Hollymeade Substation Expansion

SP2022-00021

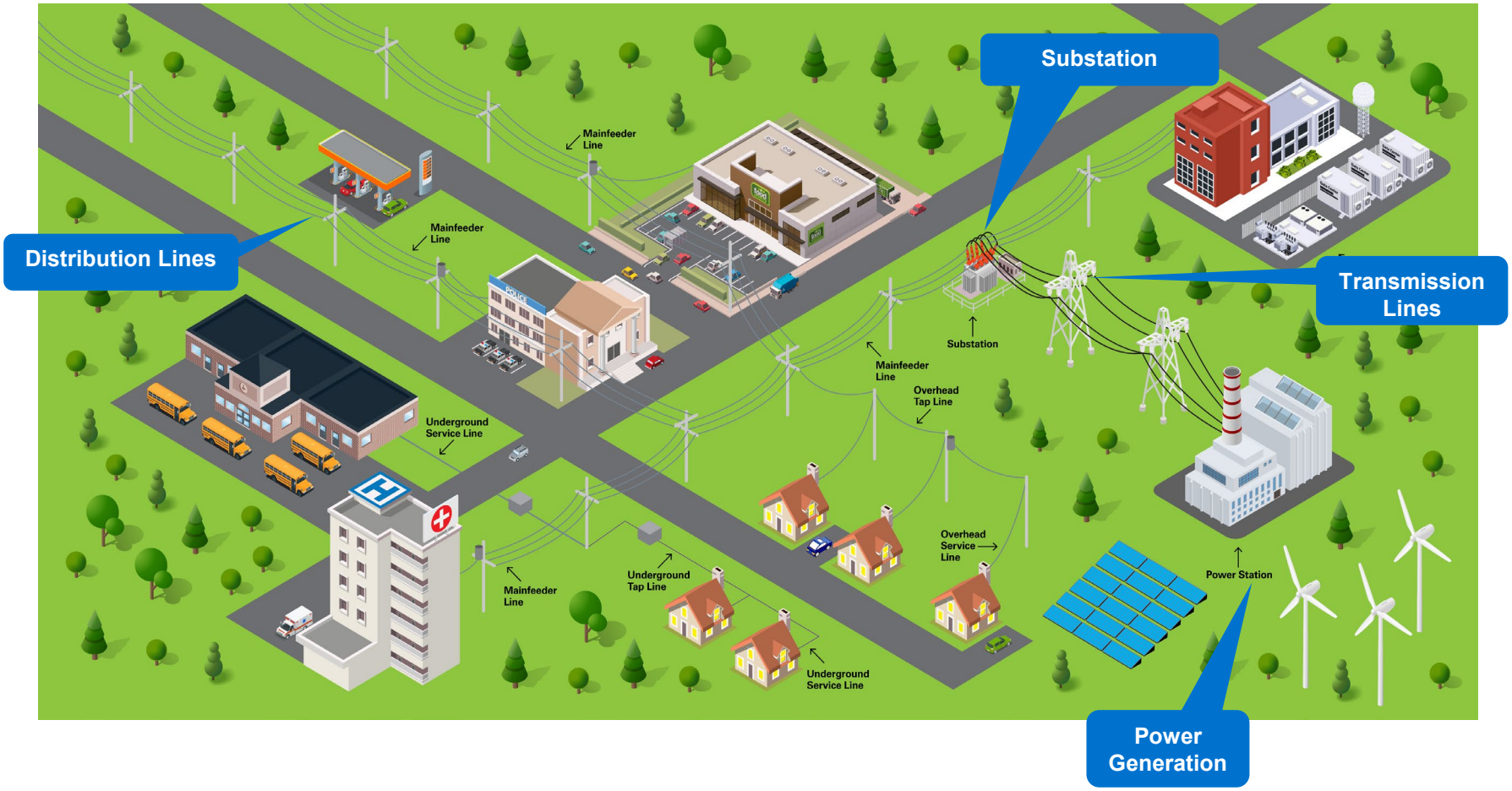


Places 29-North Community Advisory Committee

October 13, 2022

Dominion Energy

Substations: A Vital Role in the Energy Grid



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Forces Driving Infrastructure Need

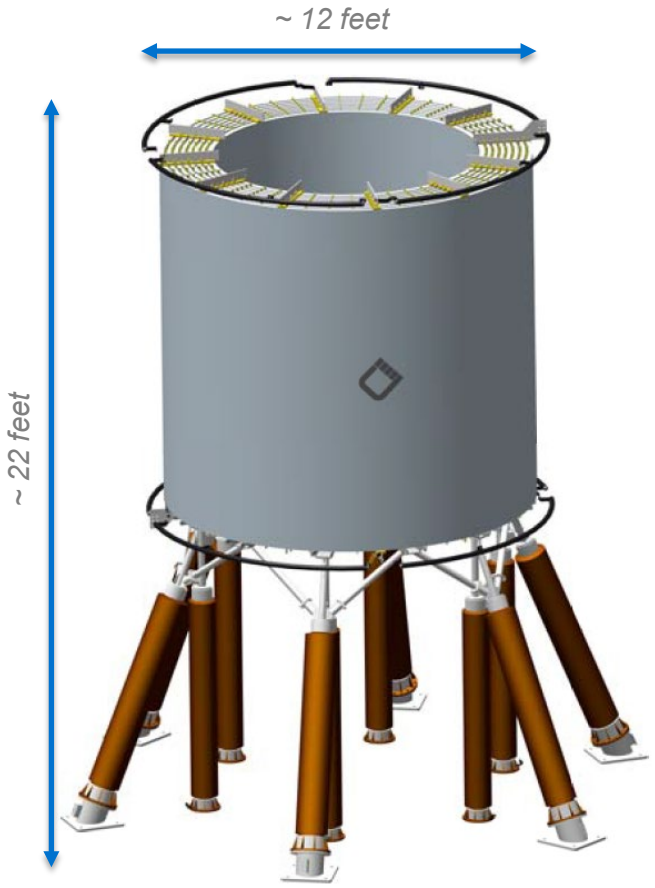
- Economic Growth
- Aging Power Grid Assets
- Addressing Mandatory NERC Criteria Standards



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Project Scope

- Expand Hollymeade Substation to accommodate electric transmission air core series reactors and related equipment
- New equipment will regulate current on electric transmission lines, preventing service issues on congested lines
- Purpose:
  - Extend life of existing equipment
  - Maintain reliable service



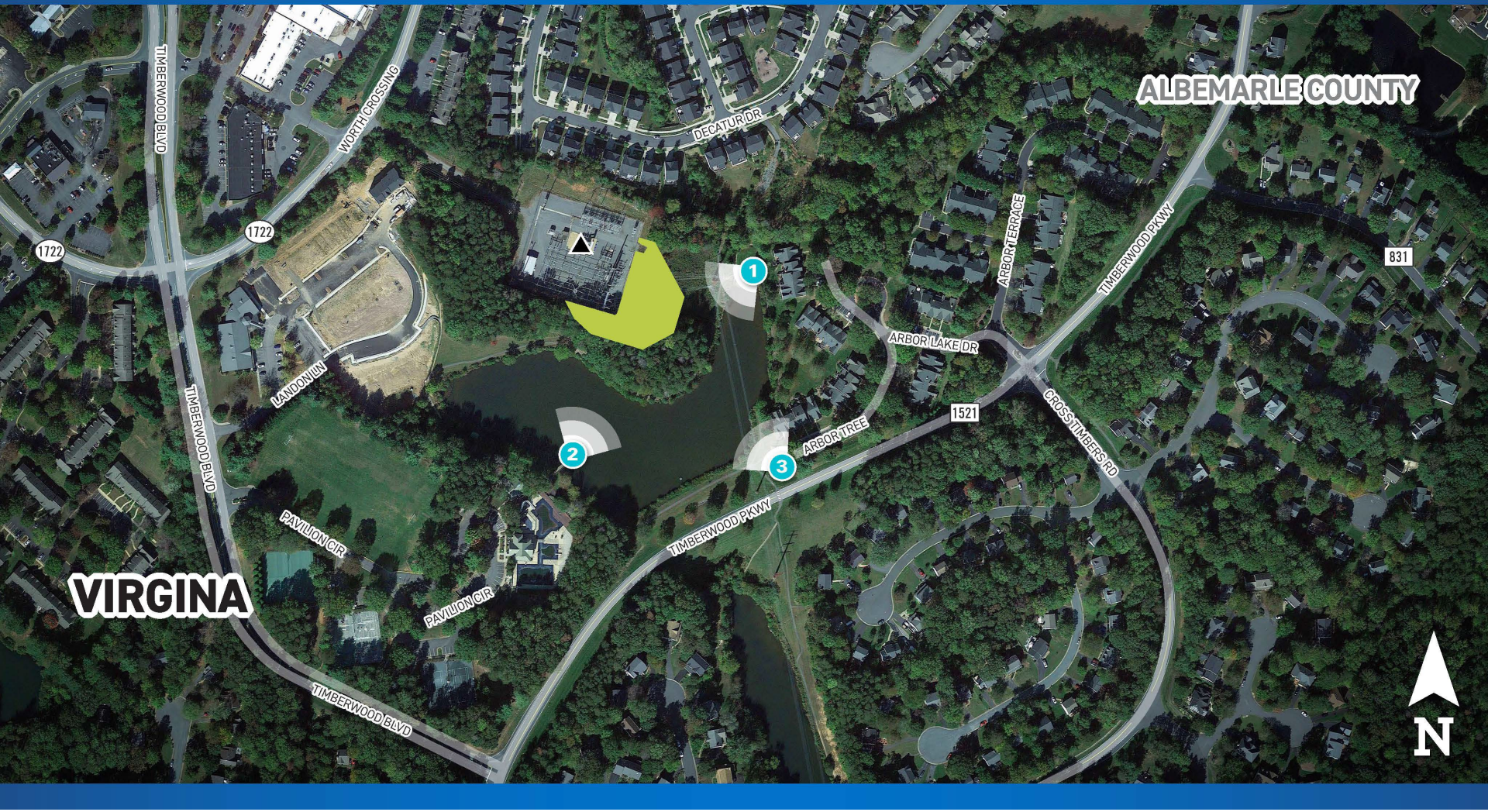
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HOLLYMEADE SUBSTATION

Photo Location Map

1 Viewpoint Location ▲ Existing Substation Proposed Substation Expansion

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HOLLYMEADE
SUBSTATION

Simulation 1

Date: 09/13/2022 **Time:** 2:17 pm

Viewing Direction: Southwest

1 Viewpoint Location ▲ Existing Substation

Proposed Substation Expansion



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EXISTING CONDITIONS



PROPOSED CONDITIONS

Simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

HOLLYMEADE
SUBSTATION

Simulation 2

Date: 09/13/2022 **Time:** 2:38 pm

Viewing Direction: Northeast

2 Viewpoint Location ▲ Existing Substation

Proposed Substation Expansion



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EXISTING CONDITIONS



PROPOSED CONDITIONS

Simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

HOLLYMEADE
SUBSTATION

Simulation 2

Date: 09/13/2022 **Time:** 2:38 pm

Viewing Direction: Northeast

2 Viewpoint Location ▲ Existing Substation

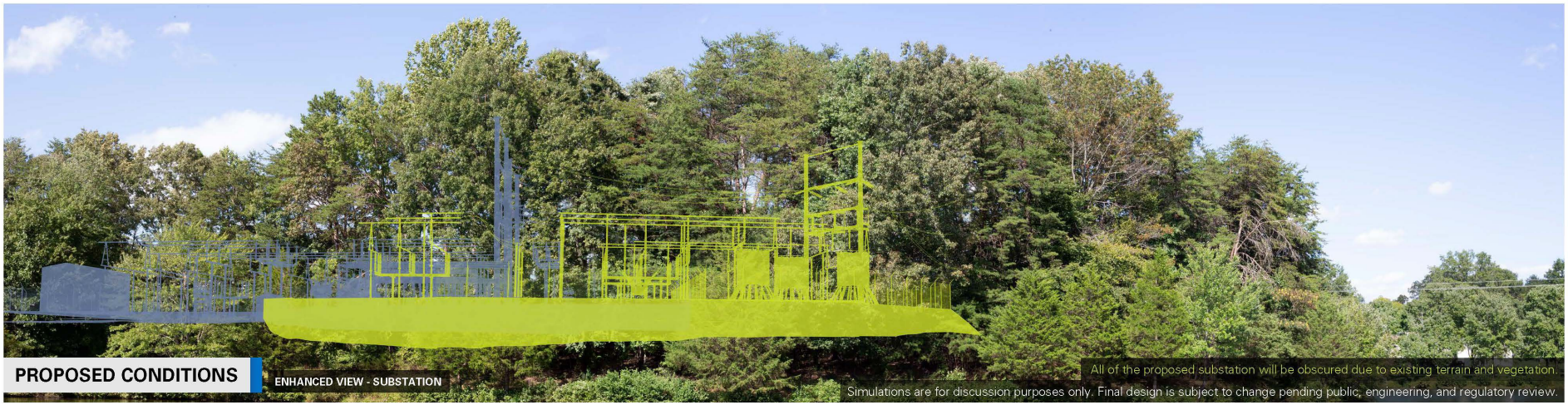
Proposed Substation Expansion



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EXISTING CONDITIONS



PROPOSED CONDITIONS

ENHANCED VIEW - SUBSTATION

All of the proposed substation will be obscured due to existing terrain and vegetation.

Simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

HOLLYMEADE
SUBSTATION

Simulation 3

Date: 09/13/2022 **Time:** 2:24 pm

Viewing Direction: Northwest

3 Viewpoint Location ▲ Existing Substation

Proposed Substation Expansion



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EXISTING CONDITIONS



PROPOSED CONDITIONS

Simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

HOLLYMEADE
SUBSTATION

Simulation 3

Date: 09/13/2022 **Time:** 2:24 pm

Viewing Direction: Northwest

3 Viewpoint Location ▲ Existing Substation

Proposed Substation Expansion



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EXISTING CONDITIONS



PROPOSED CONDITIONS

ENHANCED VIEW - SUBSTATION

All of the proposed substation will be obscured due to existing terrain and vegetation.

Simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

Minimizing Environmental Impacts



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Project Timeline

Early 2022	Solution approved by PJM
Summer 2022	Permitting process began
Fall/Winter 2022	Public permitting meetings
Spring 2023	Pending permits and approvals, construction begins
Fall 2023 (anticipated)	Complete construction and restore impact work areas

Thank You

- For more information, please visit: **DominionEnergy.com/hollymeade**
- You can submit all future questions via email **Powerline@dominionenergy.com** or by **calling 888-291-0190**



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