



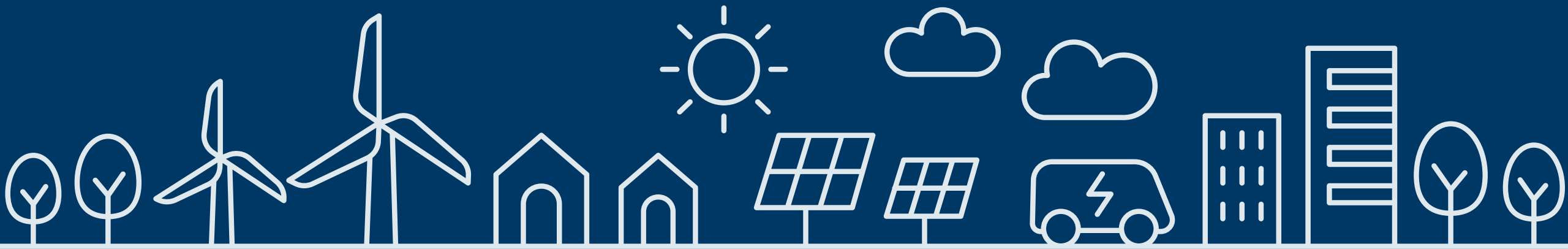
GREAT PLAINS
INSTITUTE



Stakeholder Engagement Modeling Meeting 2

*Dominion Energy Virginia and North Carolina
2026 Integrated Resource Plan (IRP)*

Wednesday, May 27th, 1 p.m. – 3 p.m. ET



This Webinar Is Being Recorded

Please note that this webinar is being recorded.

By continuing to participate in this webinar, you acknowledge that you have been informed of the recording and consent to being part of this recording. If you do not consent, you have the option to not attend this meeting.

Recordings of each presentation section will be posted on the IRP Stakeholder Process website:

<https://devirp.dominionenergy.com/stakeholder-materials>.



Meeting Objectives

1. Establish an understanding of where we are in the engagement process, including next steps.
2. Establish a shared understanding of and enable discussion around transmission and distribution in a resource planning context.



Agenda

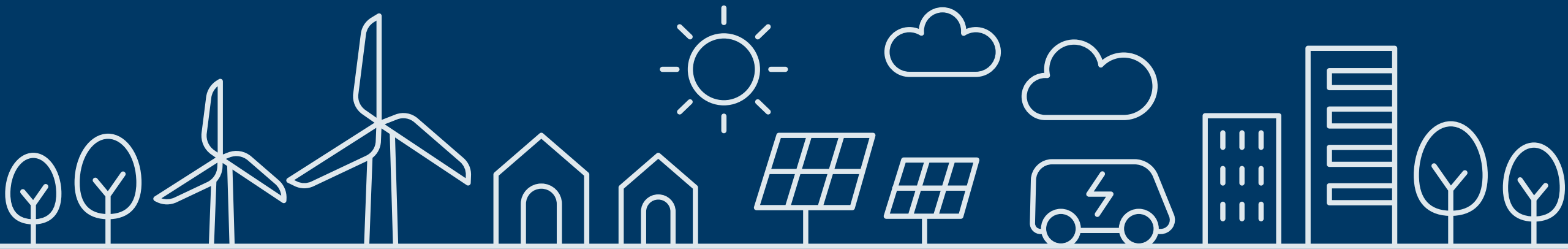
- 1:00 p.m.** Welcome, Introductions, Safety Moment
- 1:10 p.m.** Meeting Ground Rules
- 1:15 p.m.** IRP Stakeholder Engagement Process Update
- 1:30 p.m.** Transmission Considerations
- 2:00 p.m.** Distribution Considerations
- 2:30 p.m.** Preview and Solicit Feedback on Next Meeting
- 3:00 p.m.** Next Steps and Adjourn





GREAT PLAINS
INSTITUTE

Introductions



Meet the GPI Facilitation Team



Trevor Drake
VP, Energy Systems



Val Stori
Senior Policy
Manager



Hallie Turner
Policy Associate



Audrey Negro
Meeting &
Administrative
Associate



The Great Plains Institute is an organization of leaders and experts dedicated to engaging and collaborating with people, organizations, and communities to craft nonpartisan, pragmatic energy solutions that benefit people, the economy, and the environment.

Meet the Dominion Energy IRP Stakeholder Engagement Team



Maria Pia Tamburri
Vice President,
Intergovernmental
Affairs



Amanda Prestage
General Manager,
Regulatory Affairs



Lisa Crabtree
Director,
Strategic Planning



Jarad Morton
Manager,
Integrated Strategic
Planning

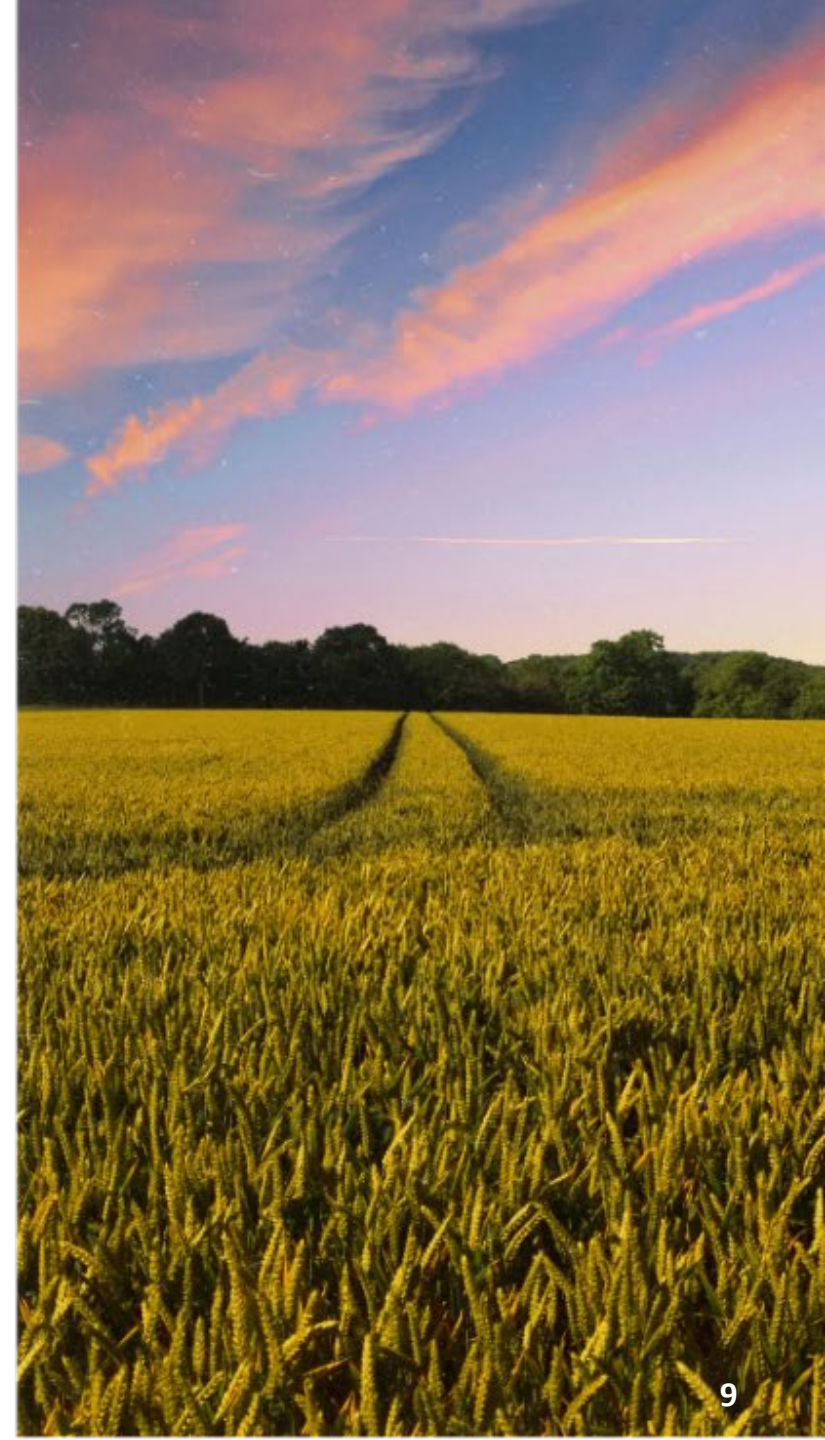
Safety Moment: Power Line Safety

- **Stay at least 30 feet away** from downed power lines – consider them **energized and dangerous**.
- If a downed power line presents clear and imminent danger to you, your property or to others, call 911 first.
- Keep away from heavily flooded and debris-laden areas; power lines could be buried underneath.
- Protect your pets by keeping them as far away from lines as possible.



Meeting Ground Rules

- 1. Respect each other and the time:** Respect differences of perspective and the time we have together.
- 2. Focus on today's topics:** Please respect the scope of today's meeting. Pending or recently enacted legislation and open regulatory dockets are outside the scope of today's meeting.
- 3. Project and customer specifics are out of scope:** Specific projects, including transmission, distribution, and generation projects, are outside the scope of the IRP and today's meeting. Customer specifics are also out of scope.



Meeting Communication Options

Please submit questions to presenters using the Q&A feature. Select “all panelists” and type your question into the Q&A box. You may also raise your hand and a facilitator may unmute you.

An anonymized list of questions will be posted to the [IRP Stakeholder Q&A Website](#).

If you join WebEx via the browser, you may not have access to the Q&A.

If you are accessing the meeting by calling the 1-415 number on your phone, you are not able to submit questions.



Mentimeter Logistics



Mentimeter

To conclude this meeting, we will be asking for your input via Mentimeter polls.

Use a browser on your computer or mobile device.

Menti.com

Engagement Schedule

Date	Event	Format	Topic
March	Topics of Interest Scoping Survey	N/A	Stakeholder feedback on IRP outcomes and engagement process outcomes
April 17	Kickoff Webinar	Virtual	Introductions and scoping survey review
April 29	Modeling Meeting 1	Virtual	Modeling process and timeline, load forecasting
May 8	IRP Conference 1	Hybrid	Understanding cost and affordability drivers
May 27	Modeling Meeting 2	Virtual	Transmission & distribution considerations
June 12	IRP Conference 2	Hybrid	Energy and capacity resources
June 26	Modeling Meeting 3	Virtual	Energy and capacity resources, discussion of Stakeholder Input Case survey
TBD	Stakeholder Input Case Survey	N/A	Survey to inform the 2026 Stakeholder Input Case
August 14	Survey and Modeling Results Meeting	Hybrid	Overview of stakeholder input survey results
October 22	IRP Post-Filing Meeting	Virtual	Overview of filed IRP



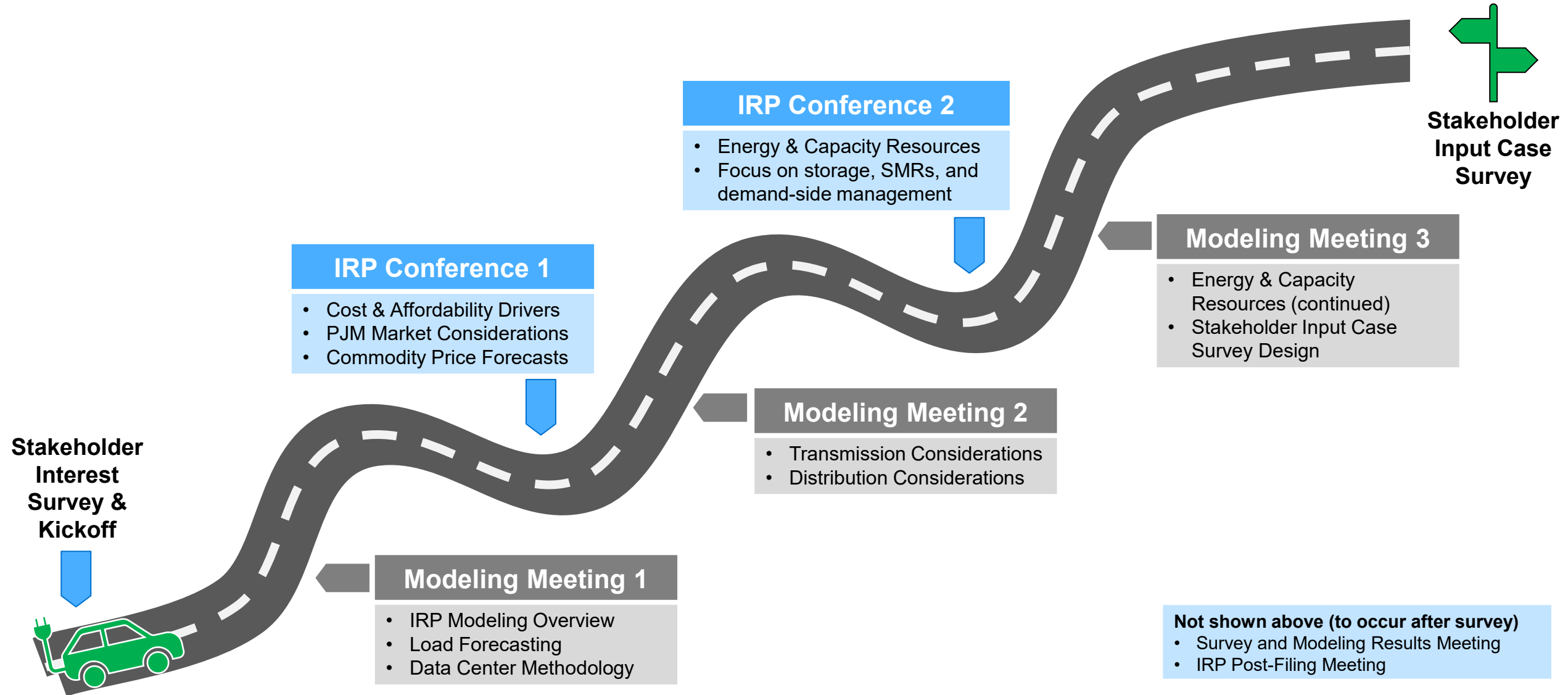
Dominion Energy Virginia & North Carolina 2026 Integrated Resource Plan (IRP)

Stakeholder Engagement Process Update

May 27, 2026

2026 VA/NC IRP Stakeholder Input Case Journey

Stakeholder Input Case Roadmap



Integrated Resource Planning:

Transmission & Distribution Considerations

- Transmission and distribution are two important considerations in integrated resource planning.
- In addition to our guest speakers today, the reference materials below provide further information.



Transmission Considerations

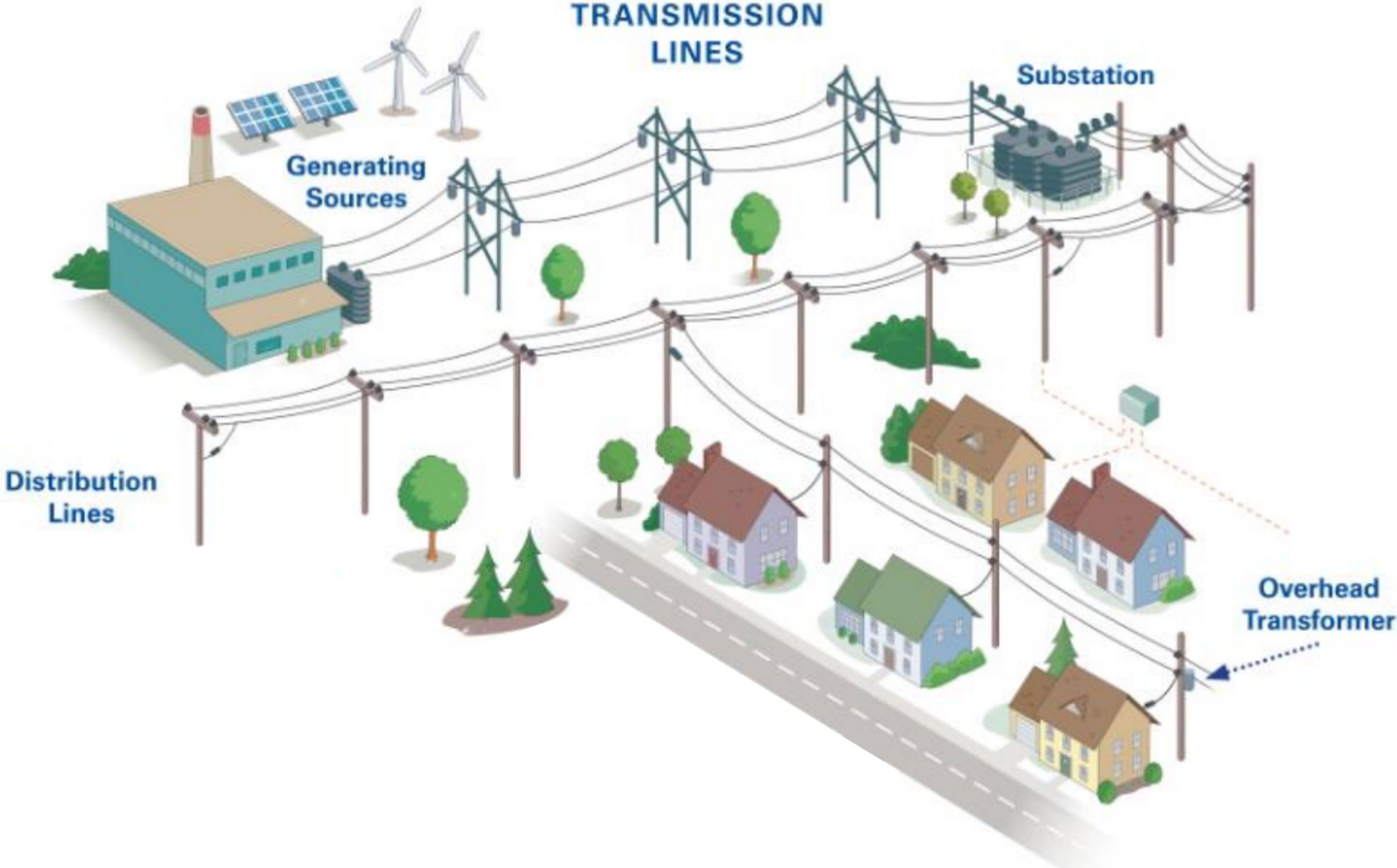
- Reference materials:
 - [2025 IRP Update – Chapter 2.3 “Transmission Considerations”](#)
 - [2025 IRP Appendices 2C, 2D, and 2E](#)



Distribution Considerations

- Reference materials:
 - [2025 IRP Update – Chapter 2.4 “Distribution Considerations”](#)
 - [2024 IRP – Appendix 3L: Distribution](#)

Electric Transmission and Distribution System



Dominion Energy Virginia & North Carolina 2026 Integrated Resource Plan (IRP)

Transmission Considerations

May 27, 2026

Transmission Considerations – Highlights & Key Terms

Improvements in the transmission system can alleviate constraints and lead to better power flows for import into the DOM Zone. Additionally, these improvements lead to lower price volatility while minimizing uneconomic generation dispatch. Inadequate transmission resources can result in energy import constraints.



Transmission Planning

Dominion Energy owns the transmission system for the DOM Zone. In addition to the cooperatives dependent on the Company's transmission system, several independent power producers are interconnected with and are dependent on the Company's transmission system for delivery of their capacity and energy into the PJM market.

Appendix 2D includes additional detail regarding the relationship between the Company and PJM specific to the operation and planning of the transmission system.



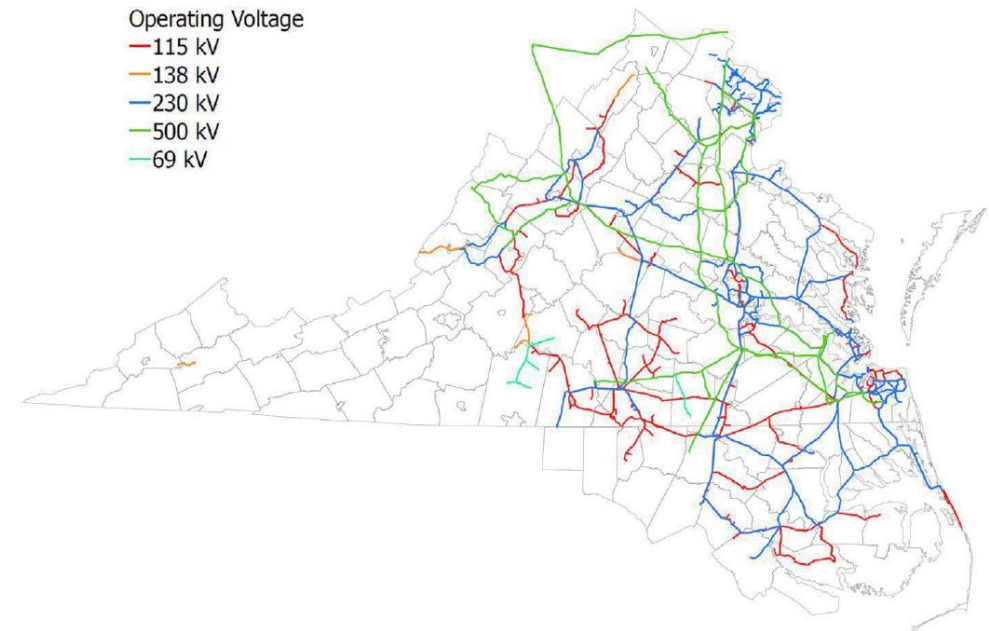
Grid Enhancing Technologies (GETs)

The Company continues to evaluate and deploy GETs to improve transmission system capacity and flexibility.

Software GETs optimize system topology to enhance power flow and reduce congestion, while hardware GETs solutions upgrade physical assets and infrastructure.

More details on current and future plans for GETs on the transmission network are detailed in Appendix 2D.

Figure 2.3.2.1: Dominion Energy's Existing Transmission Lines ≥ 69 kV

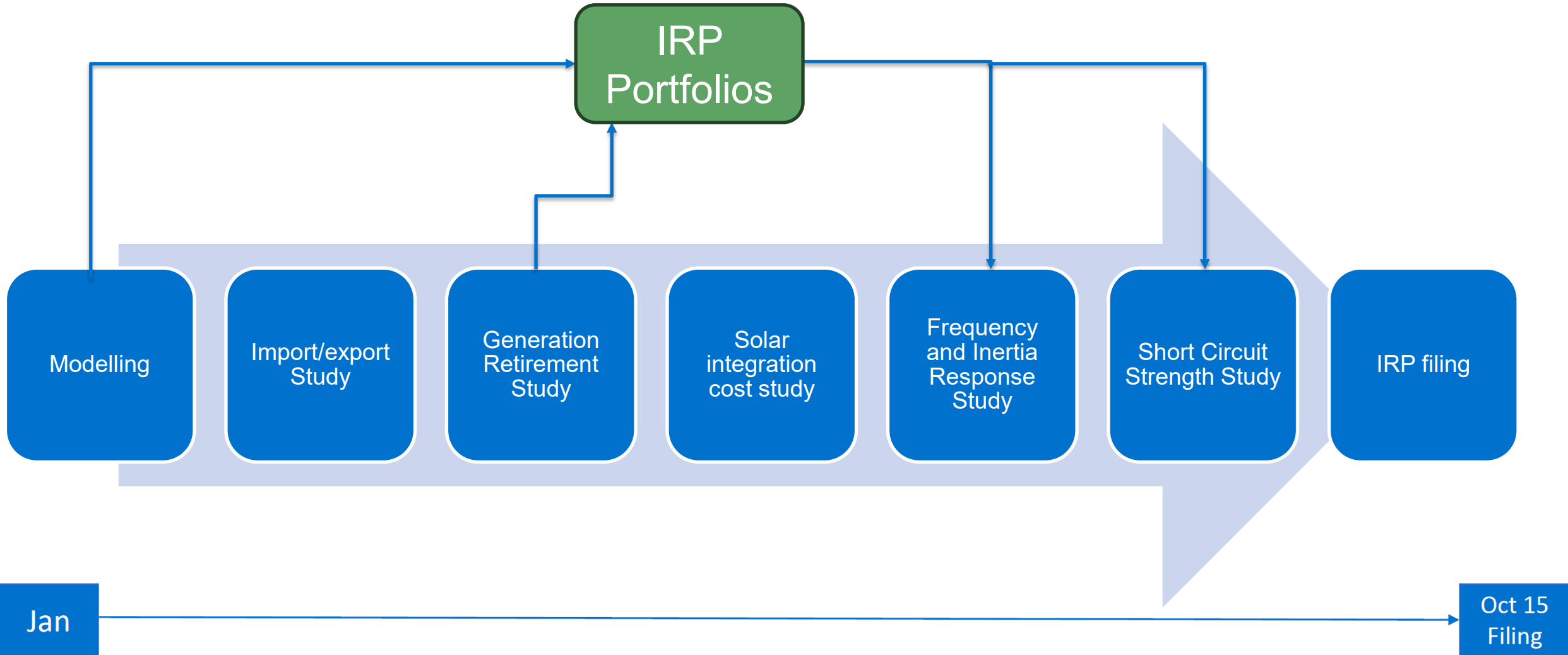


Dominion Energy has approximately 6,800 miles of transmission lines in Virginia, North Carolina, and West Virginia at voltages ranging from 69 kV to 500 kV, with these facilities integrated into PJM. Figure 2.3.2.1 shows the Company's existing transmission lines.

Reference materials:

- [2025 IRP Update – Chapter 2.3 “Transmission Considerations”](#)
- [2025 IRP Appendices 2C, 2D, and 2E](#)

Electric Transmission Inputs



Jan

Oct 15
Filing

Additional Considerations

- Blackstart
- Grid Enhancing Technologies (GETS)
 - Advanced Conductors
 - Dynamic Line Ratings (DLR)
 - FACTS devices
 - Fixed Series Capacitor Banks
 - Advanced Power Flow Controllers
 - Installed fixed series reactor
- PJM Coordination on new technologies and procedures



Blackstart Requirements & Capabilities

Blackstart system resources must:

- Start without grid power
- Grid forming/synchronous and dispatchable
- Consistent and predictable
- Provide sufficient offsite power to nuclear facilities within regulator set timelines

Current system capability

- Most generators do not have blackstart capability
- Solar and wind are not suitable due to intermittency and unpredictable output
- During restoration, the system is fragile and sudden change can cause instability

Future technology & research

- Investigating grid-forming technologies
- Microgrid demonstrations
- Research collaboration focused on restoration

How we use GETs in Electric Transmission Planning

- Integral part of transmission planning, alongside traditional upgrades
- Optimize existing system but do not replace new transmission or generation
- Evaluated and implemented through PJM processes



GETs Definition

GETs are hardware or software that:

- Manage congestion
- Increase line utilization
- Improve operational efficiency or flexibility

Hardware examples:

- Advanced conductors
- Dynamic Line Ratings
- FACTS devices
- APFCs/Fixed Series Devices

Software examples:

- Advanced sensing and monitoring
- Topology optimization
- Enhanced control and protection systems

Role of GETs in Electric Transmission Planning

What GETs do:

- Improve utilization of the existing transmission infrastructure
- Provide incremental capacity and congestion relief
- Enhance operational awareness and flexibility

GETs do not:

- Eliminate the need for
 - New lines
 - Major upgrades
 - New generation

GETs Currently Deployed

Advanced conductors

- ACSS high temperature conductors

FACTS devices

- Used to manage dynamic and steady state issues

Series reactive devices

- Used to increase or decrease line impedance

Dynamic Line Ratings (DLR)

- Evaluating for performance and integration through an active pilot project
- Need to integrate into PJM EMS and real time operations

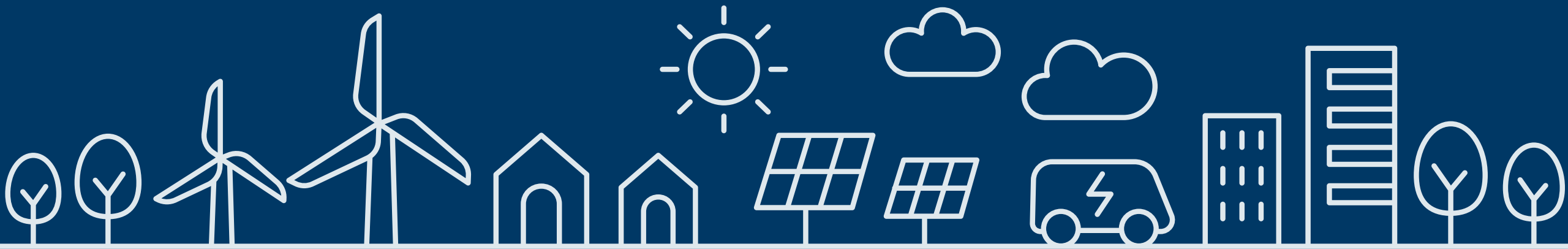
PJM Process Alignment

- Transmission level GETs must
 - Be able to be modeled by PJM in planning cases
 - Be approved through PJM RTEP or alternative process
 - Meet PJM and NERC operational requirement
- Process ensures
 - Reliability
 - Non-discriminatory access
 - Consistency across RTO





Questions?

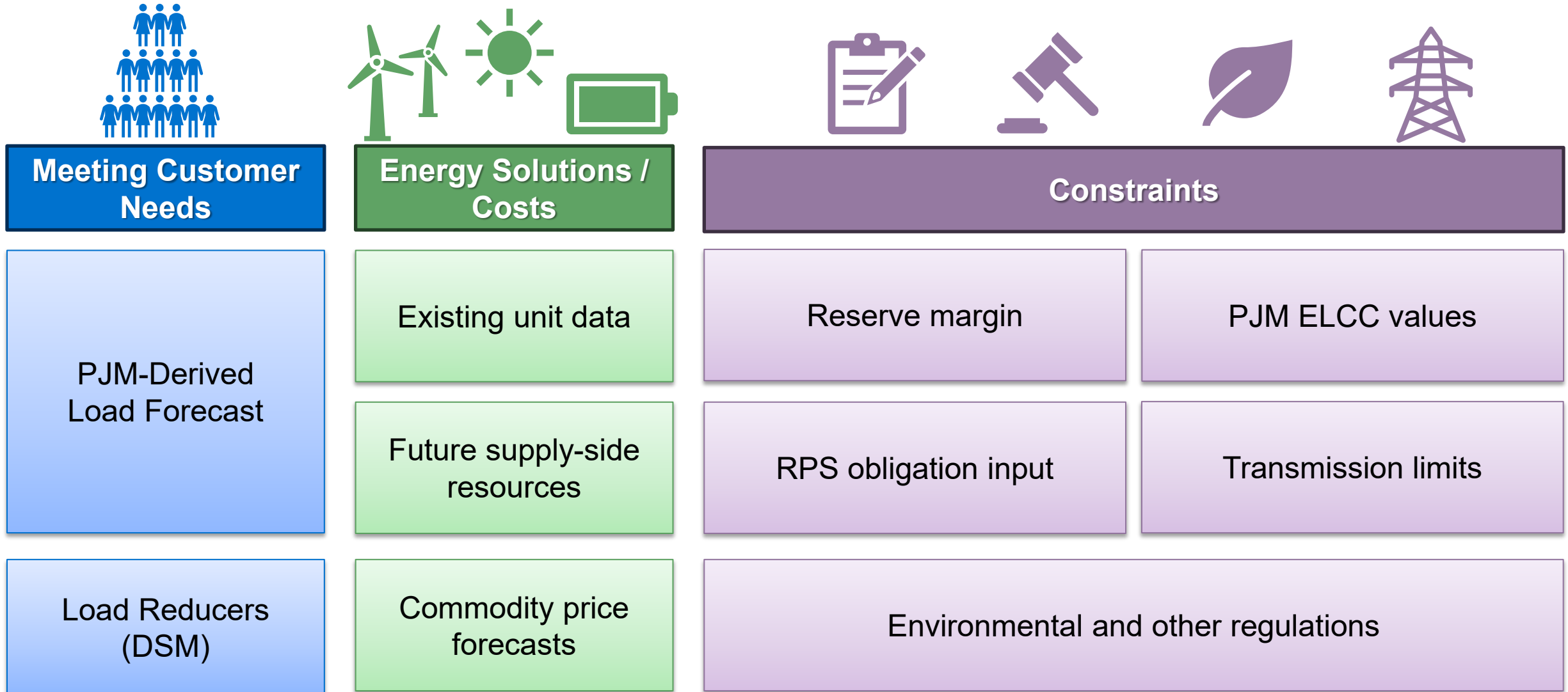


Dominion Energy Virginia & North Carolina 2026 Integrated Resource Plan (IRP)

Distribution Considerations

May 27, 2026

Reminder: IRP Modeling Process



Distribution Considerations: Grid Transformation Plan

Grid Transformation Plan
Phase III

Smart Energy

Dominion Energy
Actions Speak Louder

Sample pages

GRID INFRASTRUCTURE
Within the category of grid infrastructure, the Company proposes: (a) hardening mainfeeders; (b) deploying targeted corridor improvement activities; and (c) mitigating voltage islands.

MAINFEEDEER HARDENING
Dominion Energy Virginia proposes to complete hardening work (i.e., physically strengthening infrastructure; improving distribution system architecture and connectivity) on a targeted population of mainfeeders.

NEED	Improve reliability on the worst performing mainfeeders.
DEPLOYMENT TIMELINE	Harden 195 mainfeeders through completion of the GT Plan.
ALTERNATIVES CONSIDERED	Considered addressing issues on the identified mainfeeders reactively as outages occur rather than proactively, hampering efforts to improve reliability for these customers. Considered alternative solutions and identified the appropriate hardening solution for each mainfeeder based on detailed engineering and design.
BENEFITS	Improved reliability and resiliency; faster recovery after severe weather events.
PHASE III REQUEST	Harden a total of 111 mainfeeders, targeting 44 in 2022 and 2023 and an additional 67 in the years 2024, 2025, and 2026.
PROGRESS TO DATE	Completed hardening work on 17 mainfeeders as of December 31, 2022.

TARGETED CORRIDOR IMPROVEMENT
Dominion Energy Virginia proposes several new vegetation management programs to improve grid reliability and resiliency while minimizing environmental impacts.

NEED	Improve accessibility to right-of-way; remove risk related to ash trees, hazard trees, and tree overhang.
DEPLOYMENT TIMELINE	Ash tree remediation completed by end of 2024; ground floor maintenance completed by end of 2027; hazard tree pilot program completed by end of 2024; tree overhang pilot program completed by 2026.
ALTERNATIVES CONSIDERED	Considered addressing ash trees, ground floor growth, and hazard trees reactively rather than proactively, potentially affecting reliability and resiliency, increasing costs for restoration and maintenance work, and requiring higher cost options for ash tree removal. Considered different scopes for pilot programs.
BENEFITS	Improved reliability and resiliency; improved access to right-of-way.
PHASE III REQUEST	Continue ash tree mitigation and ground floor maintenance programs; pilot program focused on surveying and removal of hazard trees; pilot program focused on removal of tree overhang.
PROGRESS TO DATE	Removed over 16,900 ash trees; treated over 22,300 miles of right-of-way as of December 31, 2022.

VOLTAGE ISLAND MITIGATION
Dominion Energy Virginia proposes to mitigate voltage islands, which are single substation transformers that serve a population of customers without the support of available load transfer capability within the substation or through field tie switches to adjacent feeders.

NEED	Mitigate risk of an extended outage for customers served by voltage islands if the single substation transformer fails.
DEPLOYMENT TIMELINE	Address 19 voltage islands through completion of the GT Plan.
ALTERNATIVES CONSIDERED	Considered not mitigating the risk of extended outages for customer served by voltage islands. Considered alternate solutions and identified the appropriate solution for each voltage island.
BENEFITS	Reduced risk of extended outages; improved reliability.
PHASE III REQUEST	Address six voltage islands.
PROGRESS TO DATE	Addressed three voltage islands as of December 31, 2022.

21 Grid Transformation Plan Phase III | Dominion Energy Virginia

GRID TECHNOLOGIES
Within the category of grid technologies, the Company proposes: (a) installing intelligent grid devices; (b) deploying FLISR; (c) implementing a DERMS; (d) conducting and publishing hosting capacity analysis; (e) implementing an enterprise asset management system (EAMS); (f) installing a new OMS; (g) enabling voltage optimization through infrastructure upgrades; (h) deploying modern technologies at substations; (i) establishing a program to seek energy storage systems as a non-wires alternative solution at identified locations on the distribution grid; and (j) demonstrating microgrid capabilities at the Locks Campus.

INTELLIGENT GRID DEVICES
Dominion Energy Virginia proposes to install intelligent grid devices ("IGDs") to provide the data and control necessary to restore power and manage distribution grid voltages and power flows in a system with increasing penetrations of DERs.

NEED	Monitor the distribution grid, remotely control the distribution grid to restore power and address power quality issues created by DERs.
DEPLOYMENT TIMELINE	Deploy IGDs on 655 mainfeeders or feeder segments through completion of the GT Plan.
ALTERNATIVES CONSIDERED	Considered different equipment and vendor options to achieve the needed situational awareness and grid control functionality. Considered alternative deployment options in terms of the number and location of devices on each feeder based on detailed engineering and design, and good utility practice.
BENEFITS	Increased data about the distribution grid, which enables remote monitoring and control of grid operations; enhanced integrated distribution planning; improved hosting capacity tool; improved reliability.
PHASE III REQUEST	None.
PROGRESS TO DATE	Deployed 91 IGDs on 24 feeders as of December 31, 2022.

FLISR
Dominion Energy Virginia proposes to install a distribution automation system called FLISR, which stands for fault location, isolation, and service restoration, to leverage the capabilities of intelligent grid devices to improve reliability.

NEED	Improve reliability; leverage the full capabilities of intelligent grid devices.
DEPLOYMENT TIMELINE	Upgrades integrated into ADMS by the third quarter of 2023.
ALTERNATIVES CONSIDERED	Considered not leveraging the capabilities of IGDs to improve customer reliability through FLISR; rejected alternative because the incremental cost of FLISR software is justified by the reliability improvements for customers. Considered alternative software vendors.
BENEFITS	Improved reliability; reduced outage-related O&M expenses; improved customer satisfaction.
PHASE III REQUEST	None.
PROGRESS TO DATE	Began software installation and configuration.

DER MANAGEMENT SYSTEM
Dominion Energy Virginia proposes to deploy DERMS to monitor, control, and optimize increasing levels of DERs on the Company's system to maintain a safe and reliable grid.

NEED	Manage increasing volumes of DERs.
DEPLOYMENT TIMELINE	Complete initial installation by 2024; complete additional integrations by 2026.
ALTERNATIVES CONSIDERED	Considered using a patchwork of manual processes to manage the increased volumes of DERs of various sizes and types; rejected alternative because of the objectives of FERC Order 2222, the complexity of operating in this manner, and the risk to system reliability and security as penetration increases. Considered alternative software vendors.
BENEFITS	Enhanced monitoring and optimization of DERs; enabled customer programs at scale, such as EV managed charging and vehicle-to-grid; facilitated non-wires alternatives.
PHASE III REQUEST	Continue to install DERMS.
PROGRESS TO DATE	Selected vendor for the DERMS platform.

Grid Transformation Plan Phase III | Dominion Energy Virginia 22

Direct link to Grid Transformation Plan Phase III: <https://cdn-dominionenergy-prd-001.azureedge.net/-/media/content/about/delivering-energy/electric-projects/grid-trans-milestones/gt-plan-phase-3-booklet-update.pdf>

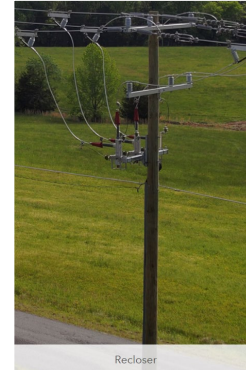
Distribution Considerations: Highlights & Key Terms



Grid Transformation Plan (GTP)

The Grid Transformation Plan is the Company's comprehensive plan to transform its electric distribution grid to facilitate the integration of DERs, to enhance grid reliability and security, and to improve the customer experience.

The Company's most recent Grid Transformation Plan Phase III filing was approved in Case No. PUR-2025-00051.



Grid Enhancing Technologies (GETs)

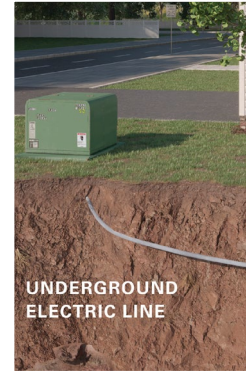
GETs are a wide classification that can encompass almost any advancement deployed on the grid. The Company views many of its initiatives, including its Grid Transformation Plan filings as grid enhancing technologies at the distribution level.

Examples of GETs at the distribution level include fault location, isolation and restoration ("FLISR"), voltage optimization, advanced metering infrastructure ("AMI"), and substation technology deployment.



Distributed Energy Resources (DERs)

DERs include "any resource located on the distribution system," which can include "storage resources, distributed generation, demand response, energy efficiency, thermal storage, and electric vehicles and their supply equipment," and allows bundling or aggregating the output of several DERs to facilitate DER participation in regional markets



Strategic Undergrounding Program (SUP)

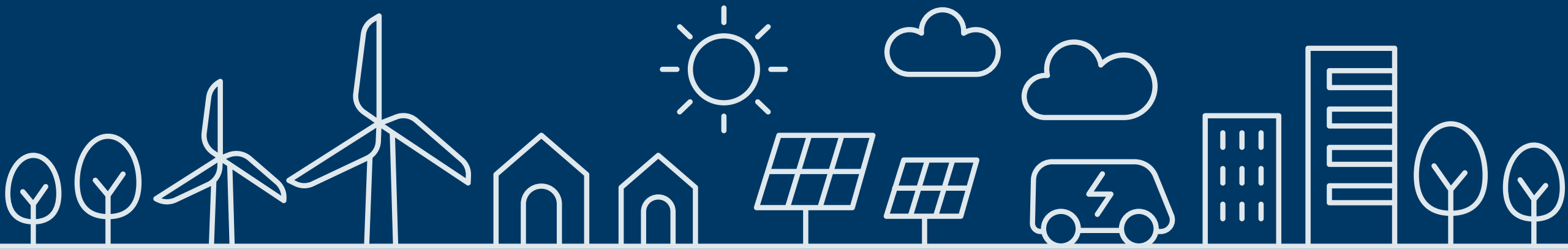
The SUP was designed to shorten restoration times in severe weather events by reducing the number of labor-intensive work locations associated with outage-prone single-phase overhead tap lines, especially those behind homes with significant tree coverage. By converting those tap lines to underground, directly served customers will either see a shorter outage or no outage. Perhaps more importantly, this enables crew redeployment to other outage locations, allowing a faster recovery after severe weather events for the benefit of all customers.

Reference materials:

- [2025 IRP Update – Chapter 2.4 "Distribution Considerations"](#)
- [2024 IRP – Appendix 3L: Distribution](#)

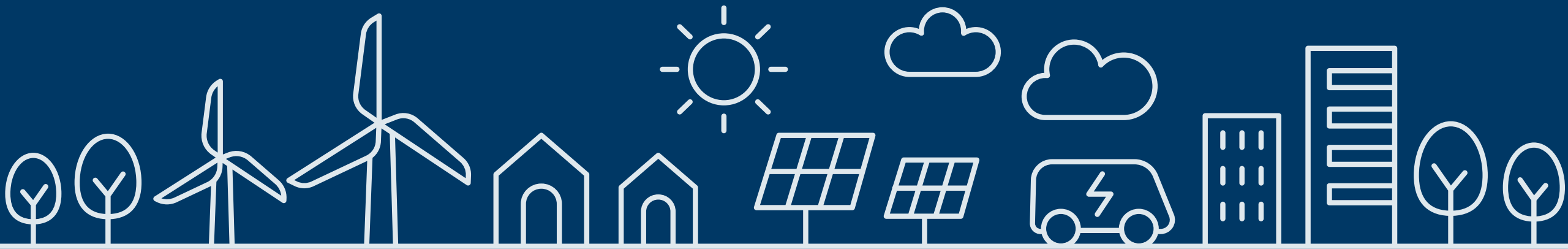


Questions?





Discussion and Next Steps



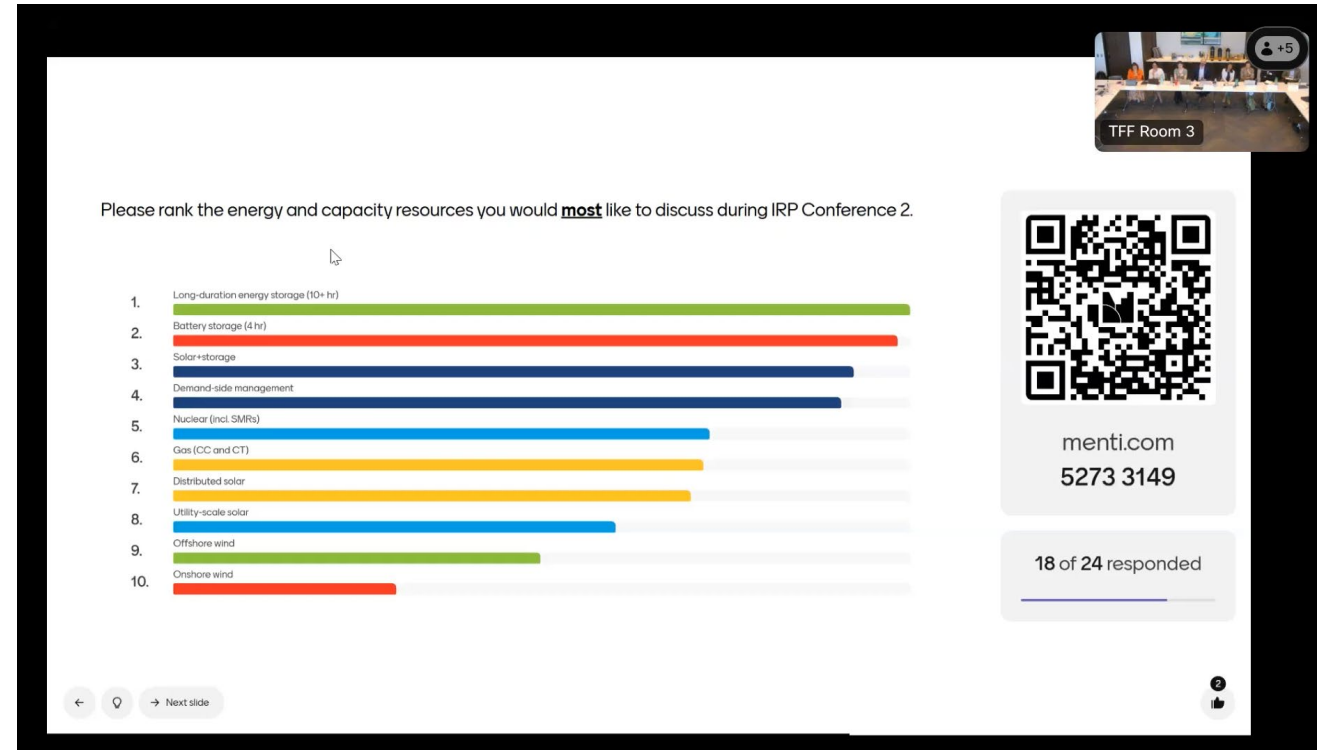
Engagement Schedule

Date	Event	Format	Topic
March	Topics of Interest Scoping Survey	N/A	Stakeholder feedback on IRP outcomes and engagement process outcomes
April 17	Kickoff Webinar	Virtual	Introductions and scoping survey review
April 29	Modeling Meeting 1	Virtual	Modeling process and timeline, load forecasting
May 8	IRP Conference 1	Hybrid	Understanding cost and affordability drivers
May 27	Modeling Meeting 2	Virtual	Transmission & distribution considerations
June 12	IRP Conference 2	Hybrid	Energy and capacity resources
June 26	Modeling Meeting 3	Virtual	Energy and capacity resources, discussion of Stakeholder Input Case survey
TBD	Stakeholder Input Case Survey	N/A	Survey to inform the 2026 Stakeholder Input Case
August 14	Survey and Modeling Results Meeting	Hybrid	Overview of stakeholder input survey results
October 22	IRP Post-Filing Meeting	Virtual	Overview of filed IRP



IRP Conference 2: Menti Prioritization Poll Results

- In IRP Conference 1, stakeholders voted on a Menti poll to prioritize energy and capacity resources to be discussed in IRP Conference 2.
- The top-ranked choices included:
 1. Long-duration energy storage (10+ hr)
 2. Battery storage (4 hr)
 3. Solar+storage
 4. Demand-side management
 5. Nuclear (incl. SMRs)
- IRP Conference 2 (on June 12th) will discuss each of these considerations.



Screenshot from IRP Conference 1 meeting recording, May 8, 2026.

Modeling Meeting 3: Stakeholder Input Case Survey Development

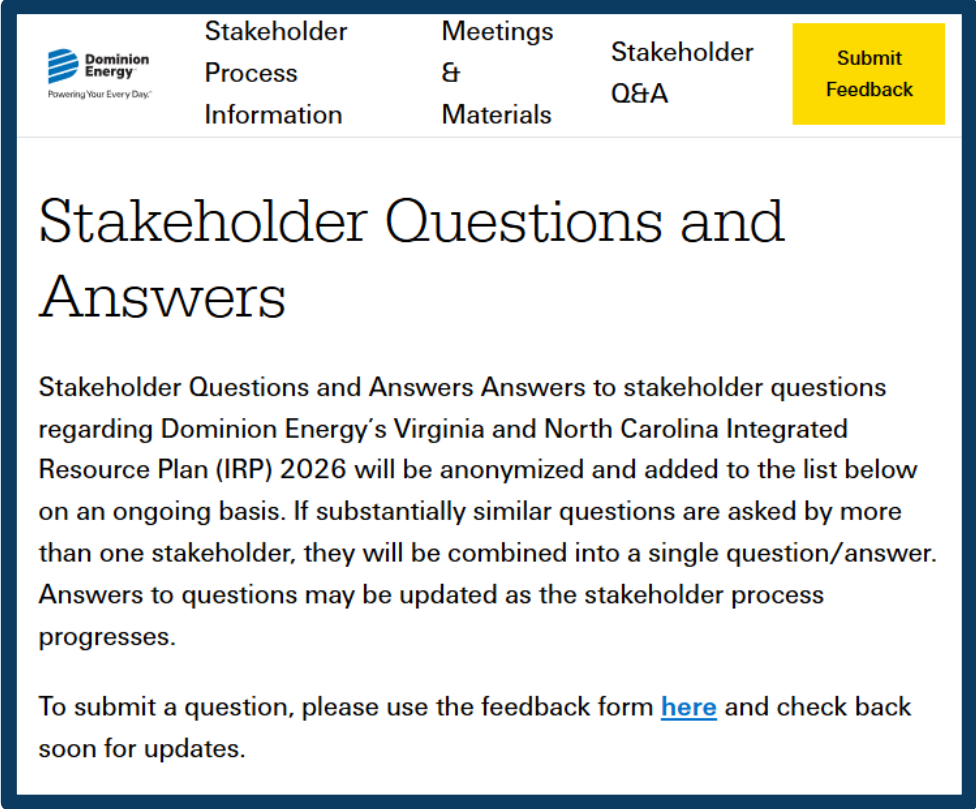
Prescribed Parameters	Load Forecast	PJM	
	EE	Aligned with goals est. in SCC's pending target setting proceeding; Beyond 2028 based on proposed targets w/reasonable increase based on savings potential.	
"Model Rules"		2024 Stakeholder Case	2025 Stakeholder Case
	Meets RPS Program (i.e., REC retirements) Requirement?	Yes	Yes
	Forced VCEA Development Targets?	Yes	Yes
	Renewable Utility/PPA	65/35	65/35
	REC Purchases	30%	30% *
	EPA Environmental Regulations	Yes	Yes
	Capacity Imports (Purchases) (MW)	5,000	5,000
	Energy Imports	20% of Annual	20% of Annual *
	Retirements	Least Cost Optimized	Split **
	Solar Build Limits (MW)	2,040	2,040
	Storage Build Limits (MW)	700	700
	Onshore/Offshore Wind (MW)	60 / 6,000	60* / 6,000
	Nuclear Build Limits (starting in 2034) (MW)	536	Large-scale and SMR resources selectable
Natural Gas Resources	None	None	
2025 stakeholders requested long-duration energy storage (LDES) and hybrid solar plus storage resources be selectable resources			

**or align with Primary Portfolios*

***even split between least-cost and VCEA-forced retirements*

Wrap-Up and Next Steps

- Questions about the stakeholder engagement process? Contact DEVIRP2026@gpisd.net.
- Other questions can be submitted via the contact form on Dominion Energy’s website: <https://devirp.dominionenergy.com/stakeholder-questions-and-answers>.
- **IRP Conference 2: Friday, June 12th, 9 am – 12 pm ET**
- **Modeling Meeting 3: Friday, June 26, 1 pm – 3 pm ET**



The screenshot shows the top navigation bar of the Dominion Energy website. On the left is the Dominion Energy logo with the tagline "Powering Your Every Day". The navigation menu includes "Stakeholder Process Information", "Meetings & Materials", and "Stakeholder Q&A". A yellow "Submit Feedback" button is located on the right. The main content area has the heading "Stakeholder Questions and Answers" and a paragraph explaining that stakeholder questions regarding Dominion Energy's Virginia and North Carolina Integrated Resource Plan (IRP) 2026 will be anonymized and added to a list on an ongoing basis. It also notes that similar questions will be combined and answers may be updated as the process progresses. A link labeled "here" is provided for submitting questions.



GREAT PLAINS
INSTITUTE

Thank you!

devirp2026@gpisd.net

<https://devirp.dominionenergy.com/stakeholder-questions-and-answers>

