Chesterfield–Lakeside

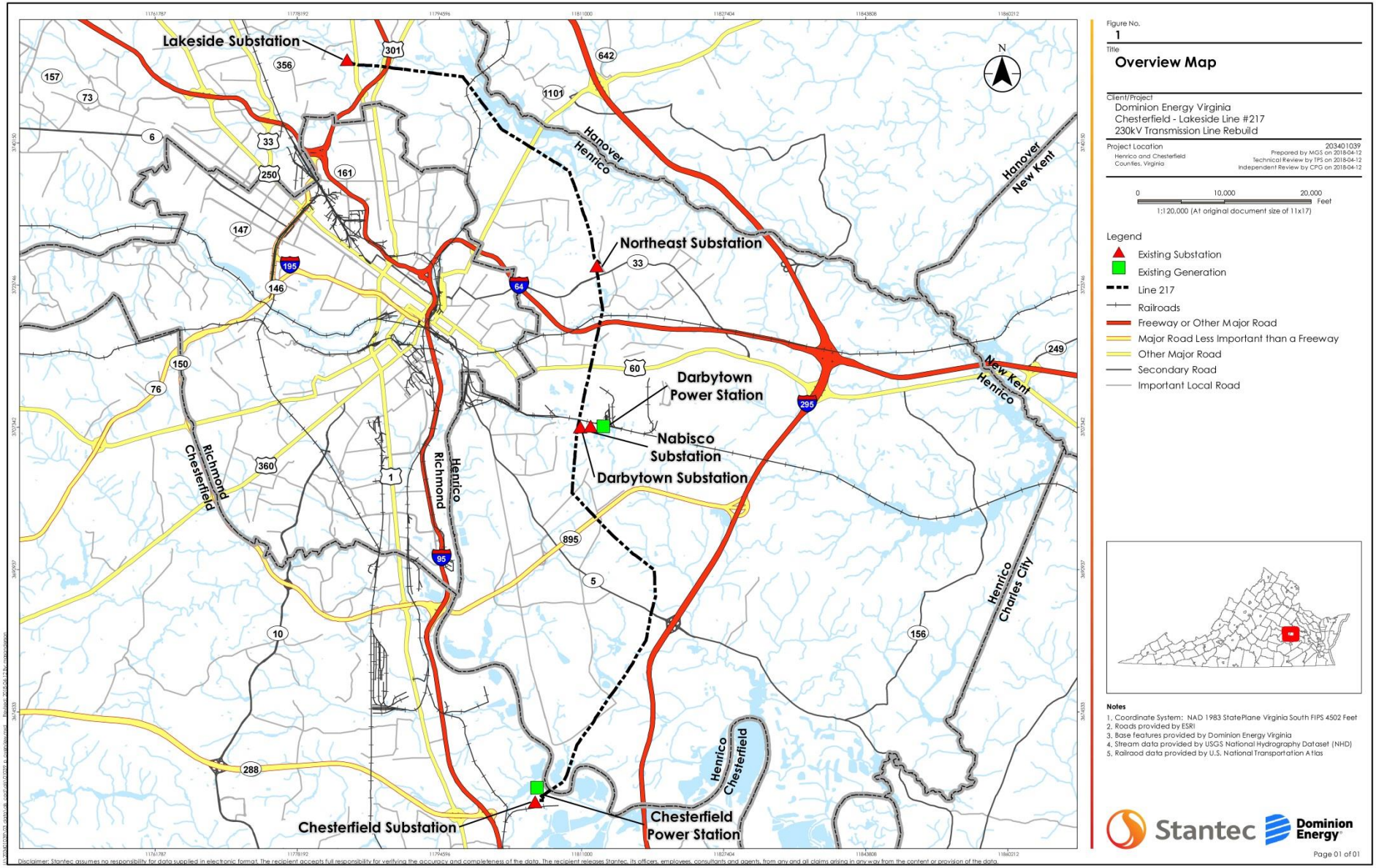
230 kilovolt Transmission Line Rebuild Project

April 2018

Dominion Energy®

Agenda

- Project Need
- Scope of Project
- Community Engagement



Reliability Concerns & Drivers

Approximately 21 miles of 230 kV single-circuit line between Chesterfield–Lakeside substations have reached end of service life

By reconstructing this line, Dominion Energy will also resolve the potential for an identified capacity violation of mandatory North American Electric Reliability Corporation (NERC) reliability standards

- Structures were installed in the late 1950s
- Static wire is also at end of useful life
- Rebuild to current industry standards
- Targeted in-service date: **June 2020**

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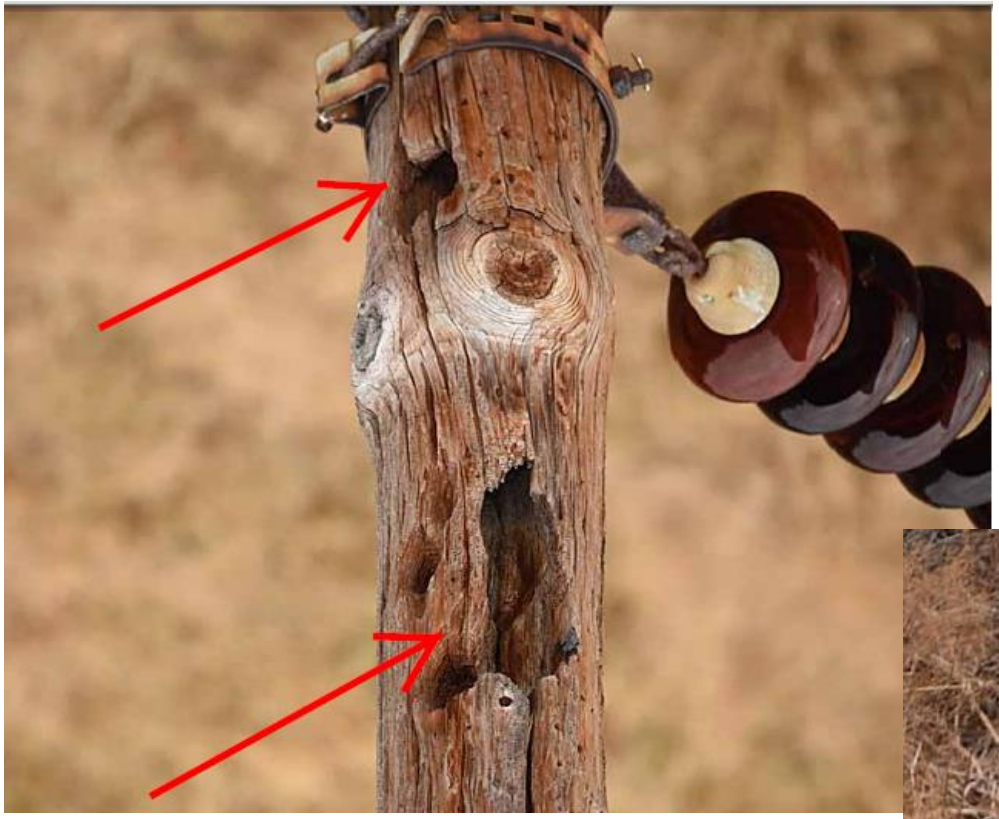
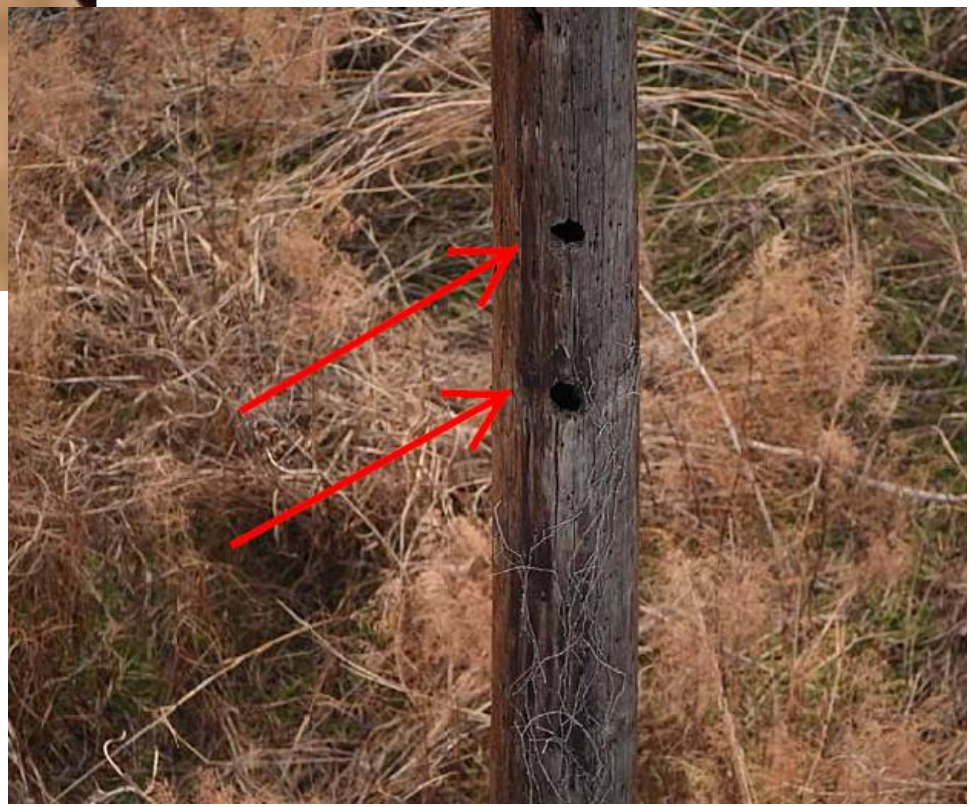


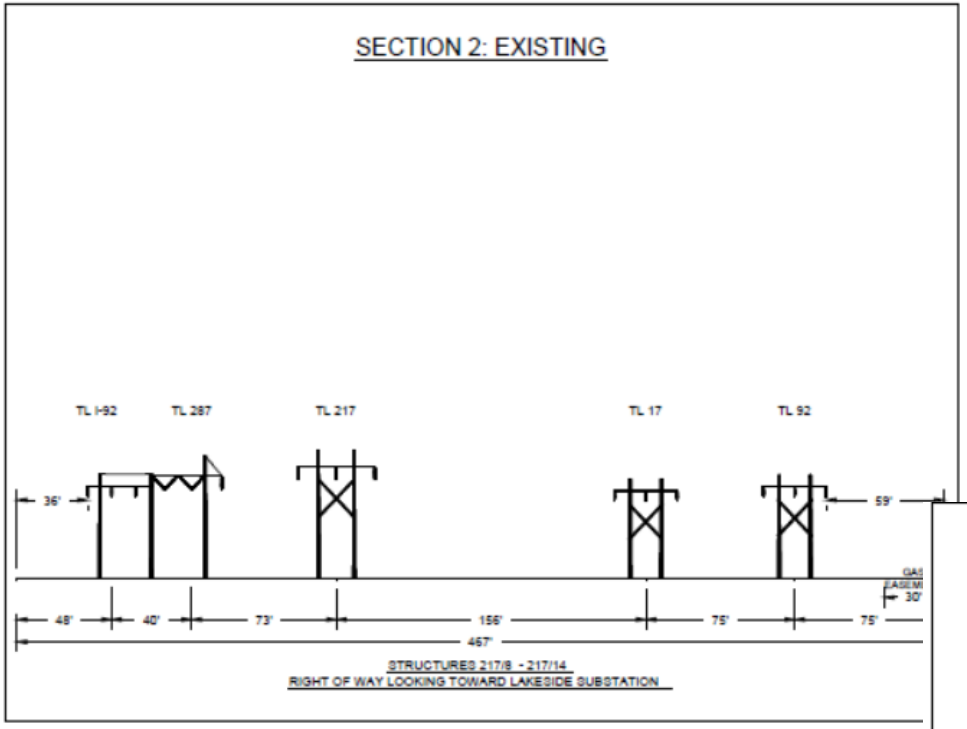


Proposed Solution

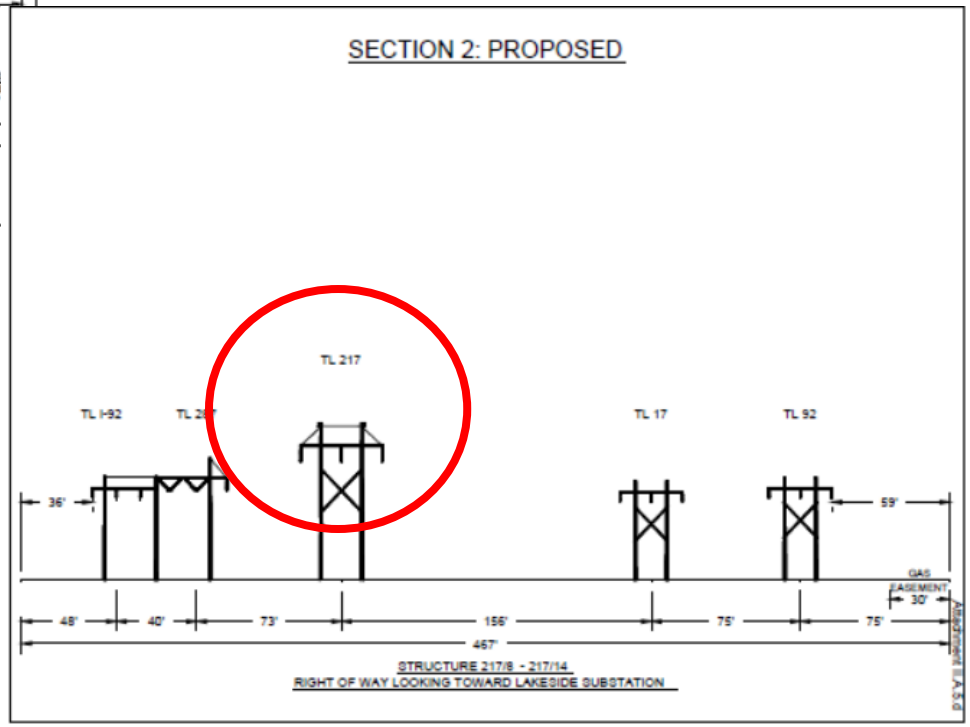
In order to maintain structural integrity and reliability, Dominion Energy proposes to rebuild the existing transmission structures/line and replace fiber

- Located entirely within existing right of way
- Largely replacing wood structures with brown, weathering steel structures
  - Galvanized crossarms and cross braces to be installed
- Proposed weathering steel to match replaced and remaining poles
- Partial colocation with another transmission line

Example of proposed changes



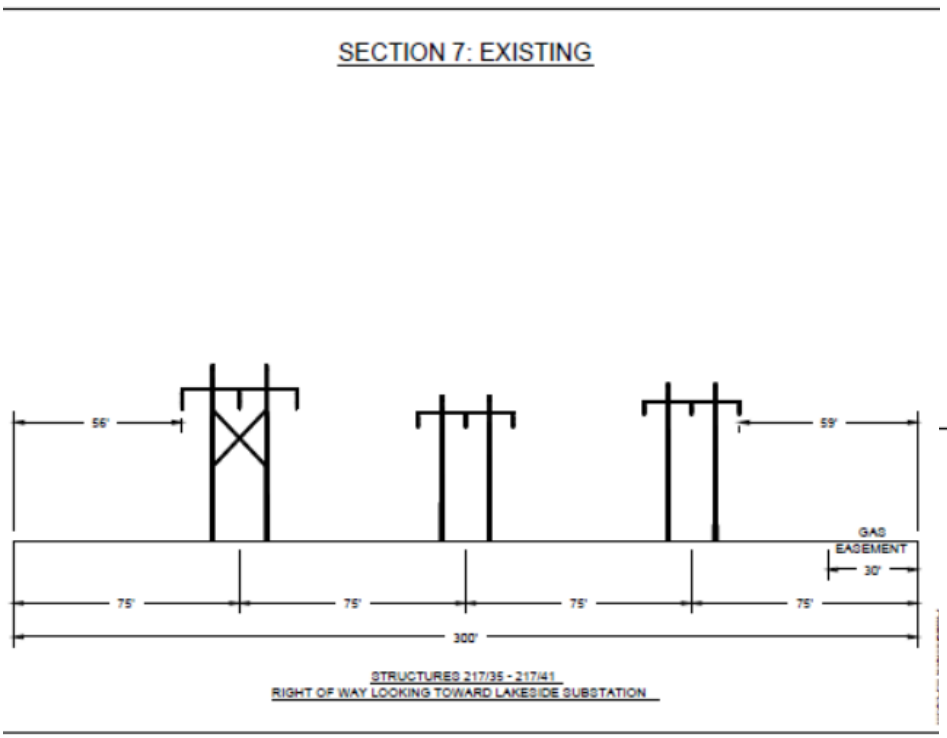
Height range: 57’ – 84’



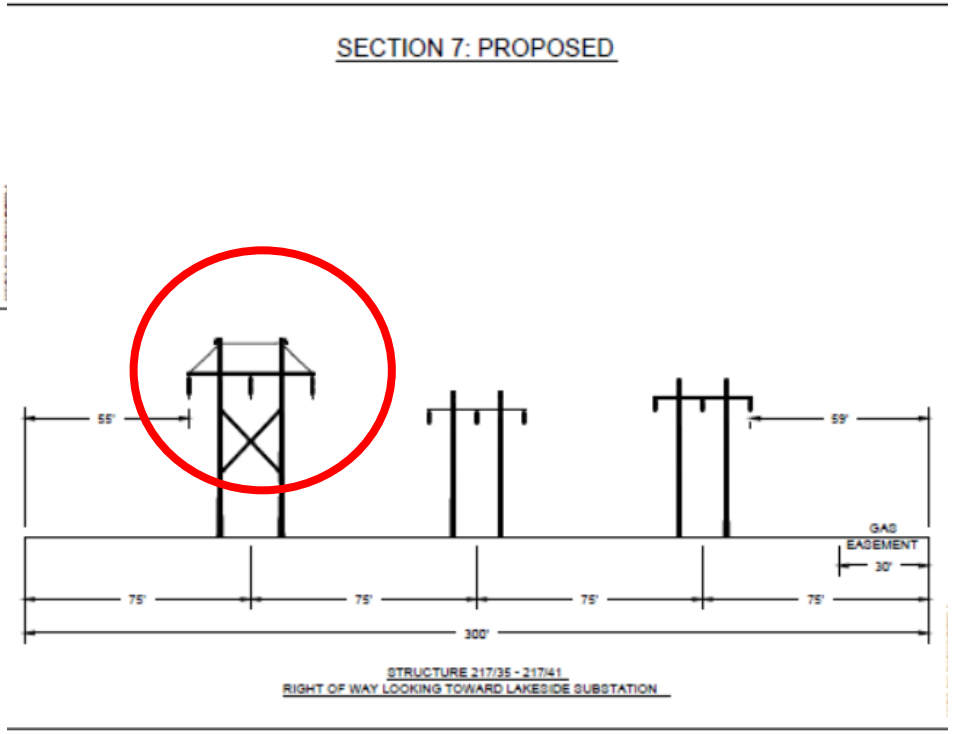
Proposed height range: 75’ – 95’

*Subject to final engineering

Example of proposed changes



Height range: 52’ – 61’

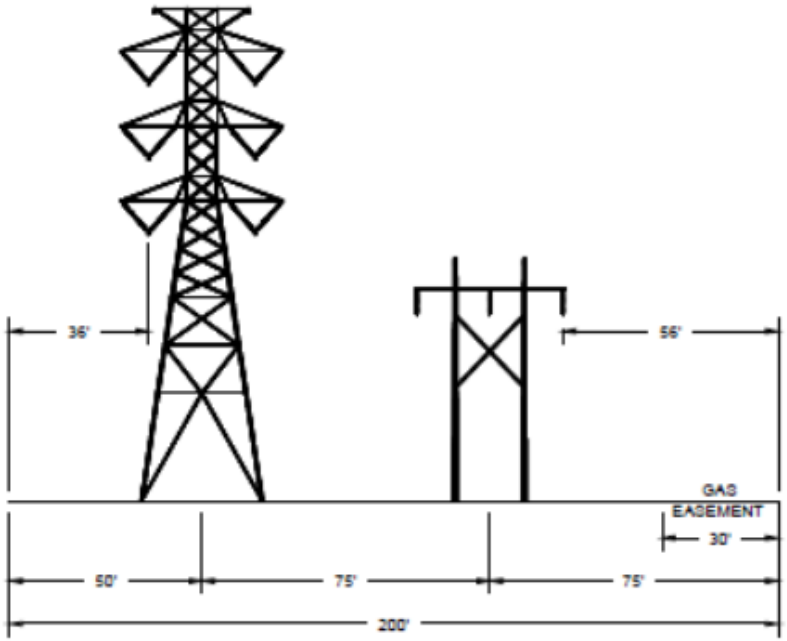


Proposed height range: 60’ – 70’

*Subject to final engineering

Example of proposed changes

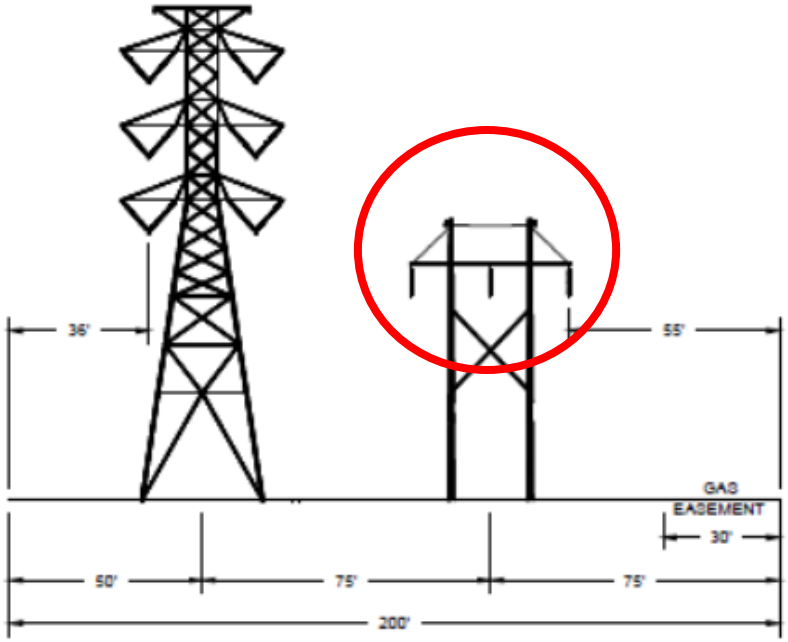
SECTION 9: EXISTING



STRUCTURES 217/57 - 217/77
RIGHT OF WAY LOOKING TOWARD LAKESIDE SUBSTATION

Height range: 56' – 80'

SECTION 9: PROPOSED

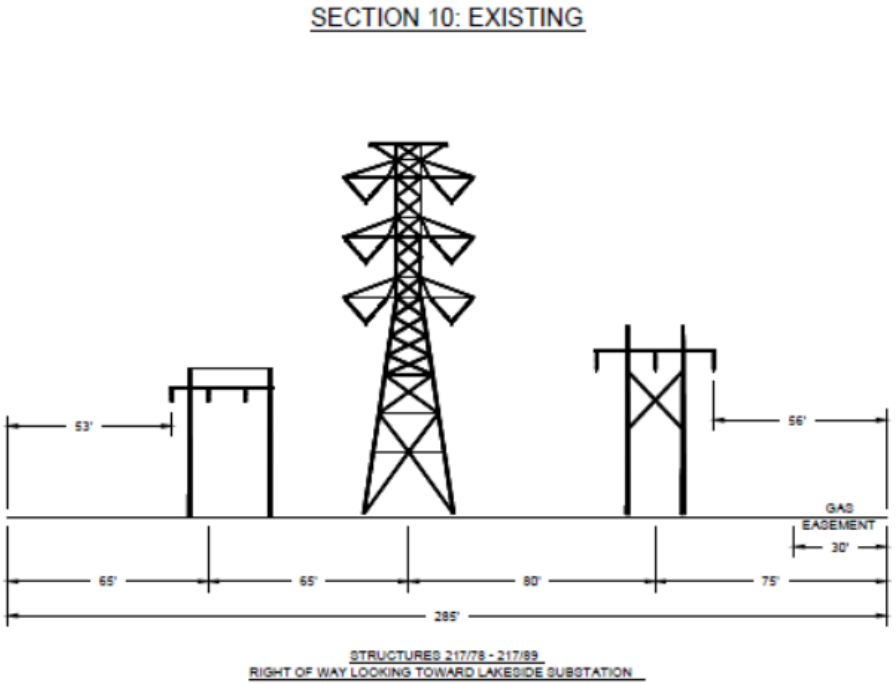


STRUCTURE 217/57 - 217/77
RIGHT OF WAY LOOKING TOWARD LAKESIDE SUBSTATION

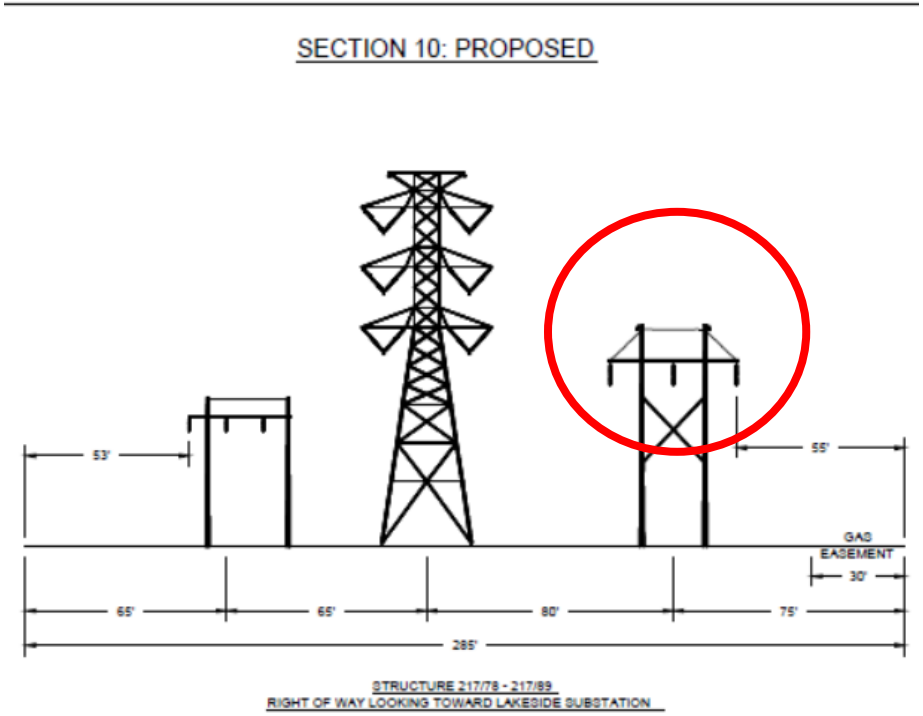
Proposed height range: 60' – 88'

*Subject to final engineering

Example of proposed changes



Height range: 52’ – 75’

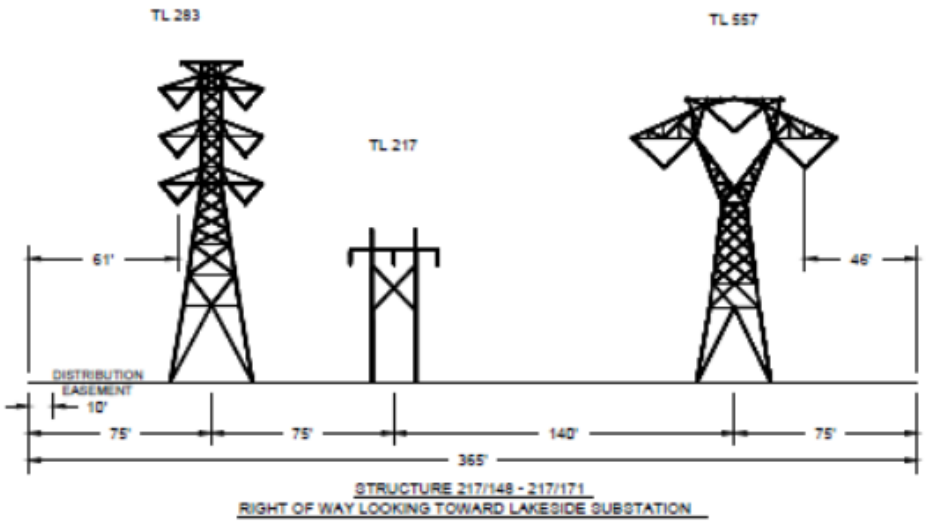


Proposed height range: 60’ – 84’

*Subject to final engineering

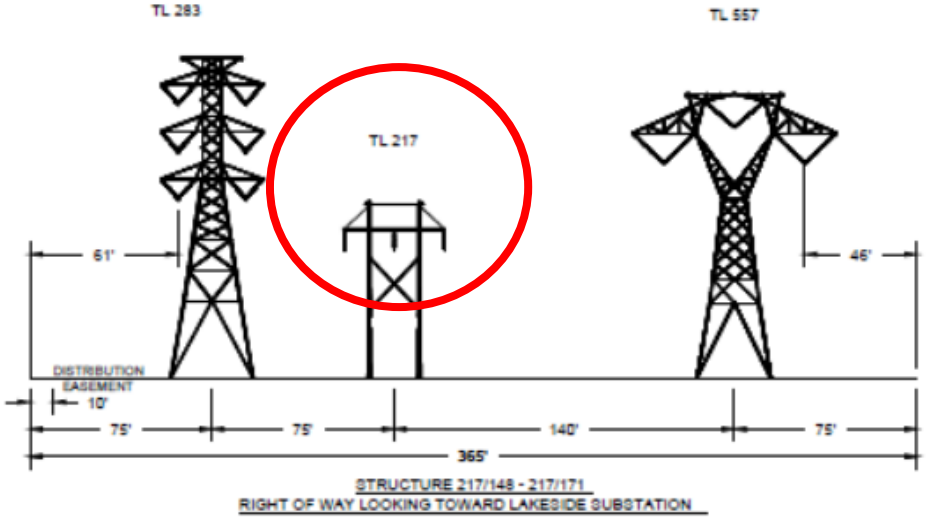
Example of proposed changes

SECTION 15: EXISTING



Height range: 55’ – 70’

SECTION 15: PROPOSED

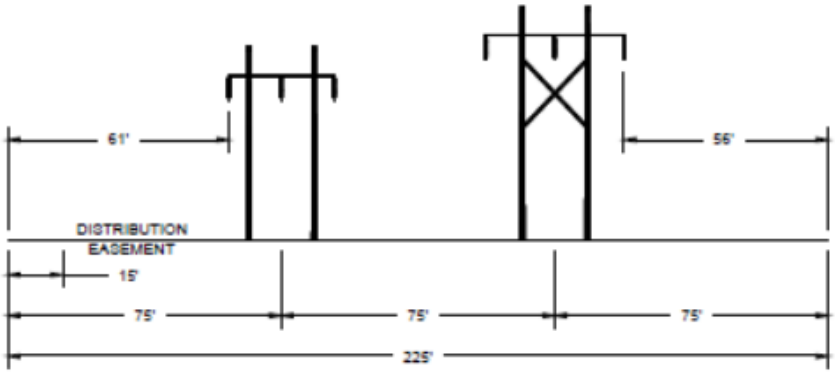


Proposed height range: 60’ – 79’

*Subject to final engineering

Example of proposed changes

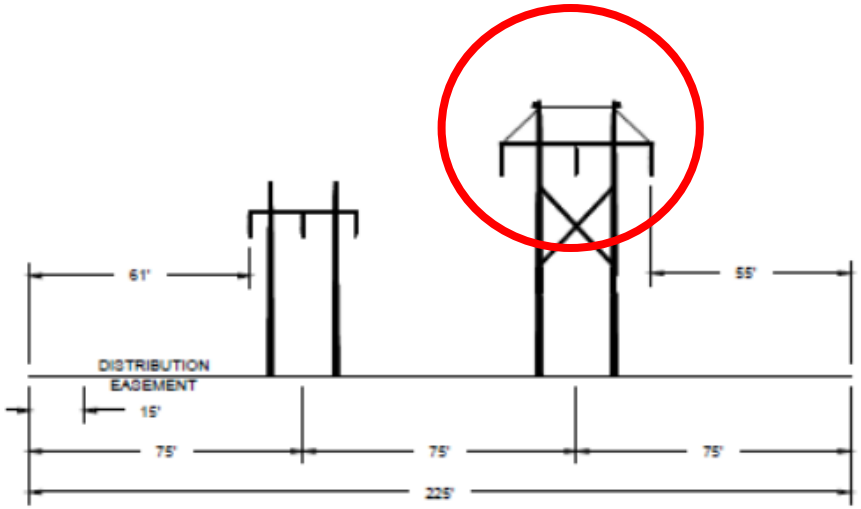
SECTION 16: EXISTING



STRUCTURE 217/172 - 217/197
RIGHT OF WAY LOOKING TOWARD LAKESIDE SUBSTATION

Height range: 52' – 145'

SECTION 16: PROPOSED



STRUCTURE 217/172 - 217/197
RIGHT OF WAY LOOKING TOWARD LAKESIDE SUBSTATION

Proposed height range: 55' – 145'

*Subject to final engineering

The Transmission Line Approval Process

Virginia's State Corporation Commission (SCC) has regulatory authority over all electric utilities and requires that all transmission facilities at or above 138 kV be certified by the SCC.

The SCC determines the need for a proposed line and the route. Among other elements considered, the SCC must determine that the selected route reasonably minimizes the impact on scenic assets, historic districts, and the environment.

Dominion Project Initiation

Development of Route Study Area

Begin Environmental Agency Review

Community Outreach
- Local/County officials
- Mail: property owner notification
- Newspaper: advertisements
- Website: project details available www.dom.com
- Open House informational meetings

Refine Routes/Study Area; Finalize Impact Analysis

Submit Application to SCC

Provide Notice of Filing to cooperatives

Application to SCC

Application available for review on the SCC website www.scc.virginia.gov

Department of Environmental Quality (DEQ) Review & Report
- DEQ coordinates multiple agency review*

SCC Issues Procedural Order
- SCC Review Schedule is set

Public Notice

Dominion is responsible for notifying local government officials, affected landowners and the public about the project

Discovery Begins
- Environmental review begins
- SCC Staff begins review
- SCC may have outside consultants review the case

Public Comments
- Comments can be submitted to the SCC electronically or in writing. www.scc.virginia.gov
- Respondents may participate in the case by filing a notice of participation with the Commission Clerk

Public Hearing

The SCC may conduct public hearings in different areas that may be affected by the project

Respondent Testimony
- Case participants may submit testimony responding to Dominion's application

SCC Staff Testimony Issued

Dominion Response
- Dominion may submit rebuttal testimony responding to Staff Report, DEQ Report and Respondent testimony

Formal Evidentiary Hearing
- The SCC may conduct a formal evidentiary hearing in Richmond
- Testimony is submitted and subject to cross examination by Dominion, participants, and SCC Staff
- A Hearing Examiner usually acts as judge for these proceedings

Hearing Examiner Report
- After hearing the case at formal evidentiary hearing and reviewing all testimony, the Hearing Examiner issues recommendations to the Commission

Comments
- Dominion, participants, and SCC Staff may respond to the Hearing Examiner's Report

SCC Issues Final Order

If approved, the Commission will issue a Certificate of Public Convenience and Necessity authorizing Dominion to construct the needed facilities

"DEQ coordinated agency review includes: Virginia Marine Resources Commission, Department of Conservation & Recreation, Department of Game & Inland Fisheries, Department of Historic Resources and others.

SCC Approval Process Time May Vary

Dominion

Public Participation

SCC

How to comment to the SCC: Public commented related to Commission cases are accepted for a limited time. Cases for which comments are currently being accepted by the SCC are listed in the Public Comments/Notices page.

http://www.scc.virginia.gove/case/publicComments.aspx

This is a conceptual diagram to illustrate the certification process and is not intended to be a legal description.

Public Safety & Access

- Unauthorized Encroachments
  - Primarily sheds
- Mitigation Plan
  - Focus on encroachments in the area of the rebuild project
  - Identify and address safety concerns over the entire right of way
  - Customary approach to fences in the right of way
  - Remove trees near right of way that create safety and reliability challenges
    - Grassroots education on safety and clearing within the community

Next Steps

- April 2018 — Meet with local elected officials
  Project website launched; Dedicated email/phone open
- May 8 & 9, 2018 — Host two public open houses
- Late-May 2018 — File application with VA State Corp. Commission (SCC)
- Q3-Q4 2018 — Procedural order issued, public hearing scheduled
- ~Q1 2019 — Requested date for SCC approval
- June 2020 — Projected in-service date

Questions

Dedicated Project Page:
www.DominionEnergy.com/ChesterfieldLakeside

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