



DATA CENTER SERIES FORUM #1: ENERGY CHALLENGES AND OPPORTUNITIES

AGENDA

9:00 A.M. Breakfast and Registration

10:00 A.M. Welcome and Opening Remarks

Anne Choate, ICF President

Phyllis Randall, Loudoun County Board of Supervisors Chair

10:20 A.M. Session 1: Data Center Primer

Mike Turner, Loudoun County Board of Supervisors Vice Chair

Chris Kimm, Data Center Coalition Immediate Past Chair

Supervisor Turner and Chris Kimm will explore the significance of data centers, particularly in the IT, cyber, and AI sectors, and their impact on local and regional economies. Understand the main types of data centers and their specific needs. Learn about the number of operational data centers, projected growth in the next two years, and the corresponding increase in energy demand.

1. The data-driven economy: Economic contributions of data centers
2. Overview of types of data centers and their operations and the data center types most likely for our region.
3. Who are the players that influence this? Understanding the challenges and what is on the horizon? Where do local governments sit?

Q & A: 10:40 A.M. – 10:50 A.M.

10:50 A.M. Session 2: Meeting Current Demand and Looking to the Future

Moderator: Jim Reilly, Reilly Associates Consultant

Panelists:

- *Zach Greene, North American Electric Reliability Corporation (NERC) Manager of Strategic Engagement*
- *David Rardin, PJM Manager of Regulatory/Legislative Affairs*
- *Jason Williams, Dominion Energy Vice President of Strategic Partnerships*
- *Will Ellis, Pepco Director of Government Affairs*
- *Tina Kaarsberg, U.S. Department of Energy Program Manager of Energy Technologies and Manufacturing Workforce*

Session 2: Meeting Current Demand and Looking to the Future (continued)

This session is focused on assessing data center growth and energy projected requirements; current grid capacity and utility plans for meeting increasing demand; technology and efficiency developments and advances in microgrid controllers; and alternative or supplemental energy sources.

1. Understanding the scale of energy and infrastructure needed for data centers on the ground and those in the pipeline, and how this could affect grid reliability.
2. The Electric Grid – How is it meeting current needs; demand impact on customer rates; planning and developing energy and supply infrastructure to support data centers.
3. Alternative/supplemental energy sources: Role of energy efficiency and technology advancement and bring your own energy. What can be done (high voltage direct current, microgrids, small modular reactors), who is doing it, and what does it look like? What else is needed?

Q & A: 12:00 – 12:10 P.M.

12:10 P.M. Lunch Provided

12:45 P.M. Lunch Discussion: State Policy Landscape

Moderator: Deb Harris, ICF Vice President

Lunch Speakers:

- *David Terry, National Association of State Energy Offices (NASEO) Director*
- *Angela Navarro, Align Energy Advisors President*

Q & A: 1:20 - 1:30 P.M.

1:30 P.M. Session 3: Energy Policy Updates, Processes, and Opportunities

Moderator: Mike Turner, Loudoun County Board of Supervisors Vice Chair

Panelists:

- *Jeff Dennis, Electricity Consumers Alliance Executive Director*
- *Neal Elliot, American Council for an Energy Efficient Economy Director Emeritus*
- *Emily Orvis, Voltus Vice President of Energy Markets*

Panelists and participants will explore what options are available to assist in meeting the energy need for data centers. They will discuss what role data centers can play to augment energy supply. In an interactive roundtable format, panelists from the day will discuss the roles of state and local governments and what policy options are available to effectively support efforts to meet energy needs and grid reliability.

2:30 P.M. Closing Remarks and Adjourn