	2	staying away from conductors, mostly.
3	Q. Are you an actual employee of Klyn?	3	Q. And that would go in more with that
4	A. Yes.	4	ten-foot rule that we talked about with OSHA?
5	Q. Or are you a contractor?	5	A. Right.
6	A. I'm employed by Klyn Nurseries.	6	Q. Now, and don't get rid of that just
7	Q. And you have been an employee then	7	yet.
8	since?	8	A. Okay.
9	A. Five years.	9	Q. If you would pull up page 34 again,
10	Q. 2007?	10	which is in Defendant's Exhibit F, looking at
11	A. Yes.	11	qualified arborists, just a couple definitions
12		12	up, you are a qualified arborist, correct?
13	•	13	A. Correct.
14	Klyn. How many employees do they have?  A. They have about 90 employees. It's	14	
		15	Q. Now, are you aware that ANSI standard 300 only allows a qualified line
15	seasonal. He has about 30 people that he carries through the winter.	16	clearance arborist to work where an electrical
16	· ·	17	hazard exists?
17	Q. What is your primary duty here as	18	A. Yes.
18	an employee?  A. I'm in sales.	19	
19		20	Q. So by implication, you are not qualified to work there?
20			•
21	A. Sales of trees, shrubs, perennials	21	
22	and landscape plants.	22	Q. Now, I think you mentioned just a
23	Q. Do you do any consulting work as an	23	moment ago, but the International Society of
24	employee for Klyn?	24	Arboriculture, the ISA, is a recognized
25	A. No, I do not.	25	authoritative agency for arborist
1	Page 35	1	Page 37 certifications, correct?
1 2	(Thorowan Donogition Exhibit E	2	A. Yes.
3	(Thereupon, Deposition Exhibit F, ANSI Standard Safety Requirements	3	Q. And that's where you got your
4	for Arboricultural Operations, was	4	certified arborist certificate through them,
5	marked for purposes of	5	correct?
1	identification.)	6	A. Correct.
6	identification.)	7	
7	O Charries you what I have made d	1.	<ul><li>Q. When did you pass the examination?</li><li>A. 1974.</li></ul>
8	Q. Showing you what I have marked	8	
9	Defendant's Exhibit F, and we have just	1	*
10	referred to that a moment ago. This is a copy	10	the first time it was offered?  A. Right.
11	of ANSI 133.1, the 2006 version. You said that	11	
12	you were familiar with it?	12	Q. Do you know how many people have
13	A. Yes.	13	that licensure?
14	Q. And focusing on the and this is	14	A. Right now, I think there is 46,000
15	just an excerpt, obviously, but the page that	15	in the country.
16	we have, which is 34 from the edition, talks	16	Q. And you have maintained that
17	about the qualified line clearance arborist.	17	licensure, correct?
18	And you said a moment ago you were familiar	18	A. Maintained that since.
19	with this and you do not qualify as a line	19	Q. And once you received that
20	clearance arborist, correct?	20	certification, you have to do 30 hours of
21	A. Correct.	21	continuing education every three years?
22	Q. Have you had any training in the	22	A. Right.
23	equipment or hazards in line clearance as it	23	Q. And you have maintained that?
24	relates to trees?	24	A. Right. But with the board
25	<ul> <li>A. Yes. I have had several seminars</li> </ul>	25	certified master arborist, I have to have 60

		<u> </u>	
1	Page 38 hours of education and the municipal adds 12 to	1	Page 40 build buildings, but part of what they do is
2	that, so now it's 72.	2	
	•	3	I managed the tree and landscape division for them for 20 years.
3	Q. When did you obtain the master certification?	1	· · · · · · · · · · · · · · · · · · ·
4		4	Q. And does that mean that you were
5	A. That was the first time it was	5	helping them to landscape their projects after
6	offered as well and that was eight years ago.	6	they were complete?
7	Q. Now, the ISA also has a certified	7	A. No. It was a separate division
8	utilities specialist designation.	8	maintained by the same bean counters, but it's
9	A. Right.	9	still within the realm of JTO's scope.
10	Q. And you do not have that?	10	Q. So what years were you affiliated
11	A. I do not have that.	11	with JTO?
12	Q. And since you are not certified in	12	A. 1975 to '95. My numbers might be
13	that area, can I assume that you haven't	13	getting mixed up there a little bit. It was a
14	attended any continuing education on new	14	long time ago.
15	methods or industry practices for utility	15	Q. All right. In the course of your
16	specialists?	16	former business where it was really more
17	A. Correct.	17	involved in tree trimming, you said like 90
18	Q. You have never worked for a utility	18	percent, were you ever involved in trimming a
19	company, right?	19	tree for the purpose of maintaining adequate
20	A. No.	20	clearance near an electric line?
21	Q. You have worked as a consultant, as	21	A. No.
22	a liaison with CEI as we talked about, correct?	22	
23	A. Right. Right.	23	(Thereupon, Deposition Exhibit G,
24	Q. Have you ever attended any seminars	24	ANSI Standard for Tree, Shrub and
25	or classes on proper utility line clearance for	25	Other Woody Plant Standard Practices
	Page 39		Page 41
1	various voltages of lines?	1	(Pruning) for Tree Care Operators,
2	A. No.	2	was marked for purposes of
3	Q. I have looked at some of your	3	identification.)
4	articles. I don't see that any of your	4	
5	articles have to do with utility line	5	Q. We now are putting in front of you
6	clearances. You have never authored any papers	6	Exhibit G, and I assume that we have already
7	on that subject, have you?	7	established you're familiar with ANSI 300,
8	A. No.	8	correct?
9	Q. Which makes sense if you are not an	9	A. Yes.
10	expert in it, right?	10	Q. Obviously, this is excerpts from
11	A. Right.	11	it. Do you understand the 2008 edition to be
12	Q. Have you ever consulted, either in	12	the most recent edition?
13	your former business or today, when you are	13	A. Yes.
14	doing this consulting on the side, have you	14	Q. So looking at Section 4, it's on
15	ever consulted for a public utility?	15	the first page that I have there, the excerpt,
16	A. No.	16	it's Section 4.57 where it says Utility Space.
17	Q. Have you ever consulted for any	17	This is not something that you have dealt with
18	electrical utility that was engaged in a	18	in your experience, been tested on or had
19	forestry program?	19	training on, is it?
20	A. No.	20	A. No.
21	Q. I saw something on your resume, I	21	Q. So you couldn't be able right now
22	believe it was in your CV, JTO, Inc.	22	to tell me what the physical area, or the
23	A. Yes.	23	utility space is as it's defined would be for a
24	Q. What is that?	24	72 volt line, for example?
25	A. It's a construction company. They	25	A. Correct.
23	A. It's a construction company. They	رد	A. Conce.

	Page 42	<del>                                     </del>	Page 44
1	Q. Now, looking at the second page,	1	existed?
2	utility pruning section, I have several	2	A. No.
3	sections there from Section 9. Are you	3	Q. I would like you to look at 9.3 and
4	familiar with that subsection of ANSI A300?	4	that deals with utility crown reduction
5	A. I'm sorry, where are you at?	5	pruning. Do you see that?
6	**	6	A. Yes.
7	Q. In your exhibit, it would be the second page where it says Utility Pruning.	7	O. There are several sections under
8		8	that. And under 9.3.1.1, which is just two
9	A. Okay.	9	underneath it, it says, "Pruning cuts should be
1	Q. And the question is if you are familiar with this subsection of ANSI A300?	10	· • • • • • • • • • • • • • • • • • • •
10		11	made in accordance with subclause 5.3," which we don't have there.
11	A. No.		
12	Q. Now, in your report and here,	12	Now, "should" is not mandatory as
13	let's get your report in front of you so you	13	it is stated under ANSI A300, right?
14	have got a nice, clean copy to work with.	14	A. Correct.
15		15	Q. When you have to do something, it's
16	(Thereupon, Deposition Exhibit H,	16	gong to say "shall" or "must," won't it?
17	Douglas Yates' Report, was marked	17	A. Yes.
18	for purposes of identification.)	18	Q. And also, before we move on, the
19		19	purpose of utility pruning under 9.1 is to
20	Q. I'm showing you what we just marked	20	prevent loss of service as stated in what you
21	Exhibit H and this is the report that you	21	say is the authoritative guide, ANSI A300 part
22	authored in connection with this case on	22	1, right?
23	February 7, 2012, correct?	23	A. Yes.
24	A. Correct.	24	Q. So in rendering your opinions in
25	Q. And that is the same report that a	25	connection with this case, you are not taking
	Page 43		Page 45
.1	few moments ago when Dr. Paquelet showed you a	1	into account any aspects of loss of utility
2	page, it was the second page of this report,	2	service, are you?
3	Defendant's Exhibit H, correct?	3	A. No.
4	A. Correct.	4	Q. And then it says that purpose, and
5	Q. I would like you to look at the	5	this again is the authoritative guide stated in
6	second page of your report towards the top.	6	your report, says that it is to comply with
7	The first, I believe it would be the first full	7	mandated clearance laws also. And we have
8	sentence, the International Society of	8	already established the NESC as a mandatory
9	Arboriculture Guide called Best Management	9	clearance law is not something you have ever
10	Practices for Utility Pruning of Trees is the	10	read or are familiar with, right?
11	ANSI A300 part 1, correct?	11	A. Correct.
12	A. Correct.	12	Q. And you are not offering your
13	Q. Is that what we have here, a	13	opinions with any consideration of preventing
14	subsection of that, then, is what we have in	14	damage to the company's equipment or
15	Defendant's Exhibit G, correct?	15	maintaining access, correct?
16	A. Correct.	16	A. Correct.
17	Q. And so you refer to it in your	17	Q. You are not offering any opinions
18	report, but the particular section that deals	18	with the intention of dealing with the stated
19	within that guide that you say is the	19	purpose of ANSI, that the trimming is to uphold
20	authoritative practices of utility pruning, you	20	the intended usage of the facility and utility
21	had never seen, correct?	21	space, right?
22	A. Correct.	22	A. Yes.
23	Q. Were you aware, before I just	23	Q. And we just established that you
24	showed it to you, that subsection 9 with	24	didn't know what that utility space would even
25	multiple sections on utility pruning even	25	be for this line, right?
ر سا			

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1	A. Correct.	1	a particular method of pruning?
2	Q. And all of this, according to the	2	A. Yes.
3	stated purpose, has to be done while the	3	Q. Okay. Then what do you base that
4	company is adhering to the accepted tree care	4	on?
5	performance standards, right?	5	A. Based on the document.
6	A. Yes.	6	Q. And so that particular method of
7	Q. As you read this with all of your	7	pruning would be what?
8	experience, do you understand this to mean that	8	MS. HASBROOK: Dr. Paquelet, I
9	there's competing principles and purposes here?	9	don't know if you are pointing with your pen
10	A. Yes.	10	there or what, but we can't be giving any
11	Q. Only one of which is to adhere to	11	DR. PAQUELET: I'm not.
12	the accepted tree care performance standard,	12	MS. HASBROOK: You are tapping your
		Į.	
13	while all those other things are going on, is	13	pen on a specific document? I just wanted to
14	that fair?	14	be sure. I'm not sure from over here.
15	A. Yes.	15	A. I guess what you are asking is that
16	Q. Now I would like you to turn the	16	the purpose of utility pruning is to prevent
17	page to the second to the last page. There is	17	the loss of service, comply with mandated
18	another provision in ANSI A300 which is quoted	18	clearance laws and prevent damage to equipment,
19	in your report, at least that standard is, this	19	maintain access and uphold the intended usage
20	subsection under 9.3.1.3 deals with trees	20	of the facility utility space while adhering to
21	directly growing under and growing into	21	accepted tree care performance standards.
22	facility utility spaces should be removed or	22	Q. Right. And in doing that, is the
23	pruned. Do you see that?	23	utility company required to do that by using
24	A. Yes.	24	any particular method of pruning or removal?
25	Q. But you are offering no opinions on	25	A. They are required to not cause
	Page 47		Page 49
1	whether this tree does or does not fall into	1	damage to the tree as they do their pruning.
2	9.3.1.3 because you have never seen it before,	2	Q. And show me in the subpart ANSI
3	right?	3	A300 that specifically applies to utility
4	A. Correct.	4	pruning that states that.
5	Q. Then going over to the last page,	5	A. Okay. 9.3.1.5, "Tree branches
6	and this is what I think we just established	6	shall be removed in such a manner so as not to
7	and you agreed with me that the interpretations	7	cause damage to other parts of the tree or
8	that apply when it says "should" is an advisory	8	other plants or property. Branches too large
9	recommendation, correct?	9	to support with one hand shall be precut to
10	A. Correct.	10	avoid splitting the wood or tearing the bark.
11	Q. Are you aware as you sit here today	11	Where necessary, ropes or other equipment shall
12	as to whether the ANSI standards for utility	12	be used to lower branches or portions of
13	pruning prohibit utility crown reduction	13	branches to the ground."
14	pruning or any other method of pruning as long	14	Q. Okay. That has to do with only
15	as the clearance laws are upheld?	15	removing tree branches, right, a method of
16	A. Yes.	16	removing tree branches?
17	Q. What is that?	17	A. Yes.
18	A. What do you mean?	18	Q. But that section does not state the
19	Q. Maybe I didn't understand your	19	particular type of pruning that is being done;
20	question. Let's read it again so we both know	20	it doesn't state whether it's utility crown
21	we're saying.	21	reduction pruning or directional pruning, does
22	(The record was read.)	22	it?
23		23	' A. No.
		23 24	1
24	that in effectuating the purposes that we just		Q. All right. And, in fact, we
25	looked at under 9.1, that the utility must use	25	established up under 9.3.1.1 that pruning cuts

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should be made in accordance with subclause 5.3	1	your report?
		A. Yes.
	1	Q. It's between the equipment or the
A. Yes.		actual pole and the beech tree, right?
O. And "should" we said is not	i	A. Correct.
•	Į.	Q. Now, the beech tree obviously has
	_	branches. Do you know if any of the branches
*		are directly under the utility line that comes
·	1	off the pole?
		A. No, I do not.
·	ł	Q. Looking at your report, and I can't
	f	remember what we marked that as, but do you
-		have it in front of you? Here it is.
· · · · · · · · · · · · · · · · · · ·	]	Defendant's Exhibit H. On page 2 right under
		the sentence that I read before where you say
•		ANSI A300 part 1 is the national standard, then
	ł	you go on and say, "This is the national
·		standard that Ohio Edison claims to follow."
"shall."	19	A. Correct.
O. I'm going to go back to the	20	Q. Now, do you know if Ohio Edison
	21	follows Section 9 or some other section?
- · · · · · · · · · · · · · · · · · · ·	22	A. No. I have got the vegetation
A. Yes.	23	management policy here and I have highlighted
O. Okay. That says, and that's the	24	the areas where they say that they are
section we were talking about, "Pruning cuts	25	following A300 standards.
Page 51		Page 53
should be made in accordance with subclause 5.3	1	Q. My question is, when Ohio Edison
pruning cuts."	2	says that it's following ANSI A300 standard, we
Do you see that?	3	were reading from ANSI A300, right?
A. Yes, I see that.	4	A. Yes.
Q. So at least in that section, how	5	Q. Do you know if Ohio Edison or
the pruning cuts are made are advisory only,	6	FirstEnergy is following Section 9 that we read
correct?	7	from, the section that's stated utility
A. Yes.	8	practices?
Q. Did this tree grow directly under	9	A. No. I have no way of knowing if
the line?	10	they are following the standard or not. I only
		know what their policy says.
Q. How do you know that?		Q. Okay. And does their policy state
<u> •</u>		a particular section within ANSI A300 that they
	14	are following?
` .	i	A. No. What it says is, "All pruning
<del>-</del>	ļ	shall be done in accordance with modern
<u>-</u>	ŀ	arboricultural standards, including the ANSI
right here?	18	A300 standards and amendments, directional
<del>-</del>	19	pruning is the preferred method of clearance.
A. Yes.		
<ul><li>A. Yes.</li><li>Q. This is the electric line.</li></ul>	20	Wherever possible, contractor shall gain
<ul><li>A. Yes.</li><li>Q. This is the electric line.</li><li>A. Yes.</li></ul>	20 21	clearance for this manner, drop crotch pruning
<ul><li>A. Yes.</li><li>Q. This is the electric line.</li><li>A. Yes.</li><li>Q. And the eight feet looks to me to</li></ul>	20 21 22	clearance for this manner, drop crotch pruning will be used, pruning cuts are to be made back
<ul> <li>A. Yes.</li> <li>Q. This is the electric line.</li> <li>A. Yes.</li> <li>Q. And the eight feet looks to me to</li> <li>be a line between the beech tree and the pole.</li> </ul>	20 21 22 23	clearance for this manner, drop crotch pruning will be used, pruning cuts are to be made back to the main stem to a lateral, which is at
<ul><li>A. Yes.</li><li>Q. This is the electric line.</li><li>A. Yes.</li><li>Q. And the eight feet looks to me to</li></ul>	20 21 22	clearance for this manner, drop crotch pruning will be used, pruning cuts are to be made back
	that, you understand that deals with pruning cuts, right?  A. Yes. Q. And "should" we said is not mandatory, correct? A. I'm still not sure. Q. Let's look at page 13, the last page of ANSI A300. C-1, Interpretation of "should" in ANSI A300 Standards. "An advisory recommendation is the common definition of 'should' used in the standards development community and in the common definition of 'should' used in ANSI standards."  Does that refresh your recollection that "should" is not mandatory?  A. No. That reinforces my point that tree branches shall be removed because it says "shall."  Q. I'm going to go back to the question that I asked you, and we were talking about 9.3.1.1. Do you see that? A. Yes. Q. Okay. That says, and that's the section we were talking about, "Pruning cuts  Page 51 should be made in accordance with subclause 5.3 pruning cuts."  Do you see that? A. Yes, I see that. Q. So at least in that section, how the pruning cuts are made are advisory only, correct? A. Yes. Q. Did this tree grow directly under the line? A. No. Q. How do you know that?	that, you understand that deals with pruning cuts, right?  A. Yes. Q. And "should" we said is not mandatory, correct? A. I'm still not sure. Q. Let's look at page 13, the last page of ANSI A300. C-1, Interpretation of "should" in ANSI A300 Standards. "An advisory recommendation is the common definition of 'should' used in the standards development community and in the common definition of 'should' used in ANSI standards."  Does that refresh your recollection that "should" is not mandatory?  A. No. That reinforces my point that tree branches shall be removed because it says "shall."  Q. I'm going to go back to the question that I asked you, and we were talking about 9.3.1.1. Do you see that? A. Yes. Q. Okay. That says, and that's the section we were talking about, "Pruning cuts  Page 51 should be made in accordance with subclause 5.3 pruning cuts."  Do you see that? A. Yes, I see that. Q. So at least in that section, how the pruning cuts are made are advisory only, correct?  A. Yes. Q. Did this tree grow directly under the line? A. No. Q. How do you know that? A. Because Dr. Paquelet said it was either 8 or 11 feet away from the line. Q. Let's pull out that, this one right here that we looked at. Now I'm looking at

	······································		
,	Page 54	,	Page 56  O Wait Okay you can finish Go
1 2	edge of the clearing limits. Pruning shall be done in a manner that will promote growth away	1 2	Q. Wait. Okay, you can finish. Go ahead.
3	in the power lines."	3	A. As a person who speaks for the
4	Q. Okay. And so that does not state a	4	trees, that's what I do. I'm an arborist.
		5	Q. And in speaking for the trees, your
5	particular section of the ANSI A300, right?	6	personal opinion on this issue is not based on
6 7	<ul><li>A. No, it does not.</li><li>Q. Would you agree that the ANSI</li></ul>	7	any industry standard, rule or guideline, is
	• •	8	it?
8	standard that they are using is Section 9, the	9	A. Correct.
10	one that you never read before today?  A. Yes.	10	
11		11	Q. Keep your report handy out there because now we are going to kind of look at
	Q. But you cited on page 12 of the	12	· ·
12 13	guide and that's is that where you were just	13	that and compare it to your testimony, so let
ŀ	reading from?	14	me get that in front of you.
14	A. Yes.	15	(Thereuman Democition Euclidet I
15	Q. Okay. Do you have any opinions on	j	(Thereupon, Deposition Exhibit I,
16	what the overall objective of the Ohio Edison	16	Douglas Yates' Report Dated 2/7/12,
17	tree trimming crews should have been here?	17	was marked for purposes of
18	A. Yes.	18	identification.)
19	Q. What should they have been?	19	
20	A. They should have realized that it	20	Q. I'm going to put Exhibit I in front
21	was a specimen tree because fastigiate European	21	of you and some of my questions are going to
22	Beech are very rare and they should have	22	deal with that and some of my questions are
23	realized that it was probably the homeowner	23	going to deal with your report which is also in
24	needed to be talked to before they cut any	24	front of you.
25	branches and gotten written permission to take	25	A little bit of background on your
_	Page 55		Page 57
1	off whatever they wanted to take off. And I'm	1	report, February 7, 2012. When were you first
2	sure Dr. Paquelet, not speaking for him, but	2	contacted about the case, putting it in the
3	I'm sure Dr. Paquelet would have been very	3	perspective you wrote your report February 7?
4	responsible to their needs for clearance for	4	A. Probably January 1.
5	the wires.	5	Q. What were you asked to do?
6	Q. Do you see anything in Section 9,	6	A. I was asked to do a report of the
7	which is the utility section of ANSI 300, that	7	damages done to the beech tree.
8	requires what you just said the company should	8	Q. And that would be an evaluation?
9	have done? I have lost it now. It's the ANSI	9	A. An evaluation, right.
10	300 which is somewhere over here. I think it's	10	Q. And in doing so, you were asked to
11	right underneath your report there.	11	look at the cost of replacing the tree?
12	Okay. And the three things that I	12	A. Uh-huh.
13	heard you say is they shouldn't have removed	13	Q. That's a yes?
14	portions of they should have realized it was	14	A. Yes.
15	a specimen tree, they should have gotten	15	Q. Were you asked to do anything else?
16	written permission from Dr. Paquelet and talked	16	A. I was asked to prepare a report
17	to him. Do you see any of these requirement in	17	based on what I found.
18	ANSI 3009?	18	Q. Okay.
19	A. No. Just because it's not, doesn't	19	A. The normal response.
20	make it right.	20	Q. Okay. And, again, what you found
21	Q. So this is really your personal	21	with respect to valuation of the tree?
22	opinion?	22	A. Right.
23	A. This is my personal opinion.	23	Q. Now, what did Dr. Paquelet give
24	Q. Not based on any	24	you? We have already talked about two of these
25		25	diagrams, and I will say for the record they

Page 58  1 were Exhibits C and D. What else did he give 1 A. Right. 2 you to work with? 2 Q. What I'm going to	Page 60
2 you to work with? 2 Q. What I'm going to	
	to do is I want to
A. He gave me these photographs, he 3 mark this as an exhibit, b	j j
4 gave me this document.  4 take away your only photographs, ite take away your only photographs.	
	ou can put mat m.
	better toke the
	it to ask you questions
before you wrote your report, what did he give 10 (Recess taken.)	
11 you?	'.' To 1 '1.'. T
12 A. Okay. I'm sorry. 12 (Thereupon, Depo	
· · · · · · · · · · · · · · · · · · ·	ph with Labels, was
14 that. 14 marked for purpor	ses of
15 A. C and D. 15 identification.)	
16 Q. Okay. What else? 16	
Garage Francisco	C: Back on the record.
18 here I'm not finding. He gave me several 18 Q. On the break I ha	
19 photographs. 19 to review your file that ye	_
20 Q. Is that part of your file or part 20 connection with the list of	
21 of his file? Now he is pushing them over 21 asked you to bring and I to	
22 so, but I need 22 that. I just want to cover	
A. These are my files. That 23 is nothing that you didn't	bring that is part
24 photograph and that photograph. 24 of your file.	
25 Q. That's the one we have already 25 A. Yes.	
Page 59	Page 61
	e break we were
2 A. And that photograph. 2 looking at Defendant's I	·
3 Q. Okay. 3 a black and white copy	
4 A. And this. This is a normal growth 4 include in the transcript	- 1
5 pattern of the beech tree in question. 5 that you got from Dr. Pa	-
6 Q. And these photographs you have 6 when these photos were	taken?
7 already sent into the PUCO or they are attached 7 A. No.	
	trimming actually
9 A. Yes. 9 took place in February of	
10 Q. Let me make sure they both are. 10 know if the pictures were	i
11 Just so we have got it tied up here and on your 11 DR. PAQUELET	l l
	K: I'm sorry. 2010.
13 testimony, pages 5 and 6 you have some photos. 13 A. I don't know if	they were taken
14 Do you see those? 14 that winter or not.	
15 A. Yes. 15 Q. We were looking	
16 Q. But I don't see that, one of the 16 would be to the left of E	
photos is included in the report and that would   17 in front of you your test	
18 be the photo on the left, that is not included 18 marked as Defendant's I	ł
19 in your report, correct? 19 noting that that photo, the	_
20 A. This is the first one. You mean 20 not included in your test	· '
	to number 1, shows
·	
22 Q. Right. 22 the total lack of drop cro	
· · · · · · · · · · · · · · · · · · ·	
22 Q. Right. 22 the total lack of drop cro	ur testimony. First ight now from your

	Page 62		Page 64
1	Your report is Exhibit H. I'm asking you to	1	H. Now, Exhibit H, you say down on the bottom
2	focus on your testimony. The testimony that	2	of the first page, it's the third from the last
3	you filed with the comission, Exhibit I.	3	sentence, approximately, "A side branch cannot
4	A. Okay.	4	be cut more than 33 percent of the main cut."
5	Q. In this testimony, you have several	5	A. Yes.
6	of the photos incorporated within your	6	Q. Didn't you just say a minute ago 25
7	testimony. Let's go to those pages. And they	7	percent?
8	are actually numbered, which will make it easy.	8	A. I was just trying to recall from
9	The photos are in CP 0006 and CP 0007, right?	9	memory, but it's 33 percent.
10	A. Uh-huh.	10	Q. Thirty-three percent according to
11	Q. Now, the photo on the left, Exhibit	11	what?
12	J, the same photo that you said that you	12	A. According to the ANSI standards.
13	referred to where you read to me where you	13	Q. What ANSI standards?
14	referred to it in your report is not in your	14	A. ANSI 300 standards.
15	transcript of your testimony to the PUCO,	15	Q. What section?
16	correct?	16	A. Section 9.
17	A. Correct.	17	Q. Could you pull out Section 9 that
18	Q. Why isn't that photo included?	18	we just looked at here and show me where it
19	A. I must have missed it.	19	says that. If you have got the ANSI standard,
20	Q. That photo, and I'm still referring	20	the whole thing, you are certainly able to look
21	to the one on the left, Exhibit J, what does	21	at that if you want. Here is Section 9,
22	that photo show us?	22	Utility Pruning, and the question on the table
23	A. It shows many, many, many pruning	23	is show me the section in Section 9, ANSI
24	cuts that were made improperly with huge stubs	24	standard 300 that says a side branch cannot be
25	being left in the tree.	25	cut more than 33 percent of the main cut.
	Page 63		Page 65
1	Q. When you say "improperly," this is	1	Just so we don't waste a lot of
2	pursuant to your own personal opinion?	2	time, we are talking about ANSI 300. That's
3	A. Correct.	3	not what you are looking at right now. So I
4	Q. What am I seeing in the one to the	4	just want to be sure we are clear because you
5	right, which we are going to call, I guess you	5	are looking at a different document?
6	labeled that one photo number 2?	6	A. This is the ANSI 300 standard for
7	A. Yes.	7	utility pruning of trees.
8	Q. What is that showing us?	8	Q. I see, my mistake. I'm sorry. But
9	A. That's the final topping cut of the	9	this is no, it's not my mistake. This is a
10	tree where they just cut the entire top out of	10	special companion publication to the ANSI 300.
11	the tree to get their clearance.	11	This is the best management practices that is
12	Q. Do you know	12	published by ISA, correct?
13	A. With no you could see that has	13	A. Correct.
14	been that what I talked about is the when	14	Q. I am not talking about a
15	you do directional pruning, you are supposed to	15	publication that the ISA did. The question is
16	have at least 25 percent of the branch left	16	in ANSI 300, Section 9, you said that it says
17	based on the size of the trunk and that's a,	17	what you have written in your report. You have
18	probably a six-inch trunk there and the	18	the ANSI 300 in front of you and I want you to
19	branches left there are less than two inches.	19	find that for me.
20	Q. When you say they are probably less	20	A. It must not be in this section.
i	than two inches, you are just looking at	21	Q. Okay. Now, on your I would like
21	The state of the s		
21 22	your you are just looking at a picture in	22	you to look at your testimony. No. I keep
21 22 23	your you are just looking at a picture in order to determine that, right?	23	getting them mixed up here. Your report, which
21 22	your you are just looking at a picture in		- · · · · · · · · · · · · · · · · · · ·

	Page 66	Γ-	Page 68
1	than 33 percent of the main cut and these are	1	Q. Upon what did you base your
2	all 50 to 80 percent."	2	statement that there has to be no more than
3	Don't you want the side branch to	3	four feet of clearance between the tree and the
4	be at least 33 percent or more of the main cut?	4	primary conductor?
5	I mean, isn't that the goal?	5	A. Based on the FirstEnergy's
6	A. No. You are doing your math	6	vegetation management guide specifications.
7	backwards.	7	Q. Let's look at those. You have got
8	Q. Okay.	8	your own in front of you, but we will go ahead
9	A. The idea is to leave more branch,	9	and mark it here.
10	not less branch. 80 percent of the branches	10	A. Yes.
11	were cut.	11	A. 103.
12		12	(Thereupan Denosition Exhibit V
	Q. Well, you are not saying how many	1	(Thereupon, Deposition Exhibit K,
13	of the branches were cut, you are saying a side	13	FirstEnergy Vegetation Management
14	branch cannot be cut more than 33 percent, you	14	Specifications, was marked for
15	are talking about diameter, aren't you?	15	purposes of identification.)
16	A. Yes.	16	
17	Q. So it can't be more than 33 percent	17	Q. We have marked the specifications
18	of what, the main?	18	and guidelines that you are referring to as
19	A. Right. So if this is eight inches,	19	Exhibit K, correct?
20	you can't have more than two-and-a-half inches	20	A. Yes.
21	of side branch.	21	Q. I do notice that, at least in the
22	Q. Okay.	22	information you gave us, you gave us a 2003
23	A. It should be bigger than	23	revision, this is a 2007 revision?
24	two-and-a-half inches.	24	A. Okay.
25	Q. I see. So you would want the	25	Q. So we will talk about what you base
	Page 67		Page 69
1	percentage to be less than 33 percent?	1	it on and look in this revision and see if it's
2	A. Yes.	2	different. But first of all, you used the 2003
3	Q. Okay. That's your point there.	3	revision, right?
4	All right.	4	A. Correct.
5	Now, in your testimony, which I	5	Q. What section, then, did you refer
6	think we have that in front of you, too	6	to?
7	let's get that in front of you because I'm	7	A. I referred to distribution clearing
8	going to compare your testimony with your	8	zone, page 11 on this document.
9	report. G. Do you see your testimony, right	9	Q. All right.
10	here, I? H and I.	10	A. "The degree and type of tree
11	A. Okay.	11	clearance required for electric lines to
12	Q. You got those two in front of you.	12	function effectively is dependent on the
13	The testimony on page 3, you say that, towards	13	voltage of the conductor, the type of tree, its
14	the bottom, "Irregardless of the size or	14	growth rate, branching habit. Distribution
15	location of the tree, there should be no more	15	clearing zone is defined as a corridor measured
16	than four feet of clearance between the tree	16	at a distance of 15 feet on either side of the
17	and the primary conductors."	17	pole line or to the established large tree
18	Do you see that?	18	edge, whichever is greater in width.
19	A. Uh-huh.	19	"Emphasis is to be placed on
20	Q. Now, you did not offer that opinion	20	controlling all incompatible vegetation within
21	anywhere in your report which we have marked as	21	this clearing zone. All incompatible
22	Exhibit H, did you?	22	vegetation overhanging the clearing zone
23	A. No.	23	corridor shall be pruned back to the main stem.
24	Q. Why not?	24	In cases where incompatible vegetation is not
1 44	A. Milh Hot:	1	
25	A. Must have slipped my mind.	25	controlled, such as maintained lawn areas,

	Page 70		Page 72
1	vegetation shall be pruned following	1	The question that I believe you
2	directional pruning methods and is further	2	were answering a minute ago where you read me
3	defined in the current ANSI 300 standards.	3	that long excerpt, the question is where did
4	"Pruning shall be done in such	4	you find the fact that there should be no more
5	manner as to achieve minimum of four years	5	than four feet of clearance between the tree
6	clearance from FirstEnergy's primary conductors	6	and the primary conductors, what do you base
7	based on tree species and growing conditions.	7	that on?
8	In cases where four years of clearance is	8	A. I'm not sure where I was coming
9	unattainable, 12 feet of clearance shall be	9	from with that comment.
10	achieved.	10	Q. Okay.
11	"Regardless of tree species,	11	A. I have no idea.
12	structures or fuses or disconnects must have	12	Q. Then looking at what you read, the
13	all the vegetation cleared within an eight-foot	13	part of the FirstEnergy Vegetation Management
14	radius of the fuse, disconnect side of the	14	Plan, which was page 11, and let's just make
15	structure."	15	sure, I believe it's identical in what I have
16	Q. Okay. I realize you just read me	16	marked which is the 2007 version. We don't
17	the section on the distribution clearing zone,	17	have to spend a lot of time with it, but they
18	page 11.	18	are really very similar.
19	A. Yes.	19	The 2007 version, and you can
20	Q. But I want to be sure you knew the	20	compare it against yours, actually says, and
21	question. The question is upon what did you	21	I'm reading right where you read, "The
22	base your statement that irregardless of the	22	distribution clearing zone is defined as a
23	size or location of the tree, there should be	23	corridor measured at a distance of 15 feet on
24	no more than four feet of clearance between the	24	either side of the pole line or the established
25	tree and the primary conductors, because what	25	large tree edge, whichever is greater in
	Page 71		Page 73
1	you just read me says 15 feet on either side of	1	width," right?
2	the pole line. Do you see that on the top	2	A TO 1 1 4
			A. Right.
3	sentence of the paragraph?	3	Q. So it doesn't say four feet?
4	A. No. Where is that? Which page?	3 4	<ul><li>Q. So it doesn't say four feet?</li><li>A. No.</li></ul>
5	<ul><li>A. No. Where is that? Which page?</li><li>Q. Go to page 11, right where you were</li></ul>	3 4 5	<ul><li>Q. So it doesn't say four feet?</li><li>A. No.</li><li>Q. It says 15 feet.</li></ul>
5 6	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the	3 4 5 6	<ul><li>Q. So it doesn't say four feet?</li><li>A. No.</li><li>Q. It says 15 feet.</li><li>A. Right.</li></ul>
4 5 6 7	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking	3 4 5 6 7	<ul><li>Q. So it doesn't say four feet?</li><li>A. No.</li><li>Q. It says 15 feet.</li><li>A. Right.</li><li>Q. Right. Now, when you said in this</li></ul>
4 5 6 7 8	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I	3 4 5 6 7 8	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance</li> </ul>
4 5 6 7 8 9	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking	3 4 5 6 7 8 9	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19</li> </ul>
4 5 6 7 8 9	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.	3 4 5 6 7 8 9	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not</li> </ul>
4 5 6 7 8 9 10	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for. A. Yes.	3 4 5 6 7 8 9 10	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.</li> </ul>
4 5 6 7 8 9 10 11 12	A. No. Where is that? Which page?  Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes.  Q. At the bottom on page 3, do you see	3 4 5 6 7 8 9 10 11 12	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.</li> <li>A. No.</li> </ul>
4 5 6 7 8 9 10 11 12	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that?	3 4 5 6 7 8 9 10 11 12 13	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.</li> <li>A. No.</li> <li>Q. You are going off of what</li> </ul>
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4 5 6 7 8 9 10 11 12 13 14 15	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew	3 4 5 6 7 8 9 10 11 12 13 14	<ul> <li>Q. So it doesn't say four feet?</li> <li>A. No.</li> <li>Q. It says 15 feet.</li> <li>A. Right.</li> <li>Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.</li> <li>A. No.</li> <li>Q. You are going off of what</li> <li>Dr. Paquelet told you?</li> <li>A. Yes.</li> </ul>
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4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. So it doesn't say four feet?  A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.  A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay. Q. The question is on the bottom of	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the Ohio Edison did an emergency repair and cut off
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay. Q. The question is on the bottom of page 3, you made the statement, "Irregardless	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the Ohio Edison did an emergency repair and cut off the crossbar and everything up at the top of
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay. Q. The question is on the bottom of page 3, you made the statement, "Irregardless of the size or location of the tree, there	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. So it doesn't say four feet?  A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.  A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the Ohio Edison did an emergency repair and cut off the crossbar and everything up at the top of your testimony on page 4
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay. Q. The question is on the bottom of page 3, you made the statement, "Irregardless of the size or location of the tree, there should be no more than four feet of clearance	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. So it doesn't say four feet? A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself. A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the Ohio Edison did an emergency repair and cut off the crossbar and everything up at the top of your testimony on page 4 A. Yes.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. No. Where is that? Which page? Q. Go to page 11, right where you were just reading. The vegetation go to the vegetation management plan. Are you looking right now from where you testified to it? I just want to help you find what you are looking for.  A. Yes. Q. At the bottom on page 3, do you see that? A. Okay. Yes. Q. All right. See, I thought you knew what I was talking about because you have already answered my question once, but if you weren't clear on my question, then let's go through it again. A. Okay. Q. The question is on the bottom of page 3, you made the statement, "Irregardless of the size or location of the tree, there	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. So it doesn't say four feet?  A. No. Q. It says 15 feet. A. Right. Q. Right. Now, when you said in this case there is at least 12 feet of clearance between the tree and the ground line and 19 between the tree and the hotline, you are not going by measurements you made yourself.  A. No. Q. You are going off of what Dr. Paquelet told you? A. Yes. Q. And what he gave you on Defendant's Exhibit D, right? A. Correct. Q. Okay. So if we turn the page then in your testimony, this information about the Ohio Edison did an emergency repair and cut off the crossbar and everything up at the top of your testimony on page 4

Dr. Paquelet told you, right?  A. Yes.  Q. And you have not taken any steps in order to try to corroborate or verify any of that, have you?  A. Correct.  Q. Now, upon what do you base your conclusion that the crew pruning the tree used the lower ground as a reference for their pruning to remove enough foliage to attain a 11 12-feet zone of clearance?  A. Just based on his comment to me.  Q. And down just, the next question and answer, down under kind of the middle of the page when you say, "The trunk of the tree is is 11 foot from the pole," that's what we see is 11 foot from the pole," that's what we say are asked, "Did the Ohio Edison Company comply asked about ANSI 300 standard that we have been talking about today.—  A. Right.  Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped." The and you were specifically asked about ANSI 300 standard that we have been talking about today.—  A. Right.  Q. Can you find in ANSI standard 300 where it says that the drop crotch method dwas not used and the tree was severely topped." The and you were specifically saked about ANSI 300 standard that we have been talking about today.—  A. Right.  Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severly topped." The and you were specifically saked about ANSI 300 standard that we have been talking about today.—  A. Yes.  Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and directives of the standard?  A. Yes.  Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severly topped." The and you were specifically saked about ANSI 300 standard that we have been talking about today.—  A. Right.  Q. Can you find in cannot be used and the tree was severly topped." The proper is a part of the tree was severly topped." The proper is a part of the tree was severly topped." The proper is a part of the tree was seve		Page 74	Γ	Page 76
2 already gone through in looking at that, under order to try to corroborate or verify any of 5 that, have you? 5 chat, have you? 6 CA Correct. 7 Q. Now, upon what do you base your 8 conclusion that the crew pruning the tree used the lower ground as a reference for their 10 pruning to remove enough foliage to attain a 11 12-feet zone of clearance? 12 A. Is abssed on his comment to me. 12 A. Is abssed on his measurement. 13 Q. Okay. 14 A. Based on his measurement. 15 Q. And down just, the next question 16 and answer, down under kind of the middle of the page when you say. "The trunk of the tree is 11 foot from the pole," that's what we 11 size of the page when you say. "The trunk of the tree is 11 foot from the pole," that's what we 12 corrected and now you say that it's 11, right? 2 A. Correct. 2 Q. Now, going down on page 4, upon what do you base your conclusion that, when you are asked, "Did the Ohio Edison Company comply 2 asked about ANSI 300 standard that we have been talking about today— 2 A. Right. 3 A. Yes. 4 A. Yes. 5 Q. Can you find in ANSI standard 300 where it says that the drop crotch method as not used and the tree was severely topped." 4 A. Yes. 5 Q. Can you find in ANSI standard 300 where it says that the drop crotch method as not used and the tree was severely topped." 5 A. It did not use the drop crotch in 29 can be a self-self-cally in that section. 6 Con you find in ANSI standard 300 where it says that the drop crotch method as not used and the tree was severely topped." 6 Corotch method was not used and the tree was severely topped. That's what we talked about already, the pruning cuts should be made in accordance with subclause 5.3. It's all on the same section, right?  A. This says "shall."  A. This says "shall." All right. No. 14 A. Gorrect.  9 Q. Now, going down on page 4, upon 15 the page when you say. The true of the tree was severely topped. That's what you are asked, "Did not the seven that man the say that the company did wrong.  16 The tree was severely topped in the wind the tree	1		1	- ,
3 that same section under 9.3 which overall deals with utility crown reduction pruning, there is also 9.3.1 which we talked about already, the pruning to remove enough foliage to attain a 11 12-feet zone of clearance?  4 A. Just based on his comment to me.  5 Q. Okay.  4 A. Based on his comment to me.  6 Q. Okay.  4 A. Based on his measurement.  5 Q. And down just, the next question and answer, down under kind of the middle of the page when you say. The trunk of the tree is is 11 foot from the pole," that's what we are it say and what do you base your conclusion that, when you are asked, "Did the Ohio Edison Company comply with this standard?" And you were specifically a saked about ANSI 300 standard that we have been talking about today.  4 A. Right.  5 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped. "  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped. "  5 A. Yes.  9 Q. Can you find in ANSI standard 300 where it says that the drop crotch method was not used and the tree was severely topped."  5 A. Yes.  9 Q. Oxay.			i	
4 order to try to corroborate or verify any of 5 that, have you?  A. Correct.  Q. Now, upon what do you base your conclusion that the crew pruning the tree used the lower ground as a reference for their pruning to remove enough foliage to attain a 1 22-feet zone of clearance? 12 A. Just based on his comment to me. 13 Q. Okay. 14 A. Based on his measurement. 15 Q. And down just, the next question 16 and answer, down under kind of the middle of 17 the page when you say, "The trunk of the tree 18 is 11 foot from the pole," that's what we 19 talked about before where you were first told 20 and we see on that map that it was 8 and it was 21 corrected and now you say that it's 11, right? 22 A. Correct. 23 Q. Now, going down on page 4, upon 24 what do you base your conclusion that, when you 25 are asked. "Did the Ohio Edison Company comply 26 with this standard?" And you were specifically 27 asked about ANSI 300 standard that we have been 28 talking about today.  A. Right. Q. — and you said, "No. The drop 29 crotch method was not used and the tree was 29 Q. Can you find in ANSI standard 300 20 where it says that the drop crotch method 21 corpored in order to achieve the purposes and 22 directions of the same section, 24 right. 25 A. Ornect. 26 (C. That's right. 27 A. To say "shall." 29 (A. That's right. 30 (That's seg'nt. 31 (A. This says "shall." 31 (A. This says "shall." 32 (A. That says "shall." 34 (The drop rotch method was not used and the 35 (The was severely topped." 36 (That's seg'nt. 37 (The drop crotch method was not used and it was 38 (The trunk of the tree was 39 (A. It did not use the drop crotch in 39 (A. 9.3 describes proper pruning cuts. 30 (A. 18 did not use the drop crotch in 31 (The drop crotch method was not used and the tree was 31 (The drop crotch method was not used and the tree was 32 (The trunk of the tree of the standard? 32 (That's say shall." 34 (The trunk of the tree of the says what it is 11, right? 35 (A. 16 din or use the drop crotch in 36 (The trunk of the tree of the says what it is 1				• •
that, have you?  A. Correct.  Q. Now, upon what do you base your conclusion that the crew pruning the tree used the lower ground as a reference for their pruning to remove enough foliage to attain a tild pruning to remove the was to used and the tree was severely topped.  A. Correct.  A. Right.  A. A. This says "shall."  A. This says "shall."  The drop crotch method was not used and the tree was severely topped and answer, down under kind of the middle of the tree was severely topped.  A. Right.  A. Yes.  A. No, it's not. That's because they are retying to put it into legalese that does not fill with normal vernacular and it's just to make people more confused, but that's what it's talking about.  A. No, it's not. That's because they are trying to put it into legalese that does not fill with normal vernacular and it's just to make people more confused, but that's what it's ta		· · · · · · · · · · · · · · · · · · ·	4	<b>[</b>
6 A. Correct. 7 Q. Now, upon what do you base your conclusion that the crew pruning the tree used the lower ground as a reference for their pruning to remove enough foliage to attain a 11 12-feet zone of clearance? 12 A. Just based on his comment to me. 13 Q. Okay. 14 A. Based on his measurement. 15 Q. And down just, the next question and answer, down under kind of the middle of the page when you say, "The trunk of the tree is it I floot from the pole," that's what was a and we see on that map that it was 8 and it was corrected and now you say that it's 11, right? 12 A. Correct. 13 Q. Now, going down on page 4, upon what do you base your conclusion that, when you are asked, "Did the Ohio Edison Company comply  1 with this standard?" And you were specifically asked about ANSI 300 standard that we have been talking about today 14 A. Right. 15 Q. — and you said, "No. The drop crotch method was not used and the tree was severely topped." That's what you are asked, "Did the Ohio Edison Company comply  1 with this standard?" And you were specifically asked about ANSI 300 standard that we have been talking about today 15 A. This says "shall." 10 Q. That says, "shall." A. This says "shall." 11 A. This says "shall." A. This says "shall." 12 Q. That say; "shall." A. This says "shall." A. This says "shall." A. This says "shall." 13 I don't see in here what you say, which is, "The drop crotch method was not used and the tree was severely topped." That's what you are saying that eet on prover you were first told and was a conducted on the place of the was a severely topped."  2 what do you base your conclusion that, when you are asked, "Did the Ohio Edison Company comply  2 with this standard?" And you were specifically asked about ANSI 300 standard that we have been talking about today 2 A. Right.  3 Q. That says "shall."  4 A. Yes.  4 It did not use the drop crotch in enthod 2 and now you say that it's 11, right?  5 Q. — and you said, "No. The drop crotch method was not used and the tree was severely topped."  6		· · · · · · · · · · · · · · · · · · ·	5	
7 subclause 5.3. It's all on the same section, right? 8 conclusion that the crew pruning the tree used the lower ground as a reference for their pruning to remove enough foliage to attain a 1 12-feet zone of clearance? 10 pruning to remove enough foliage to attain a 1 12-feet zone of clearance? 11		•	6	Ţ.
8 conclusion that the crew pruning the tree used 9 the lower ground as a reference for their 10 pruning to remove enough foliage to attain a 11 12-feet zone of clearance? 12 A. Just based on his comment to me. 13 Q. Okay. 14 A. Based on his measurement. 15 Q. And down just, the next question 16 and answer, down under kind of the middle of 17 the page when you say, "The trunk of the tree 18 is 11 foot from the pole," that's what we 18 talked about before where you were first told 20 and we see on that map that it was 8 and it was 21 corrected and now you say that it's 11, right? 22 A. Correct. 23 Q. Now, going down on page 4, upon 24 what do you base your conclusion that, when you 25 are asked, "Did the Ohio Edison Company comply 26 with this standard?" And you were specifically 27 asked about ANSI 300 standard that we have been 28 talking about today 29 Q. Can you find in ANSI standard 300 20 where it says that the drop crotch method 20 cannot be used and a tree cannot be severely 21 topped in order to achieve the purposes and 23 directives of the standard? 24 A. Yes. 25 Q. Okay. 26 Can you find in ANSI standard 300 27 where it says that the drop crotch method 28 cause damage to other parts of the tree or 29 other plants or property. Branches to large 20 to support with one hand shall be precut to 20 sucked to lower branches or portions of the 21 to support with one hand shall be precut to 22 avoid splitting the wood or tearing the bark. 23 When necessary, ropes or other equipment shall 24 be used to lower branches or portions of the		Q. Now, upon what do you base your	7	-
9 A. Yes. But this says "shall." 10 Pururing to remove enough foliage to attain a 11 12-feet zone of clearance? 12 A. Just based on his comment to me. 13 A. Based on his measurement. 14 A. Based on his measurement. 15 Q. And down just, the next question 16 and answer, down under kind of the middle of 17 the page when you say, "The trunk of the tree 18 is 11 foot from the pole," that's what we 18 talked about before where you were first told 20 and we see on that map that it was 8 and it was 21 corrected and now you say that it's 11, right? 22 A. Correct. 23 Q. Now, going down on page 4, upon 24 what do you base your conclusion that, when you 25 are asked, "Did the Ohio Edison Company comply 26 with this standard?" And you were specifically 27 asked about ANSI 300 standard that we have been 28 talking about today— 29 A. Yes. But this says "shall." 20 That says "shall." 20 Q. That says "shall." 21 A. This says "shall." 21 A. This says "shall." 22 Q. That says "shall." 23 I don't see in here what you say, which is, 24 The drop crotch method was not used and the tree 25 asked about ANSI 300 standard that we have been 26 talking about today— 27 The question is just one of 28 semantics. I don't see the word drop crotch in 29 gollarding cuts, it's still a practice that's totally discredited in the industry. 29 Con and you said, "No. The drop 20 Cortch method was not used and the ree was 20 severely topped." 21 That's right. 22 That's right. 23 I don't see the word drop crotch in 24 A. 9.3 describes proper pruning cuts. 25 It takes into account — whether it's called drop crotch from it's still a practice that's totally discredited in the industry. 26 The question is just one of 27 Semantics. I don't see the word drop crotch in 28 A. Yes. 29 Q. Can you find in ANSI standard 300 20 where it says that the drop crotch method cannot be used and a tree cannot be severely topped in order to achieve the purposes and directives of the standard? 21 The form of the middle of the proper purpose and directives of the standard? 22 T	8		8	şi .
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21 to support with one hand shall be precut to 22 avoid splitting the wood or tearing the bark. 23 When necessary, ropes or other equipment shall 24 be used to lower branches or portions of the 25 tree is right there. That's the very, very, 26 very, very top, yes. 27 16 feet? 28 A. Photo number 2. The top of the 29 tree is right there. That's the very, very, 20 very, very top, yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	with this standard?" And you were specifically asked about ANSI 300 standard that we have been talking about today  A. Right. Q and you said, "No. The drop crotch method was not used and the tree was severely topped."  A. Yes. Q. Can you find in ANSI standard 300 where it says that the drop crotch method cannot be used and a tree cannot be severely topped in order to achieve the purposes and directives of the standard?  A. Yes. Q. Okay. A. 3.3.1.1.5. "Tree branches shall be removed in such" I'm sorry. "Tree branches shall be removed in such a manner so as not to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. The question is just one of semantics. I don't see the word "drop crotch" or "rounding" or "topping" in 9.3.1.1.5; those terms are not specifically in that section.  A. No, it's not. That's because they are trying to put it into legalese that does not fit with normal vernacular and it's just to make people more confused, but that's what it's talking about.  Q. Now, going to your report, and now I'm after the pictures, I'm on Bates page CP 0008. You are asked specifically if you reviewed the photos of the tree and the question is taken shortly after pruning by Ohio Edison, but you don't really know what month those were taken, do you?  A. Nope.  Q. You say that the photos show the
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25 branches to the ground." 25 Q. I can see the tree. I'm	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	with this standard?" And you were specifically asked about ANSI 300 standard that we have been talking about today  A. Right. Q and you said, "No. The drop crotch method was not used and the tree was severely topped."  A. Yes. Q. Can you find in ANSI standard 300 where it says that the drop crotch method cannot be used and a tree cannot be severely topped in order to achieve the purposes and directives of the standard?  A. Yes. Q. Okay. A. 3.3.1.1.5. "Tree branches shall be removed in such" I'm sorry. "Tree branches shall be removed in such a manner so as not to cause damage to other parts of the tree or other plants or property. Branches too large to support with one hand shall be precut to avoid splitting the wood or tearing the bark.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. The question is just one of semantics. I don't see the word "drop crotch" or "rounding" or "topping" in 9.3.1.1.5; those terms are not specifically in that section.  A. No, it's not. That's because they are trying to put it into legalese that does not fit with normal vernacular and it's just to make people more confused, but that's what it's talking about.  Q. Now, going to your report, and now I'm after the pictures, I'm on Bates page CP 0008. You are asked specifically if you reviewed the photos of the tree and the question is taken shortly after pruning by Ohio Edison, but you don't really know what month those were taken, do you?  A. Nope.  Q. You say that the photos show the beech was topped at 16 feet. What photo shows you specifically that the beech was topped at 16 feet?  A. Photo number 2. The top of the
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	Page 78	Ţ	Page 80
1	specifically asking about 16 feet. How do you	1	A. There is a broom in there for
2	know that that distance is 16 feet?	2	scale.
3	A. Dr. Paquelet measured it.	3	Q. How long is the broom?
4	Q. You are relying on Dr. Paquelet	4	A. My guess is five foot.
5	then for that?	5	Q. You really don't even know how long
6	A. Yes.	6	the scale item is for sure, do you?
7	Q. Where in your documents is that	7	A. No. Definitely not.
8	measurement?	8	Q. But that gave you enough
9	A. It's I'm not sure. I don't	9	information to know that it couldn't be
10	recall where it is.	10	chipped?
11	Q. Then how do you know as you sit	11	A. No. The fact that it was left
12	here today that that's based upon	12	behind gave me the indication that it could not
13	Dr. Paquelet's measurement?	13	be chipped.
14	A. Because he told me it was at 16	14	Q. Then when you say further down,
15	feet from day one.	15	"Those pieces lay end to end measure eight
16	Q. So there is nothing written?	16	feet." What pieces are you talking about
17	A. I don't think there is anything	17	there?
18	written.	18	A. The pieces with the broom in there,
19	Q. And unlike some of these diagrams	19	the pieces with the broom.
20	wherein things were memorialized in Exhibit C	20	Q. Are you going by the fact that
21	and D	21	since that's a little bit longer than a
22	A. Right.	22	five-foot broom, it must be eight feet?
23	Q that statement of the 16 feet is	23	A. Yes.
24	not memorialized in your file?	24	Q. What is the point of this
25	A. No.	25	testimony? I didn't understand this paragraph.
-	Page 79		Page 81
1	O. And the central trunk or leader at	1	What are you saying Ohio Edison should have
2	eight feet, is that also not memorialized	2	done here?
3	anywhere?	3	A. Done a better job of cleanup.
4	A. No.	4	Q. Okay. Did you put a dollar value
5	Q. And he just told you that in a	5	to that?
6	telephone conversation, right?	6	A. No.
7	A. Correct.	7	Q. I noticed in your report which we
8	Q. How do you know that the logs were	8	have marked as Exhibit H you give an opinion as
9	too large to be chipped placed at the base of	9	to the basic value of the tree being \$2,168 and
10	the tree?	10	then you talk about your calculations and then
11	A. Because I have been in the tree	11	you come up with the total value of \$2,200.
12	business for 30 years and I know what diameter	12	A. Correct.
	wood normally, crews normally chip and it's	13	Q. I did not see that in your
13	wood normany, crews normany cmp and its		
13 14	much smaller than that.	14	testimony that you submitted to the PUCO. It's
	* *	14 15	testimony that you submitted to the PUCO. It's not there, is it?
14	much smaller than that.	1	•
14 15	much smaller than that.  Q. Show me the picture of the logs	15	not there, is it?
14 15 16	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And	15 16	not there, is it?  A. I'm not sure what you are saying.
14 15 16 17	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in	15 16 17	not there, is it?  A. I'm not sure what you are saying.  Q. Well, why did you give us an
14 15 16 17 18	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in your testimony. Let's look at your testimony.	15 16 17 18	not there, is it?  A. I'm not sure what you are saying.  Q. Well, why did you give us an opinion in your report about the value of the
14 15 16 17 18 19	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in your testimony. Let's look at your testimony. Flip your testimony over one page. So you are	15 16 17 18 19	not there, is it?  A. I'm not sure what you are saying.  Q. Well, why did you give us an opinion in your report about the value of the tree being a total of \$2,200, why isn't it in
14 15 16 17 18 19 20	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in your testimony. Let's look at your testimony. Flip your testimony over one page. So you are looking at	15 16 17 18 19 20	not there, is it?  A. I'm not sure what you are saying.  Q. Well, why did you give us an opinion in your report about the value of the tree being a total of \$2,200, why isn't it in your testimony? Why did you abandon that
14 15 16 17 18 19 20 21	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in your testimony. Let's look at your testimony. Flip your testimony over one page. So you are looking at  A. That's 7.	15 16 17 18 19 20 21	A. I'm not sure what you are saying. Q. Well, why did you give us an opinion in your report about the value of the tree being a total of \$2,200, why isn't it in your testimony? Why did you abandon that opinion?
14 15 16 17 18 19 20 21 22	much smaller than that.  Q. Show me the picture of the logs that you are basing your observation on. And if we go to your testimony, that is included in your testimony. Let's look at your testimony. Flip your testimony over one page. So you are looking at  A. That's 7.  Q CP 0007. That photograph, you	15 16 17 18 19 20 21 22	not there, is it?  A. I'm not sure what you are saying.  Q. Well, why did you give us an opinion in your report about the value of the tree being a total of \$2,200, why isn't it in your testimony? Why did you abandon that opinion?  A. I didn't. I think I didn't think

	D	Ĭ	·
1	Page 82  A. Because there was no place for it.	1	would take three hours worth of work?
2	Q. What do you mean there is no place?	2	A. Right.
3	A. There was no place asking for my	3	Q. What cleaning up specifically?
4	opinion of the value of the tree.	4	A. Clean up the branches on the
5	Q. So the questions were given to you	5	ground, the logs that are left behind, the ruts
6	by Dr. Paquelet and he just didn't ask that	6	in their lawn, anything that needs to be
7	question.	7	cleaned up.
8	A. Right.	8	Q. Do you know specifically that there
9	Q. While we are talking about that	9	were ruts in the lawn?
10	issue, I think you understand where the 2,200,	10	A. No.
11	how the calculation works, but where did you	11	Q. And the branches that you know for
12	get the basic value of \$2,168? Was that on	12	sure were there are in the upper picture.
13	like a chart of some kind?	13	Let's see, I think they are in your testimony.
14	A. Yes. That's from that green book	14	They are at the bottom of number 2006 or
15	there, the guide to appraisal.	15	1006, right?
16	Q. And this book is fairly old, if I	16	A. Right.
17	recall. But is this the kind of thing it's	17	Q. Now, those look like they are maybe
18	a copyright of 2000. Is this the kind of thing	18	three branches?
19	that doesn't change much?	19	A. Yes.
20	A. Right.	20	Q. So you are saying that it would
21	Q. And that's where you got the basis	21	take, for what you know is there, which is
22	from.	22	three branches, it would take about three hours
23	A. Yes.	23	to clean those up?
24	Q. While we are talking about the	24	A. I'm assuming there is more debris
25	book, the guide for plant appraisal, there is	25	left behind than that.
	Page 83		Page 85
1	some sections in here about conduct as an	1	Q. On what do you base that
2	expert witness.	2	assumption?
3	A. Yes.	3	A. Just conversations with
4	Q. Have you read those sections	4	Dr. Paquelet.
5	before?	5	Q. Did he tell you specifically that
6	A. Oh, yeah.	6	there was debris and ruts?
7	Q. There is also plant appraisal	7	A. No, not really.
8	within easements and right-of-way, I assume you	8	Q. Do you know which voltage line this
9	read those sections?	9	was?
10	A. Right.	10	A. No.
11	Q. You will agree with me that where	11	Q. You talk in your testimony about
12	there's rights-of-way and easements, whether	12	the growth rate on page 3 being expected to be
13	they are prescriptive or express or whatever	13	9 to 12 inches per year for this tree, right?  A. Yes.
14 15	kind they are, it can affect, according to this	14 15	ì
16	chapter, it can affect the value of the tree,	16	, , ,
17	right? A. Yes.	17	is dependent on factors like climate, rainfall, temperature, things like that?
18	Q. Now, the cost of cleanup, you say,	18	A. Yes.
19	and this is in your report, it's also not in	19	Q. Even the best arborist with
20	the testimony, are the cost of cleanup is \$450.	20	master's certification can't precisely predict
21	How did you arrive at that figure?	21	the amount of growth per species per year?
22	A. I have been doing tree work for 25	22	A. Right, but beeches grow much slower
23	years, I know how much it costs for two men and	23	than other trees.
24	equipment to do three hours worth of work and.	24	Q. In providing your testimony in
25	Q. And you also assumed that this	25	connection with the case, you are not offering

	Page 86		Page 88	
1	any disagreement with the clearance zone	1	accordance with modern arboricultural standards	
2	distances that Ohio Edison has under its	$\frac{1}{2}$	using the ANSI 300 standards and amendments,	
3	specifications?	3	right?	
4	A. No.	4	A. Yes.	
5	Q. No, because you have no expertise	5	Q. Then it says, "Directional pruning	
6	in that, right?	6	is the preferred method of line clearance	
7	A. Correct.	7	pruning," correct?	
1			A. Yes.	
8	Q. Upon what do you base your	8		
9	conclusion that drop crotch pruning was not	1		
10	accomplished here?	10	possible, the contractor shall obtain clearance	
11	A. By looking at the photographs.	11	in this manner," correct?	
12	Q. And specifically?	12	A. Correct.	
13	A. Photo 1-A.	13	Q. As I believe you answered before,	
14	Q. And according to your report,	14	you are not offering an opinion, nor do you	
15	that's the one that's not in it?	15	know whether it was possible to get the	
16	A. Yes.	16	required clearances by using that method of	
17	Q. I got it. Go ahead. I interrupted	17	pruning?	
18	you.	18	A. Correct.	
19	A. If you look at the page, there are	19	Q. Down at the very bottom of that	
20	at least five cuts here that were cut back just	20	same page 16 it says, under the UVM policy, the	
21	stubs instead of back to a qualified branch.	21	vegetation management policy, it says,	
22	Q. Do you know if the company could	22 23	"Exception to drop crotch and directional	
23	have gotten its required clearance by not doing		pruning techniques shall be used only when	
24	•		indicated as being acceptable by the	
25	A. No.	25	FirstEnergy representatives." Do you see that?	
	Page 87		Page 89	
1	Q. Is drop crotch and directional	1	A. I see that.	
2	pruning the same thing in your mind?	2	Q. So that does allow the FirstEnergy	
3	A. Yes.	3	representative to make a decision that the	
4	Q. Is crown reduction also a standard	4	clearances can't be obtained using that kind of	
5	method of tree trimming?	5	method, correct?	
6	A. Yes.	6	A. Right.	
7	Q. In your opinion, was that done	7	Q. Now, the health of the tree. You	
8	here?	8	come out by saying on page 4 of your testimony,	
9	A. No.	9	I'm sorry, that the pruning can be expected to	
10	Q. What do you base that on?	10	lead to the death of the tree.	
11	A. The fact that when they made this	11	A. Correct.	
12	cut, they left a huge stub with minimal side	12	Q. On what do you base that?	
13	branches.	13	A. The fact that I have watched	
14	Q. Okay. The specifications I believe	14	thousands of beech die over the years after	
15	we marked right here on Exhibit K, we talked	15	being topped. It's totally, totally, totally	
16	about page 11, distribution clearing zone, and	16	irresponsible practice.	
17	I think we have discussed the 15 feet clearance	17	Q. Do you know if the company had the	
18	requirement. Is that the section of the	18	option or right to completely remove this tree	
19	vegetation management plan that you believe	19	in this case because it was under the line?	
20	applies to this situation?	20	A. I have no idea.	
21	A. Yes.	21	Q. How long would you expect this	
22	Q. Now, there's also page 16, tree	22	tree, given what you have seen on the	
23	pruning methods. It's just kind of more	23	photographs, because you have never actually	
24	general statements saying that all pruning,	24	seen the tree, how long do you think it will	
25	both initial and repruning, shall be done in	25	live?	
24	general statements saying that all pruning,	24	seen the tree, how long do you think it wil	

	<del>.</del>	Page 90	J	Page 92
1	A.	It's going to be dead within five	1	scars, leaf bundle scars. And you can see this
2	years.	it's going to be dead within live	2	is one year, a whole series of scars here that
3	Q.	It is not dead now?	3	are bundles together, and then if you look last
4	Q. A.	No. It's not dead now.	4	year, we had a huge rain event, too, so we got
5			5	a lot of growth last year.
	Q.	Okay.	1	
6	Α.	It's much weaker now than it was a	6	•
7	year ag		7	A. That would be from here down to
8	Q.	Upon what do you base that on?	8	here.
9	Α.	On the branch that Dr. Paquelet	9	Q. Okay.
10	_	t me this year which showed the branch	10	A. And then we have, this is the year
11	extensi		11	before that. This is the year before that.
12		I don't believe you mentioned the	12	This is the year before that. This is the year
13		when I asked you what you reviewed in	13	before that. And this is the year before that.
14		tion with giving your report and your	14	Q. So where would it be in 2010 I'm
15	testimo		15	going to go back here. If this would be 2011,
16	A.	I'm sorry.	16	it would be right around here, wouldn't it?
17	Q.	That's okay. You probably forgot,	17	A. Yes.
18	but tell	me about that. When did you see the	18	Q. Since it was cut by the company,
19	branch'	?	19	this would be the growth in these areas.
20	Α.	Probably two months ago.	20	A. Right.
21	Q.	Okay. You need to do your best to	21	Q. But it looks like, and for our
22	rememl	ber on your own about two months ago.	22	record because none of this shows up, we have
23	A.	About two months ago.	23	the actual branch in front of us that we are
24	Q.	After you wrote your report but	24	looking at that Dr. Paquelet brought in, and
25	before y	you responded to the testimony?	25	just to kind of quantify this, when you said
_		Page 91		Page 93
1	A.	Right.	1	there was a really good rain season, that was
2	Q.	How big was the branch?	2	after the trimming was done by the company?
3	À.	Six, eight feet.	3	A. Right.
4	Q.	And do you know where on the tree	4	Q. And I want to estimate, and help me
5	_	nch came from?	5	with this, how many inches would you say this
6	Α.	It came from one of the long ends	6	growth is?
7		ucker growth that was growing off.	7	A. That's probably eight inches.
8	Q.	How long before it was brought into	8	Q. That was after the trimming?
9	-	fice was it cut?	9	A. Right.
10	A.	The same day.	10	Q. And then the next year, which would
11	Q.	What did you observe when you	11	be 2011.
12	•	at that branch?	12	A. Right.
13	A.	That it has grown very little this	13	Q. It's about five inches?
14		1 fact, I believe it's only about three	14	A. Yes.
15	-	inches, where last year it grew about	15	Q. What do you think, knowing your
16		• •		experience, what do you think it will be this
	_	ten inches, and before that it grew	16	
17		y four inches a year for the last ten	17	year?
18	years.	Voy con toll that from the con-	18	A. Probably half of that.
19	Q.	You can tell that from the one	19	Q. Okay.
20	branch?	· · · · · · · · · · · · · · · · · · ·	20	A. Every year it declines a little
21	Α.	Yes.	21	bit.
22		Tell me how you go about that.	22	Q. Before you walk away, and we can go
23	Α.	Let me show you the branch.	23	back many years, there are other years where
100		f 31-a-a	1.77	thoma wing andry at loake like their implies?
24 25	Q. A.	Okay. This thing is called branch bundle	24 25	there was only, it looks like two inches?  A. Right.

	Page 94		Page 96
1	Q. Why would that be, because it was	1	Q. What I want to do now, and I think
2	dry?	2	I'm done, I want to go through the documents we
3	A. Yeah. Just dry.	3	copied from your file.
4	Q. From looking at the branch, you	4	opiou nom your me.
5	were able to tell that the tree wasn't dead?	5	(Thereupon, Deposition Exhibit L,
6	A. No. It's definitely going sucker	6	Handwritten Notes, was marked for
7	probably for 20 years, but the main trunk is	7	purposes of identification.)
8	what's dying.	8	
9	Q. Upon what do you base your opinion	9	Q. Showing you what we marked as
10	that the tree could have been left to maturity	10	Exhibit L. This was a single page and I don't
11	with little or no pruning, posing no threat to	11	know if it connected to another one or not.
12	the power lines?	12	This is your handwriting, first of all,
13	A. Just based on the normal	13	correct?
14	characteristics of a fastigiate tree that it	14	A. Correct.
15	goes in a very, very tight column and it does	15	Q. There is a series of numbers and
16	not get wide and just the fact that it's very	16	then answers. Were you helping out with the
17	slow growing as well.	17	interrogatory responses here?
18	Q. That's on the tree end, but on the	18	A. Yes.
19	line end, you don't know what the definition of	19	Q. Were these notes that you made and
20	how close a tree can get before it is a threat,	20	gave to Dr. Paquelet or
21	right?	21	A. No. I did the interrogatory. I
22	A. Right.	22	prepared it.
23	Q. Do you know that voltage can arc,	23	Q. You answered them?
24	for example?	24	A. Yes.
25	A. Oh, yeah.	25	11. 103.
-	<del></del>		7 07
1	Page 95 Q. And you don't know what the arc	_	Page 97
1			(Thereupon Denosition Exhibit M
		1	(Thereupon, Deposition Exhibit M,
2	potential of this line would be?	2	Proposal Dated 2/4/12, was marked
2 3	potential of this line would be?  A. No.	2	• •
2 3 4	potential of this line would be?  A. No.  Q. So when you talk about a threat to	2 3 4	Proposal Dated 2/4/12, was marked for purposes of identification.)
2 3 4 5	potential of this line would be?  A. No.  Q. So when you talk about a threat to the power line in the context you are using it	2 3 4 5	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a
2 3 4 5 6	potential of this line would be?  A. No.  Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?	2 3 4 5 6	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated
2 3 4 5 6 7	potential of this line would be?  A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about	2 3 4 5 6 7	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?
2 3 4 5 6 7 8	potential of this line would be?  A. No.  Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance.	2 3 4 5 6 7 8	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.
2 3 4 5 6 7 8 9	potential of this line would be?  A. No.  Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance.  Q. Clearance of how many feet?	2 3 4 5 6 7 8 9	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out
2 3 4 5 6 7 8 9	potential of this line would be?  A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm	2 3 4 5 6 7 8 9	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with
2 3 4 5 6 7 8 9 10	potential of this line would be?  A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure.	2 3 4 5 6 7 8 9 10	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?
2 3 4 5 6 7 8 9 10 11	potential of this line would be?  A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet?	2 3 4 5 6 7 8 9 10 11 12	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal.	2 3 4 5 6 7 8 9 10 11 12 13	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes.  Q. And does this refresh your
2 3 4 5 6 7 8 9 10 11 12 13	potential of this line would be?  A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact?  A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within	2 3 4 5 6 7 8 9 10 11 12 13	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report? A. Yes. Q. And does this refresh your recollection
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes.  Q. And does this refresh your recollection  A. We didn't think it would be going this far, just a handshake kind of thing in the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates.  Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes.  Q. And does this refresh your recollection  A. We didn't think it would be going this far, just a handshake kind of thing in the beginning.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea. Q. I'm almost done. I'm doing pretty	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection  A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea. Q. I'm almost done. I'm doing pretty good here.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report? A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea. Q. I'm almost done. I'm doing pretty good here. I might have asked you this and I	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report? A. Yes. Q. And does this refresh your recollection  A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by Dr. Paquelet or do you still think it was right
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea. Q. I'm almost done. I'm doing pretty good here. I might have asked you this and I apologize. You are not offering any opinion on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by Dr. Paquelet or do you still think it was right around the first of the year and this would
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company— A. I have no idea. Q. I'm almost done. I'm doing pretty good here. I might have asked you this and I apologize. You are not offering any opinion on whether the company's specifications are	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by Dr. Paquelet or do you still think it was right around the first of the year and this would have been prepared a little bit later?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company A. I have no idea. Q. I'm almost done. I'm doing pretty good here. I might have asked you this and I apologize. You are not offering any opinion on whether the company's specifications are correct within the utility industries for	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by Dr. Paquelet or do you still think it was right around the first of the year and this would
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. No. Q. So when you talk about a threat to the power line in the context you are using it at, are you talking about actual contact? A. No, I'm just talking about clearance. Q. Clearance of how many feet? A. Whatever the utility needs. I'm not sure. Q. We just read 15 feet? A. Right. 15 feet is normal. Q. Do you know if this tree was within 15 feet of the power line before the company— A. I have no idea. Q. I'm almost done. I'm doing pretty good here. I might have asked you this and I apologize. You are not offering any opinion on whether the company's specifications are	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Proposal Dated 2/4/12, was marked for purposes of identification.)  Q. Showing you Exhibit M. This is a proposal that was in your file and it's dated February 4 of 2012. What is this?  A. This is my rates. Q. Okay. Why did you write this out in 2012 after was it in connection with getting ready to do your report?  A. Yes. Q. And does this refresh your recollection A. We didn't think it would be going this far, just a handshake kind of thing in the beginning. Q. Does this, by chance, refresh your recollection of when you were contacted by Dr. Paquelet or do you still think it was right around the first of the year and this would have been prepared a little bit later?

	Page 98		Page 100
1	Interrogatory Responses, was marked	1	Q. Two weeks earlier?
2	for purposes of identification.)	2	A. Yeah.
3		3	
4	Q. This one, I believe, should be near	4	(Thereupon, Deposition Exhibit P,
5	Exhibit L because it and maybe I'm wrong,	5	Letter Dated October 16, 2011, was
6	but is this also interrogatory responses? And	6	marked for purposes of
7	I'm showing you Exhibit N.	7	identification.)
8	A. Yes. Yes.	8	
9	Q. Okay. And you've got at the top	9	Q. And Exhibit P, what is that?
10	there Dr. Paquelet, DY visit, what does that	10	A. That's a letter that my boss, Bill
11	mean?	11	Hendricks, sent to Dr. Paquelet asking him to
12	A. I was going to visit him, but I	12	basically be the expert witness on this case.
13	never got the time to go see him.	13	Q. It's the other way around, right,
14	Q. You weren't saying in there that	14	Dr. Paquelet sent it to Bill?
15	you were together in a visit when you were	15	A. Right.
16	doing these?	16	Q. Bill decided not to do it and gave
17	A. No. That was a note to myself to	17	you the assignment?
18	call up and set up a visit, but that just	18	A. Right. Bill is not qualified to do
19	didn't happen.	19	it. He is a very good plants man, but not an
20	didir t nappen.	20	arborist.
21	(Thereupon, Deposition Exhibit O,	21	Q. Do you see up there on the upper
22	Rough Draft of Douglas Yates'	$\begin{vmatrix} 21\\22\end{vmatrix}$	left we have got 3 to 5K on the upper left
23	Report, was marked for purposes of	23	corner of that?
24	identification.)	24	A. Uh-huh.
2 <del>1</del> 25	identification.)	25	Q. That's your writing?
23		23	<del></del>
1	Page 99 Q. Showing you what we have got marked	1	Page 101 A. That's my writing.
2	Defendant's Exhibit O. These were also notes	2	Q. So already October 16 of 2011
3	from your file, correct?	3	before you had reviewed anything at all, you
4	A. Correct	4	already had an opinion that the damages would
5	Q. And tell me what that says?	5	be 3 to \$5,000?
- 6	A. This is the rough draft of my	6	A. Yes.
7	report.	7	Q. What's that other eight feet by
8	Q. You have, up at the top, a series	8	something?
9	of numbers, 8, 5, 9, 8, 2005. Do you know what	9	A. Eight inch diameter.
10	that means?	10	Q. Oh. I see. Eight inch by.
11	A. No idea.	11	A. Eight inch diameter.
12		12	Q. What is that here?
	-	13	
13 14	A. That was a note I wrote to myself. When I do appraisals, I always guess in my head		
14	before I go through the formula what it's going	14	•
		15	recollection that you may have started working
16	to be. And I was assuming it was going to be	16	on this as early as October of 2011 rather than
17	between 3 and 5,000.	17	January of 2012? A. Yes. That does.
18	Q. What did you base that on? Just by	18	
19	knowing what kind of tree it was?	19	Q. Did you ever take any effort in
20	A. Just by doing hundreds and hundreds	20	order to verify any of that suspicion that
21	of appraisals.	21	Dr. Paquelet gave you suspecting, second to the
22	Q. When did you write this out in	22	last paragraph, that the crew that pruned his
23	connection with when you authored the report?	23	trees used the lower wire as a guide and
24 25	We know the report I think was February 7.  A. Probably two weeks later.	24	achieved clearance of 12 feet?
	A Probably two weeks later	25	A. No.

	Page 102		Page 104
1	Q. That very opinion of Dr. Paquelet	1	Utility Pruning of Trees, was marked
2	also made it into your testimony before the	2	for purposes of identification.)
3	PUCO, didn't it?	3	
4	A. Yes.	4	Q. I'm going to show you Exhibit Q,
5	Q. So really what you are doing is	5	and I know that this is also in your file and
6	just restating what was Dr. Paquelet's opinion	6	we had briefly alluded to it before, but I want
7	· · · · · · · · · · · · · · · · · · ·		to ask you a couple questions.
8	A. Correct.	7 8	A. Uh-huh.
9	Q. You didn't make that clear, but to	9	Q. What's Exhibit Q?
10	the PUCO, you told the PUCO, you are telling	10	A. It's Best Management Practices for
11	them it's your opinion, right?	11	Utility Pruning of Trees.
12	A. Okay.	12	Q. And what organization printed this?
13	•	13	
14		1	A. This is printed by the ISA.
1		14	Q. All right. And this is printed to
15	Q. That really isn't	15	be a companion or an explanation, if you will,
16	A. That isn't my opinion.	16	for ANSI A300, correct?
17	Q. Fair enough. Okay. Did you ever	17	A. Correct.
18	have meetings with Dr. Paquelet?	18	Q. Now, focusing on this guideline, I
19	A. Yes.	19	am after the introduction, the next page,
20	Q. Were they here at the nursery?	20	purpose of utility facility pruning?
21	A. Yes.	21	A. Uh-huh.
22	Q. How many meetings?	22	Q. Did you rely on this in forming
23	A. Two or three.	23	your opinions?
24	Q. You have to go by your own	24	A. Yes.
25	recollection. He is doing really good.	25	Q. And it says in that second
	Page 103		Page 105
1	A. Three, I believe.	1	paragraph that in some areas, government
2	Q. And is Dr. Paquelet a customer of	2	authorities have adopted performance standard
3	this nursery?	3	such as mandatory minimum clearances between
4	A. Yes.	4	conductors and vegetation. The question I have
5	Q. And do you know how much money per	5	is do you know if that is the case in Ohio?
6	year he spends here?	6	A. No, I don't know.
7	A. No.	7	Q. It makes a point that the purposes
8	Q. Do you know how long he has been a	8	of, then going in the next paragraph, utility
9	customer?	9	pruning operations should remove only those
10	A. About 20 years.	10	branches necessary to ensure the effective
11	Q. Tell me Bill's last name again?	11	intended use of the utility space, correct?
12	A. Hendricks, H-E-N-D-R-I-C-K-S.	12	A. Correct.
13	Q. Did you ever speak to Bill	13	Q. And that's what we have talked
14	Hendricks about your opinions or consult with	14	about where before, you don't know what that
15	him once he handed this off to you?	15	utility space, what that distance is, correct?
16	A. No. I'm very clear about those.	16	A. Correct.
1 4 -	Q. Okay. You want to keep your job?	17	Q. It also states at the last sentence
17		1	there that at the same time, any adequate
18	A. Yes.	18	·
18 19	<ul><li>A. Yes.</li><li>Q. Give me a moment off the record to</li></ul>	18 19	clearance could result in service
18	A. Yes.	1	·
18 19	<ul><li>A. Yes.</li><li>Q. Give me a moment off the record to</li></ul>	19	clearance could result in service
18 19 20	A. Yes.  Q. Give me a moment off the record to go through my outline and I think we are about	19 20	clearance could result in service interruptions, damage to infrastructure and
18 19 20 21	A. Yes. Q. Give me a moment off the record to go through my outline and I think we are about done.	19 20 21	clearance could result in service interruptions, damage to infrastructure and safety hazard. You don't disagree with that,
18 19 20 21 22	A. Yes. Q. Give me a moment off the record to go through my outline and I think we are about done.	19 20 21 22	clearance could result in service interruptions, damage to infrastructure and safety hazard. You don't disagree with that, right?

2 diffe	Page 106 s, "Utility pruning is often perceived	_	Page 108
2 diffe	s, "Utility pruning is often perceived		
3		1	we can talk more? That's it?
<b>I</b>	erently from other types of pruning."	2	A. That's it.
4 are	And then it looks like some words	3	Q. That's all I have. Now, we have
<b>I</b>	missing. Something, something, "the	4	the opportunity to discuss signature and I know
, -	ectives are different." Do you agree with	5	you are aware of that, but again, I will put it
6 that		6	on the record. You have a chance to read this
	A. Yes.	7	over. We are going to request the transcript
	Q. And then finally, under Pruning	8	to be done by Monday, so you would have to kind
	hod, which is just a couple of pages back,	9	of hurry it up before Thursday. Or you can
	ning Method, according to this, this	10	waive that right. It doesn't matter to me.
_	lication, the best management practices	11	You need to tell us what you want to do.
	e, it states in that first paragraph, "There	12	A. I need to see it.
	d be many acceptable approaches. While	13	(The deposition concluded at 12:10 p.m.)
	ry effort should be made to minimize injury	14	
	ees, however, utility pruning operations	15	
	t achieve required clearance objectives."	16	
17	It says that, right?	17	
	A. Yes.	18	
19	Q. You don't disagree with that	19	
20 eith	er?	20	
21 .	A. No.	21	
22	Q. One more sentence. "Achieving the	22	
23 requ	nired objectives may require considerable	23	
24 char	nge in the appearance of the tree; however,	24	
25 the	visual impact of utility pruning will be	25	
	Page 107		Page 109
	ened as the tree responds to new growth."	1	Whereupon, counsel was requested to give
2	Now, here you will agree with me	2	instruction regarding the witness's review of
3 ther	e was considerable change to the tree.	3	the transcript pursuant to the Civil Rules.
4 .	A. Right.	4	
5 (	Q. That's really why we are here.	5	SIGNATURE:
6 .	A. Okay.	6	Transcript review was requested pursuant to the
7 (	Q. Okay. Did you include this in your	7	applicable Rules of Civil Procedure.
8 file	because you agree with this publication?	8	
9 .	A. Yes.	9	TRANSCRIPT DELIVERY:
10	Q. All right. So this is kind of	10	Counsel was requested to give instruction
	ing me then with the question of what is	11	regarding delivery date of transcript.
	opinion, your opinion, not an opinion that	12	MS. HASBROOK: Original.
13 othe	ers gave you, what is your opinion as to	13	
	t Ohio Edison did wrong here?	14	
15	A. What they did wrong was make the	15	
16 cuts	wrong on the tree, improper cuts.	16	
17	Q. Improper in that they cut the side	17	
18 bran	nches too far?	18	
19	A. The side branches and the top are	19	
20 way	too big for the branches that are left.	20	
1	Q. I got it. But you don't know if	21	
22 they	could have done it any other way and	22	
_	eved the required clearances?	23	
l	A. No.	24	
25	Q. Do you hold any other opinions so	25	

	Page 110		Page 112
1	REPORTER'S CERTIFICATE	1 DEPOSITION REVIEW	rage 112
2	The State of Ohio, )	CERTIFICATION OF WITNESS 2	
3	SS:	ASSIGNMENT NO. 1502795	
4	County of Cuyahoga. )	3 CASE NAME: Paquelet, Charles v. Ohio Edison Company DATE OF DEPOSITION: 6/4/2012	
5	county of cuyanoga.	4 WITNESS' NAME: Douglas Yates	
6	I, Eva Petrone, a Notary Public	5 In accordance with the Rules of Civil Procedure, I have read the entire transcript of my testimony or it	
7	within and for the State of Ohio, duly	6 has been read to me.	
8	commissioned and qualified, do hereby certify	7 I have made no changes to the testimony as transcribed by the court reporter.	
9	that the within named witness, DOUGLAS YATES,	8	
10	was by me first duly sworn to testify the		
11	truth, the whole truth and nothing but the	10 Date Douglas Yates 11	
12		Sworn to and subscribed before me, a Notary Public in	
	truth in the cause aforesaid; that the	12 and for the State and County, the referenced witness did personally appear and acknowledge that:	
13	testimony then given by the above-referenced	13	
14	witness was by me reduced to stenotypy in the	They have read the transcript;  They signed the foregoing sworn Statement; and	
15	presence of said witness; afterwards	Their execution of this Statement is of their free	
16	transcribed, and that the foregoing is a true	15 act and deed. 16	
17	and correct transcription of the testimony so	I have affixed my name and official seal this	
18	given by the above-referenced witness.	17 day of, ,20	
19	I do further certify that this	18	
20	deposition was taken at the time and place in	19	
21	the foregoing caption specified and was	20 Notary Public	
22	completed without adjournment.	21	
23		22 Commission Expiration Date	
24		23 24	
25		25	
	Page 111		
		1 DEDOCITION DELIEU	Page 113
1	I do further certify that I am not	1 DEPOSITION REVIEW CERTIFICATION OF WITNESS	Page 113
2	I do further certify that I am not a relative, counsel or attorney for either	CERTIFICATION OF WITNESS 2	Page 113
	I do further certify that I am not a relative, counsel or attorney for either party, or otherwise interested in the event of	CERTIFICATION OF WITNESS  ASSIGNMENT NO. 1502795 CASE NAME: Paquelet, Charles v. Ohio Edison Company	Page 113
2	I do further certify that I am not a relative, counsel or attorney for either party, or otherwise interested in the event of this action.	CERTIFICATION OF WITNESS 2 ASSIGNMENT NO. 1502795	Page 113
2 3	I do further certify that I am not a relative, counsel or attorney for either party, or otherwise interested in the event of this action.  IN WITNESS WHEREOF, I have hereunto	CERTIFICATION OF WITNESS  ASSIGNMENT NO. 1502795  CASE NAME: Paquelet, Charles v. Ohio Edison Company DATE OF DEPOSITION: 6/4/2012  WITNESS' NAME: Douglas Yates  In accordance with the Rules of Civil Procedure,	Page 113
2 3 4	I do further certify that I am not a relative, counsel or attorney for either party, or otherwise interested in the event of this action.  IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of office at	CERTIFICATION OF WITNESS  ASSIGNMENT NO. 1502795  CASE NAME: Paquelet, Charles v. Ohio Edison Company DATE OF DEPOSITION: 6/4/2012  WITNESS' NAME: Douglas Yates  In accordance with the Rules of Civil Procedure, I have read the entire transcript of my testimony or it has been read to me.	Page 113
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	Page 114	
1	ERRATA SHEET	
	RENNILLO DEPOSITION & DISCOVERY - A VERITEXT COMPANY	
2	ASSIGNMENT NO. 1502795	
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3	PAGE/LINE(S) / CHANGE / REASON	
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0006 62:9	2,000 18:8	3009 55:18	80 66:2,10
0007 62:9 79:22	<b>2,168</b> 81:9 82:12	31 4:6	800 21:11
0008 77:12	<b>2,200</b> 81:11,19	32 4:7	9
1	82:10	33 64:4,9,25 66:1,4	<u> </u>
1 43:11 44:22 50:9	2/4/12 4:19 97:2	66:14,17 67:1	9 42:3 43:24 52:21
52:16 57:4 61:21	2/7/12 4:14 56:16	<b>3322</b> 1:21	53:6 54:8 55:6
86:13 111:17	20 4:3 33:20 40:3	<b>34</b> 35:16 36:9	64:16,17,21,23
<b>1,500</b> 18:8	94:7 103:10 112:17	<b>35</b> 4:8	65:16 85:13 99:9
1/3 53:24	113:21 114:21	4	9.1 44:19 47:25
100 4:23 21:10	2000 10:1 82:18	4 1:16 3:5 41:14	9.3 44:3 76:3,21
23:13	2002 7:10,24 8:6	73:23 74:23 89:8	9.3.1 76:5
<b>1006</b> 84:15	61:9	97:7	9.3.1.1 44:8 49:25
103 4:24	2003 68:22 69:2	<b>4.57</b> 41:16	<b>9.3.1.1.</b> 50:22
11 9:4 25:3,8,17,22	<b>2005</b> 9:25 10:1 15:8	40 4:10	<b>9.3.1.1.5</b> 77:3
51:14 69:8 70:18	99:9	419 2:9	<b>9.3.1.3</b> 46:20 47:2
71:5 72:14 74:18,21	<b>2006</b> 35:11 84:14	<b>42</b> 4:13	<b>9.3.1.5</b> 49:5 76:20
87:16	<b>2007</b> 34:10 68:23	<b>43604</b> 2:8	90 34:14 40:17
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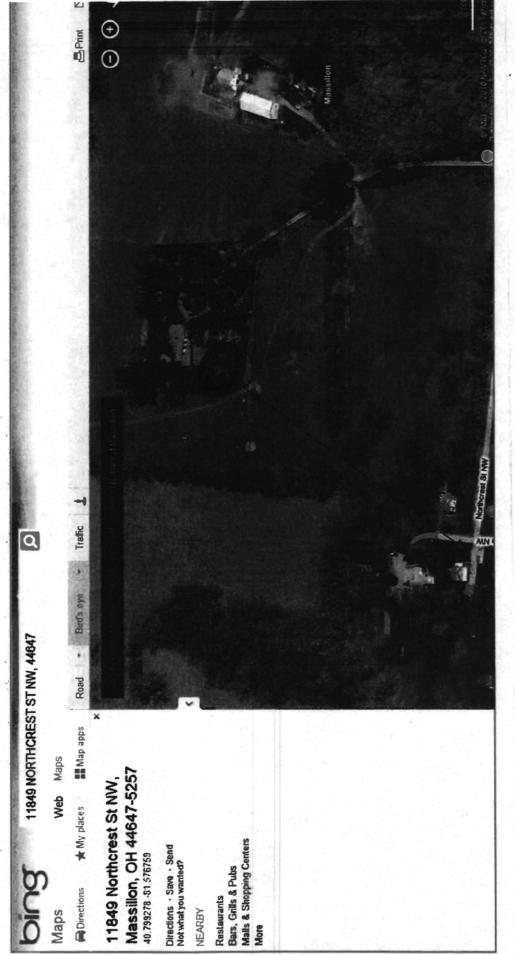
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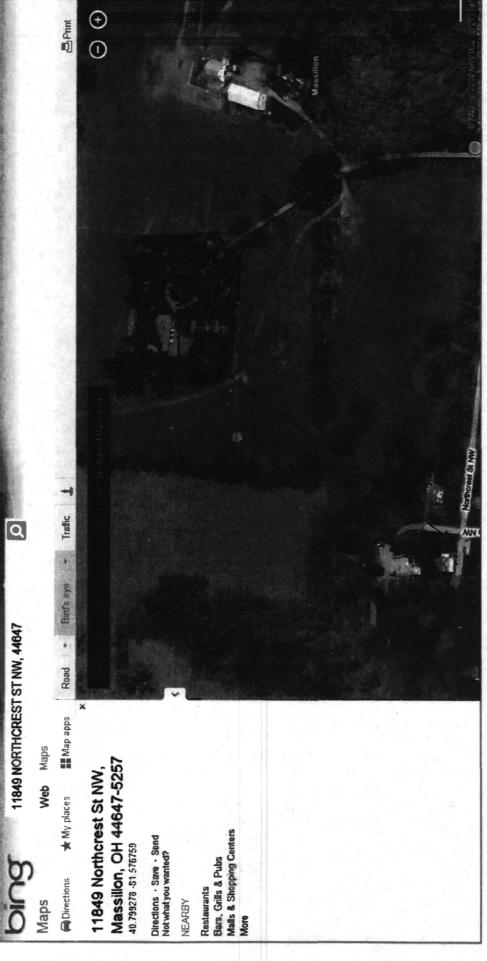
Company Ex. 10



EXHIBIT

OLD-1

Company Ex. 10



EXHIBIT

JL-1