Solar Programs in Virginia

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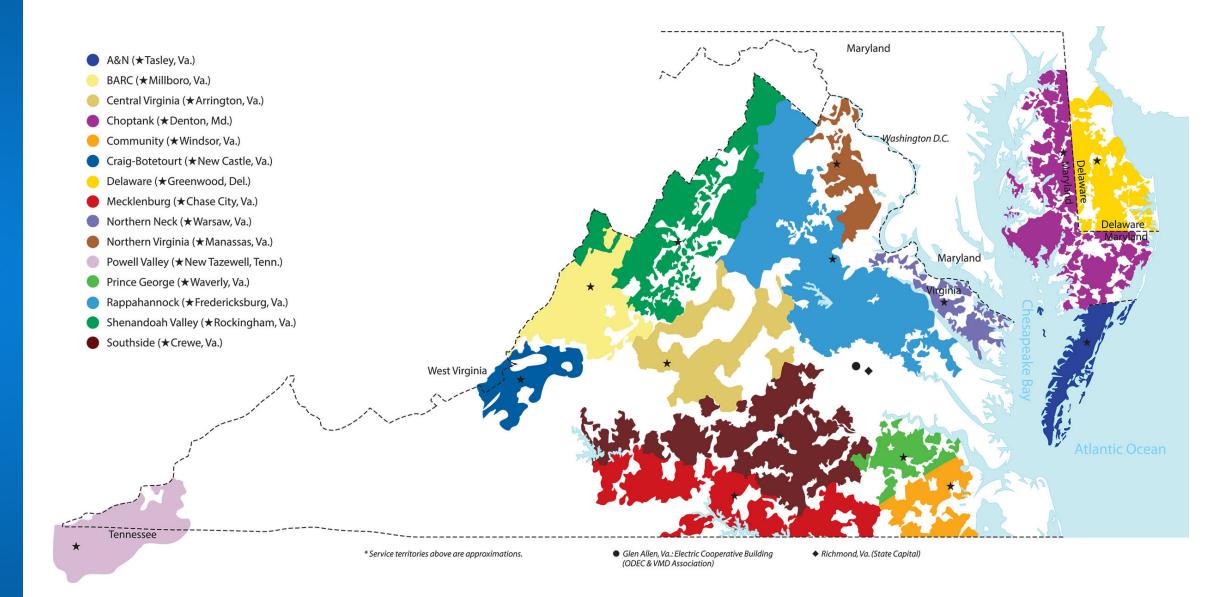


- Overview of electric cooperatives in Virginia
- Overview of electric generation, transmission, and distribution
- Solar in co-op service territories
- Net Energy Metering (NEM) at co-ops
- Small Agricultural Generation at co-ops
- □ Future expansion
- Project example



Electric Cooperatives in Virginia

Service Territories in Virginia



Electric Cooperatives

Co-ops are ...

- Owned by their members
- Locally governed by elected Boards of Directors
- Operate at cost of service
- Return excess margins to their members
- Regulated by the State Corporation Commission (SCC)



How does electricity get to my house?

- Generation
- Transmission
- Distribution



Solar in Co-op Service Territories





Utility-Scale Private Development

Net Energy Metering (NEM)

NEM is a billing practice that allows you to net the electricity you generate against what you consume at your home.

- Each co-op has a NEM tariff.
 NEM works differently at co-ops and Investor-Owned Utilities (IOUs)
 - Residential up to 20 kW and 100% of load
 - Commercial up to 1 MW and 100% of load
- Option to purchase Renewable Energy Certificates (RECs)
- Co-ops can work with you on interconnection/ physical aggregation



Net Metering

Power Purchase Agreements (PPAs)

- Third-party PPAs are available to nonprofit and non-jurisdictional members
- Beginning on July 1st of this year, co-op boards can make this available to all members
- PPAs must be entered into with a registered provider



Small Agricultural Generation (SAG)

Small Agricultural Generation, or SAG, is a "buy-all, sell-all" product.

- Each co-op has a SAG tariff
- Co-ops must purchase up to the limits of the tariff
- Member receives payment for energy, capacity, and RECs



Community Solar

Community solar is a subscriptionbased product.

- 6 co-ops offerCommunity Solar:
- SVEC will soon offer
- Subscriptions can help save money on electricity supply in the long-term.

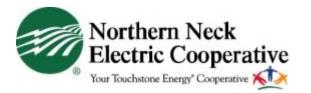














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Future Solar Expansion

Future Expansion

Co-ops have been at the forefront of solar development and authorizing legislation.

Legislation passed this year will:

- Allow the authority for third-party PPAs for residential and commercial members
- Allow the authority for unlimited NEM caps in coop territories



Future Expansion – 2023 and Beyond

Co-ops are working on ...

- Virtualization and aggregation of metering
- □ Shared solar projects





Small Farm Example

- 1 house
- 1 poultry house
- 1 well pump
- 1 barn
- Open field

Options:

- NEM behind each structure/meter
- Physical interconnection of facilities
- SAG in open field
- Private utility-scale in open field

Questions?