

Energy Issues

- Current State of Regulatory Policies & Our Commission
- Solar (...and storage...and EV batteries...)
 - And Schools
- Solar Siting & Land Use (Agriculture & Forestry)
- Communication with Local First Responders
 - Fire Departments
 - Police Departments
- Electric Supply Chain & Other Post-COVID Impacts



State of
Energy
Regulatory
Policy

Virginia's Unique Commission: Court & PSC

The Hollowing Out of the Commission

Making Policy at the General Assembly

Data Centers

- Incredibly Huge Users of Electricity
- Could Double, then Double Again
- Highly Sophisticated, Competitive, Precise
- Financial Impacts; New Ecosystems?
- Protections for or from a POLR Obligation
- Transmission Capacity Constraints
- Generation Constraints?

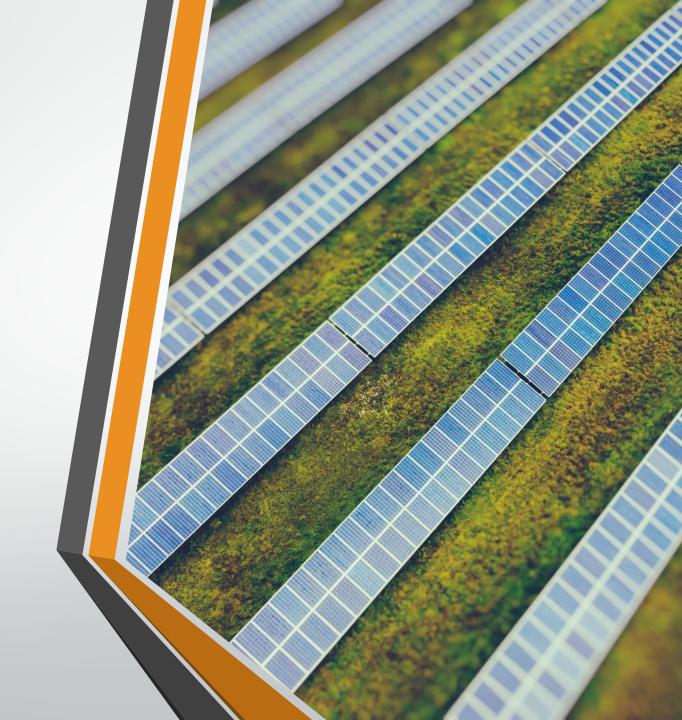


Solar as Green Technology

- Solar Panels—Getting More Efficient; Cost-Competitive
- Clear Consumer Demand for Solar Technology; Financing Options
- Storage and EV Batteries
 - Competing for Rare Earth Minerals
 - Mining/Environmental Impacts
 - Silicon Steel
- Solar on Schools—Beware the Sales Pitch!
 - Impact of Demand Charges
 - *No Electric Bill" or Pie-In-The Sky Savings
 - Oversizing

Utility-Scale Solar Siting

- Increasing Competition between Solar and Agriculture & Forestry Lands
- Rural Areas Particularly Affected
- Ongoing Work Groups/Study Groups: HB 206
- Getting the Balance Right: Agriculture as Virginia's #1 Industry
- Have a Policy—Not a Ban
- Need Broad Community Engagement
- Broadband Impact & Rural Areas



Local First Responders: Security & Safety

Fire Risks from EV & Storage Batteries

- Hotter
- Longer
- Resistant to Traditional Agents
- Hazardous Chemicals Emitted During Burning
- Overall Risk Low for EVs vs. Traditional Cars
- Know Where Emergencies Likely to Occur

Security Risks for Infrastructure

- Substations Critical vs. Radial?
- Moore County, NC Attack
- Connect Sheriff's Departments & Local LEOs with Utilities; Know Your Area

Supply Chain & Wider Impacts Post-COVID

- COVID Impacts; Rate Revenue Losses
- Public Assistance vs. Current Situation
- Physical Infrastructure Challenges
 - Large Transformers Lead Times
 - Residential Transformers Cost, Lead Times
 - Other Equipment: Poles, Mounting Brackets
- Impacts on Reliability
- Impacts on Development
- CARES Coalition: <u>www.ReliabilityCoalition.com</u>



Questions & Thank You!

Keep in touch!

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