

*Note: This report was written to consolidate the discussion held during the small group meeting on the date and time below as part of Dominion Energy's 2024 Virginia and North Carolina IRP stakeholder process. It does not necessarily represent consensus viewpoints or unanimously held positions of all participating organizations.*

## **Summary Report Small Group Meeting**

**5/7/2024**

**1:00 – 3:00 pm**

### **Initial Questions or Follow-Ups:**

- How does the availability of technologies impact the model?
- Is there a potential to overbuild solar?
- How does load letter schedule impact the load forecast?
- How will SMRs impact the model, if available?
- How does geothermal affect the model?
- Is there a possibility for new nuclear reactor types at Surry Power Station to curtail demand?
- What is Dominion Energy's plan to handle on-site generation?

### **Initial Feedback Received:**

- Load Forecast
  - Data center demand
    - Underestimates demand.
    - Constrained by current load letter process.
- Reliability
  - Should consider onsite generation.
  - Should reflect unused energy from overproduction by solar.
  - Should consider performance standards for data centers.
  - Should maximize nuclear energy, SMRs and/or micro reactors.
  - Should consider land issues, including impact of solar and transmission lines on agricultural land.
- Affordability
  - Should reflect cost to build out generation that will be needed to backup intermittent resources.
  - Should consider cost of Renewable Energy Certificates vs actually producing clean energy.
  - Should limit transmission lines.
- Technologies / Programs
  - Hydrogen fuel.
  - Natural gas recapturing systems.
  - Micro / small nuclear reactors.
  - Geothermal.
  - Long-term storage
  - Microgrids

- Reconductoring/Energy Efficiency
- Transmission
  - Should consider advanced conductors using carbon core and super conductors.
  - Should consider needs for new rights-of-way or limit new transmission lines.
  - Should leverage non-transmission solutions.