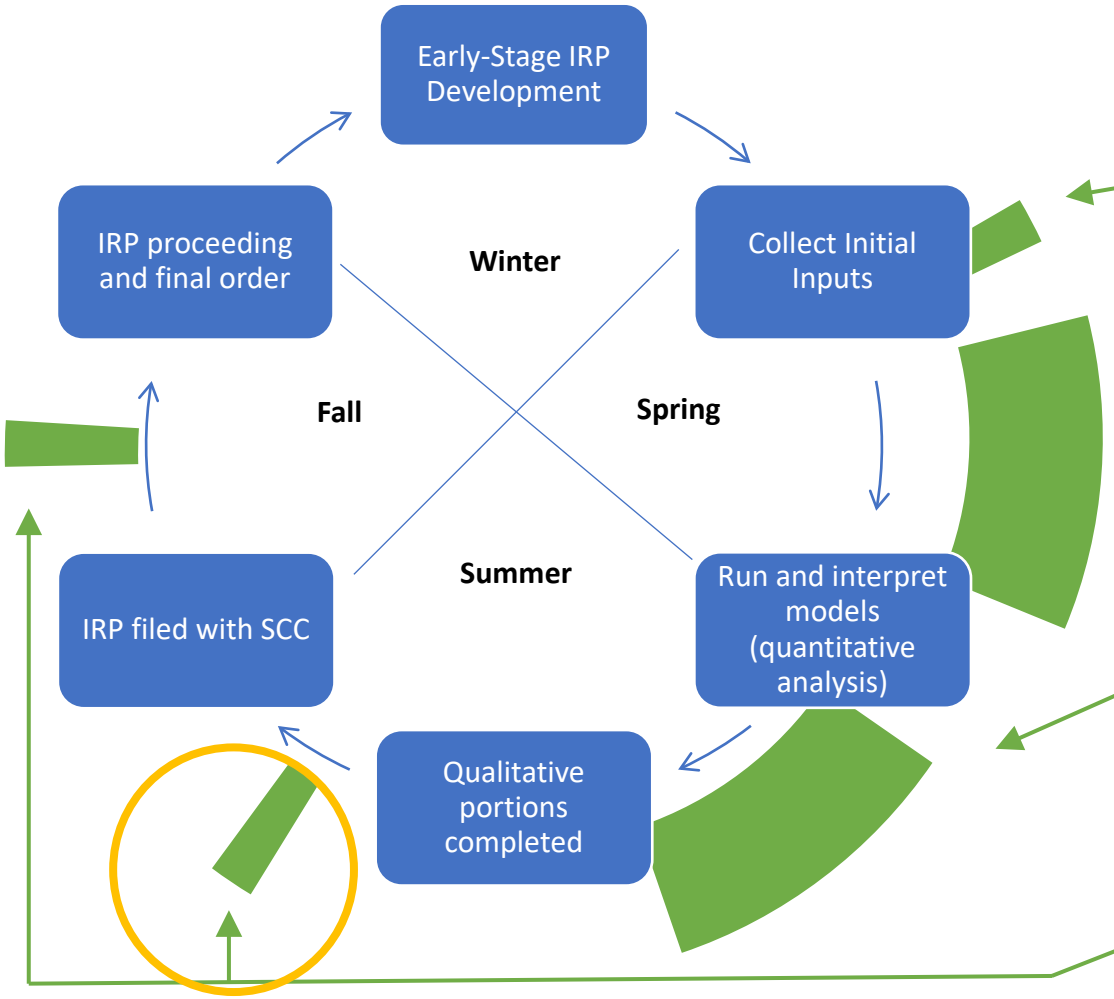
Dominion Energy
Virginia and North Carolina
2024 Integrated Resource Plan (IRP)

Phase 4

Report Out: Review of Collective Stakeholder Input and Recommendations

August 23, 2024

IRP Stakeholder Process: Status Update



Phase One:
Initial planning and first meeting with stakeholders
(Complete)

Phase Two:
Stakeholders meet in small groups with facilitators
(Complete)

Phase Three:
Topic specific workshops
(Complete)

#1 Modeling
#2 Environmental Justice
#3 Reliability

Phase Four:
Stakeholder input review and final meeting
(August - October)

WE ARE HERE

Stakeholder Feedback in the IRP

Modeling

Quantitative information will be summarized and attributed to Stakeholder Input

IRP Document

Summary of the Stakeholder Process

Qualitative information will be attributed to Stakeholder Input

Reference to the Stakeholder Process Website

IRP Appendix

Provides an overview of the stakeholder process as well as a summary of feedback received

Collective Feedback Received During the Stakeholder Process

Topics:

1. Modeling
2. Environmental Justice
3. Reliability
4. Feedback for Future Stakeholder Processes

Please note that information in this presentation is subject to change when the IRP is filed on October 15, 2024.

Topic 1: Modeling: Key Metrics 2023 vs. 2024

Key Metrics	2023 IRP	2024 IRP
PJM Dom Zone Load Coincident Peak Forecast Growth Rate	4.5%	4.9%
PJM–Derived Dom LSE Coincident Peak Forecast Growth Rate (Preliminary)	3.0%	2.8%
3-year average Solar Capacity Factor	22.2%	21.2%
Environmental Rules	RGGI	New EPA Rules
Energy Imports	5,200 MW	Transmission Study
PJM ELCC – Fixed-Tilt Solar	37%	9% declining to 3%
PJM ELCC – Tracking Solar	55%	14% declining to 4%
PJM ELCC – 4 hr Storage	82%	59% declining to 38%
PJM ELCC – Offshore Wind	43%	60% declining to 20%
PJM ELCC – Nuclear	N/A*	95% declining to 93%
PJM ELCC – Gas CC	N/A*	79% increasing to 82%
PJM ELCC – Gas CT	N/A*	62% increasing to 78%

*PJM calculated capacity value for this class of resource using the EFORd methodology prior to 2024.

Topic 1: Modeling: Technologies Considered

Resource	Unit Type	Dispatchable	Primary Fuel
Solar – Utility Scale	Intermittent	No	Sun
Solar – Distributed	Intermittent	No	Sun
Wind – Onshore	Intermittent	No	Wind
Wind – Offshore	Intermittent	No	Wind
Pumped Storage	Peaking	Yes	Water
Battery (4 hr)	Peaking	Yes	Lithium Ion
Nuclear SMR	Baseload	Yes	Uranium
Combined Cycle (incl. 3x1, 2x1, 1x1)	Intermediate / Baseload	Yes	Natural Gas
Combustion Turbine (incl. Advanced Class and Aero-derivative)	Peaking	Yes	Natural Gas
Fuel Cell	Baseload	Yes	Natural Gas

Topic 1: Modeling: Environmental Regulations

Environmental Regulations	2024 IRP Considerations
Section 111 (b) of Clean Air Act	Limit capacity factors for new gas units: 40% (Advanced-Class CTs and 2x1 CCs), 20% or less (F-Class CTs)
Section 111 (d) of Clean Air Act	Assume conversion to 100% gas*
Mercury & Air Toxics Standard (MATS)	Compliance costs included in EPA Environmental Regulation Scenarios
Effluent Limit Guidelines (ELG)	Compliance costs included in EPA Environmental Regulation Scenarios
Ozone NAAQs Federal Implementation Plan (FIP) "Good Neighbor Rule"	The US Supreme Court granted a request for a stay on June 27, 2024.

*Dominion Energy is showing compliance with Section 111(d) with 100% conversion to gas for modeling purposes.

Topic 1: Modeling: Build Plan Overview

Scenario	1	2	3	4	5
Description	**Least Cost with EPA Environmental Regs**	**Least Cost without EPA Environmental Regs**	**Least Cost with EPA Environmental Regs**	**VCEA-Compliant with EPA Environmental Regs**	**VCEA-Compliant without EPA Environmental Regs**
Meets RPS Program Requirement?	Yes	Yes	Yes	Yes	Yes
Forced VCEA Development Targets	No	No	No	Yes	Yes
Retirements	Least Cost Optimized with Reliability Consideration	Least Cost Optimized with Reliability Consideration	Least Cost Optimized with Retirement Considerations	Least Cost Optimized with Reliability Consideration	Least Cost Optimized with Reliability Consideration
REC Purchases	30%	30%	30%	30%	30%
Load Forecast	PJM*	PJM*	PJM*	PJM*	PJM*
Capacity Purchases	PJM CETL	PJM CETL	PJM CETL	PJM CETL	PJM CETL
Energy Imports	Transmission Study	Transmission Study	Transmission Study	Transmission Study	Transmission Study
Planning Horizon	15 years	15 years	15 years	15 years	15 years
Renewable Utility/PPA	Model Optimized	Model Optimized	Model Optimized	65/35*	65/35*
Energy Efficiency	Aligned with goals established in SCC's pending target setting proceeding; Beyond 2028 based on proposed targets with reasonable increase based on savings potential				

* Required by statute/order

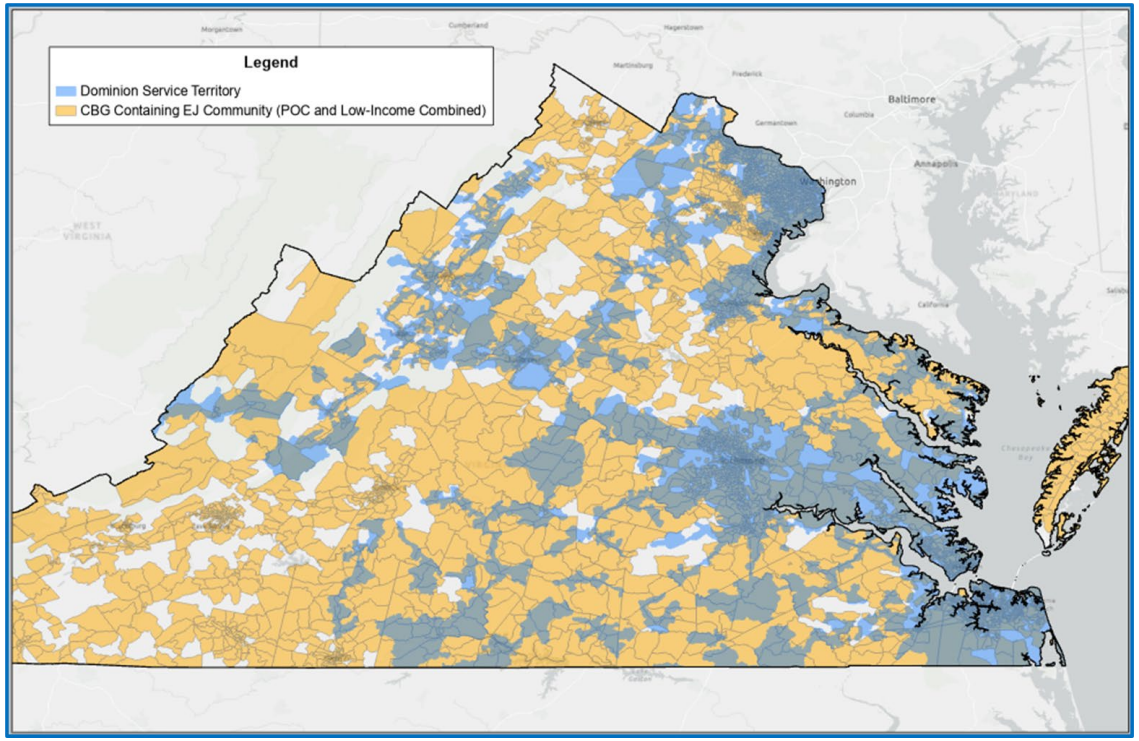
Topic 1: Modeling: Sensitivities

Factors	Sensitivity
High Load Forecast	Increase data centers (example) 5%, 10%, 20%
Low Load Forecast	Decrease data centers (example) 5%, 10%, 20%
Company Load Forecast	Yes
High Fuel	Includes high energy, capacity, RECs
Low Fuel	Includes low energy, capacity, RECs
High Construction Costs	+10%
Low Construction Costs	–10%
Non–Normal Weather	Yes

Topic 2: Environmental Justice

- Description of Dominion Energy's EJ Process
- More information on how EJ is generally considered from the Company's perspective
- A generic evaluation of potential environmental impacts relative to different types of power generation facilities
  - Renewable and other
  - Table for comparison
- Dominion Energy's Virginia EJ Act Map
- Section on Just Transition

Dominion Energy's Map of VA EJ Communities



This map represents a preliminary analysis, created on behalf of Dominion Energy. This map is not provided by or endorsed by the Commonwealth of Virginia.

Topic 3: Reliability

Examples of the spectrum of current GETs application in use across the Dominion Energy Virginia footprint.

The electric grid is experiencing a rapid transformation both in terms of the unprecedented growth it must meet and the challenges that come with a changing generation portfolio to more renewable resources. **Grid–enhancing Technologies (GETs)** play a part in delivering on Dominion Energy's commitment to meeting our customers' energy needs and enable more clean energy.