

LG&E / KU Transmission Vegetation Management Program

FAC – 003 – 4 Transmission Vegetation Management

- To maintain a reliable electric transmission system by using a defense-in-depth strategy to manage vegetation located on transmission rights of way (ROW) and minimize encroachments from vegetation located adjacent to the ROW, thus preventing the risk of those vegetation related outages that could lead to cascading.

2017 & 2018 PSC Rate Case Incorporation

- Between January 2012 and June 2016, tree interference caused 19% of transmission outages. These outages were caused by trees falling into lines. A significant percentage of additional momentary outages were caused from brush undergrowth, limbs and trees swaying into and making temporary contact with our lines resulting from narrow corridors and overgrown rights of ways. These situations are especially vulnerable to these types of outages. To reduce outages and improve the overall reliability to our customers, the companies created a cycle based Integrated vegetation management program. Integrated Vegetation Management is considered an industry standard.

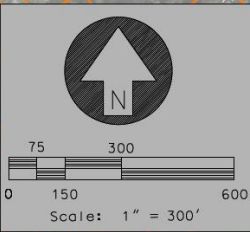
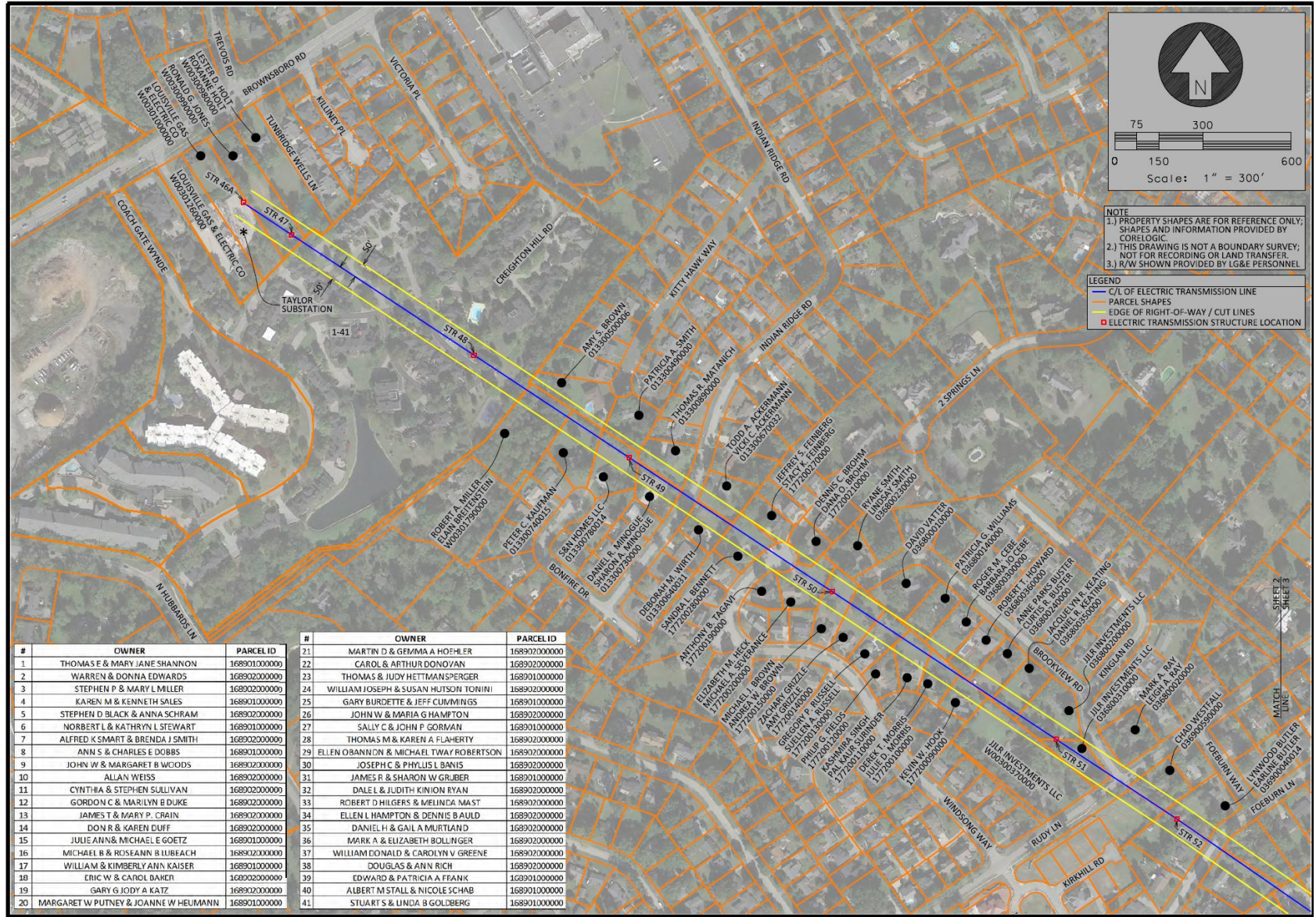
LG&E/KU Transmission Vegetation Management Implementation

- Cycle Based Maintenance
- Establishes Wire Zone / Border Zone Approach to maintain Transmission Rights of Ways
- Implementation of Integrated Vegetation Management (IVM)
- Customer Experience and Mitigation Program

Windy Hills Project Overview

- ~.73 Line Miles
- ~48 Homeowners / Customers
- Project Impacts
 - 100ft. Easement
 - 82ft. Removal Cut Line (Wire Zone)
 - Trim Remaining Trees (Border Zone)
 - If more than 30% of tree is removed, tree may be removed if it is determined it will create a hazard for line or homeowner
 - Assess Border Trees for Health
 - Make determination on risk based to trim or remove





NOTE
 1.) PROPERTY SHAPES ARE FOR REFERENCE ONLY; SHAPES AND INFORMATION PROVIDED BY CORELOGIC.
 2.) THIS DRAWING IS NOT A BOUNDARY SURVEY; NOT FOR RECORDING OR LAND TRANSFER.
 3.) R/W SHOWN PROVIDED BY LG&E PERSONNEL

LEGEND
 — C/L OF ELECTRIC TRANSMISSION LINE
 — PARCEL SHAPES
 — EDGE OF RIGHT-OF-WAY / CUT LINES
 ● ELECTRIC TRANSMISSION STRUCTURE LOCATION

#	OWNER	PARCEL ID
1	THOMAS F & MARY JANE SHANNON	168901000000
2	WARREN & DONNA EDWARDS	168902000000
3	STEPHEN P & MARY L MILLER	168902000000
4	KAREN M & KENNETH SALES	168901000000
5	STEPHEN D BLACK & ANNA SCHRAM	168902000000
6	NORBERT L & KATHRYN L STEWART	168901000000
7	ALFRED K SMART & BRENDA J SMITH	168902000000
8	ANN S & CHARLES E DOBBS	168901000000
9	JOHN W & MARGARET B WOODS	168902000000
10	ALLAN WEISS	168902000000
11	CYNTHIA & STEPHEN SULLIVAN	168902000000
12	GORDON C & MARILYN B DUKE	168902000000
13	JAMES T & MARY P. CRAIN	168902000000
14	DON R & KAREN DUFF	168902000000
15	JULIE ANN & MICHAEL E GOETZ	168901000000
16	MICHAEL B & ROSEANN B LUBEACH	168902000000
17	WILLIAM & KIMBERLY ANN KAISER	168901000000
18	ERIC W & CAROL BAKER	168902000000
19	GARY G JODY A KATZ	168902000000
20	MARGARET W PUTNEY & JOANNE W HEUMANN	168901000000

#	OWNER	PARCEL ID
21	MARTIN D & GEMMA A HOEHLER	168902000000
22	CAROL & ARTHUR DONOVAN	168902000000
23	THOMAS & JUDY HETTMANSPERGER	168901000000
24	WILLIAM JOSEPH & SUSAN HUTSON TONINI	168902000000
25	GARY BURDETTE & JEFF CUMMINGS	168901000000
26	JOHN W & MARIA G HAMPTON	168902000000
27	SALLY C & JOHN P GORVAN	168901000000
28	THOMAS M & KAREN A FLAHERTY	168902000000
29	ELLEN OBANNON & MICHAEL TWAY ROBERTSON	168902000000
30	JOSEPH C & PHYLIS L BANIS	168902000000
31	JAMES R & SHARON W GRUBER	168901000000
32	DALE L & JUDITH KINION RYAN	168902000000
33	ROBERT D HILGERS & MELINDA MAST	168902000000
34	ELLEN L HAMPTON & DENNIS B BAUL	168902000000
35	DANIEL H & GAIL A MURTIAND	168902000000
36	MARK A & ELIZABETH BOLLINGER	168902000000
37	WILLIAM DONALD & CAROLYN V GREENE	168902000000
38	DOUGLAS & ANN RICH	168902000000
39	EDWARD & PATRICIA A FRANK	168901000000
40	ALBERT M STALL & NICOLE SCHAB	168901000000
41	STUART S & LINDA B GOLDBERG	168901000000

SHEET 2
 SHEET 3
 MATCH LINE



Communications & Customer Experience

- Letters to affected property owners
 - Includes Property owners whom views are affected
- Arborist to visit each customer to explain process following letter distribution
- Compatible Yard Trees – 10' Foot Maximum Grow Height at Maturity
 - Bushes and Shrubs will remain
- Tree Mitigation Plan
 - Project specific due to extraordinary nature
 - Yard Trees Removed = \$250 per tree (max \$1,500)
 - Wooded Areas = \$1,500 per acre
- Dedicated project phone number and email address
- Customer Experience Survey

Project Timeline

- Property Owner Letters = June 15th
- Arborist Door Knocking = June 21st
- Surveying (Cut Line Staking) = June 21st
- Contractor Mobilization = June 25th
- Expected Completion = August 10th