

Net Metering Webinar Dec '25



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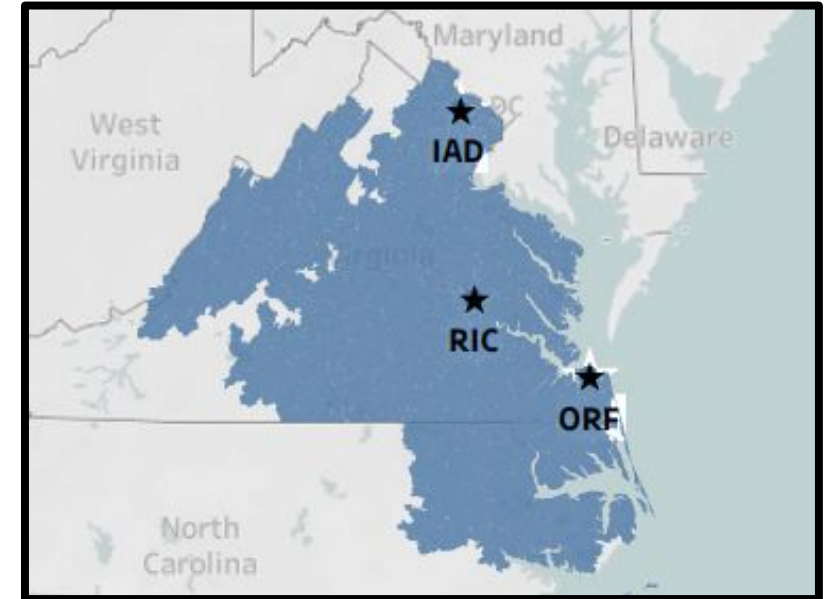
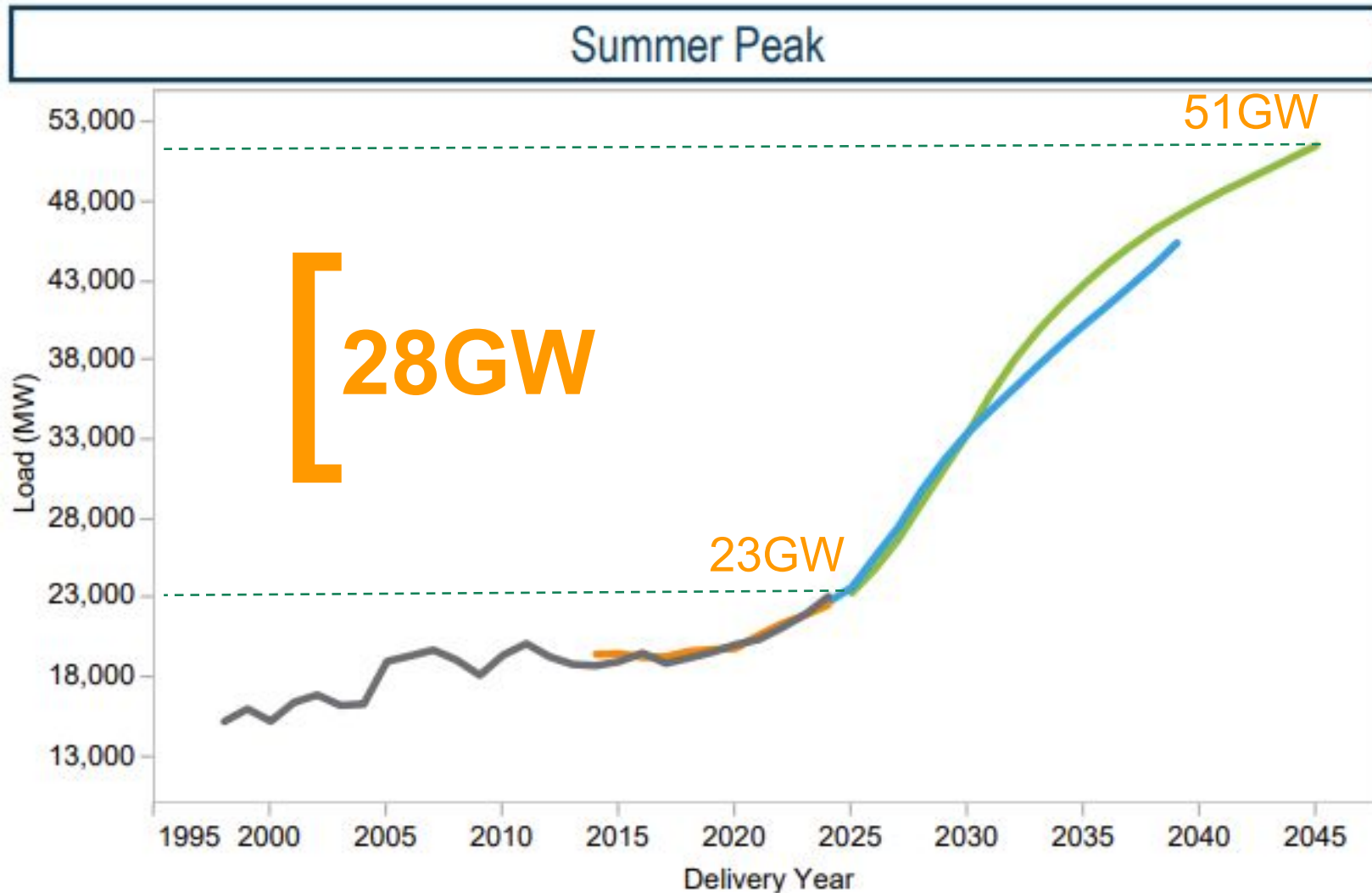


Key Energy Focal Points

- Energy Lay of the Land
- The Power of Small Scale Solar
- Dominion's Net Metering Petition
- Value of Solar Report
- Action: Public Comment

Skyrocketing Load Demand

Dominion Energy's 20 Year Forecast



Green = 2025 projection
Blue = 2024 projection

DIVE BRIEF

PJM capacity prices set another record with 22% jump

The Trump administration will likely seize on the auction results to justify keeping thermal power plants, namely coal, in PJM from retiring, according to analysts with Capstone.

Published July 23, 2025



Ethan Howland
Senior Reporter

in



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Dominion Energy Integrated Resource Plan projects historic rate increases for Virginia ratepayers while subsidizing the world's wealthiest companies

Posted on October 17, 2024 by PEC



FEDERAL TAX

Clean Energy Credit Repeals May Rattle Industry, Tax Sector Expects

Tim Shaw, Checkpoint News

June 24, 2025 · 5 minute read



The House and Senate tax titles for the One Big Beautiful Budget Act (OBBBA, [H.R. 1](#)) both make deep cuts to clean energy credits under the Inflation Reduction Act that have implications for different energy types, but differences between the two proposals will need to be reconciled before stakeholders can plan accordingly.

Chart: 96 percent of new US power capacity was carbon-free in 2024

Solar, batteries, and wind accounted for the vast majority of new electrons on the U.S. grid last year, but fossil fuel use remains high.

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OPINION

Virginia now imports more electricity than any other state

Because of the growth of power-hungry data centers, Virginia has now surpassed California as the nation's top electricity-importer.

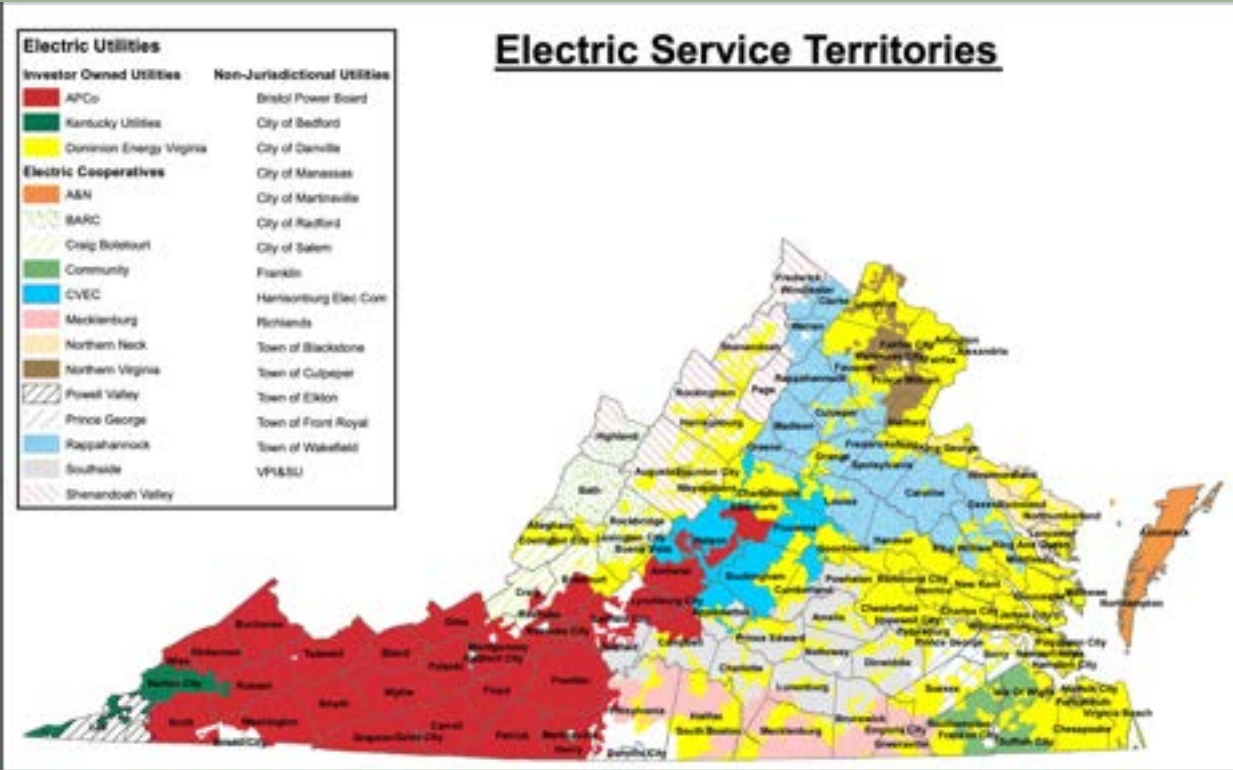
by **Dwayne Yancey**
January 21, 2025





Dominion Primer

- Dominion serves over 3.7 million customers throughout VA
 - **Utility's investment/Rate of return calculus**
 - 2025 Earnings: Reported Earnings (Nine Months Ending Sept 30): \$2.431 billion
 - Beginning on Jan. 1, 2026, residential customers will face a 7.5% rate increase
 - Bills expected to double
 - Solar savings: Back of the napkin math



Electricity costs over time

Current Electric Bill Cost	10-year Electricity Cost*	20-year Electricity Cost*	30-year Electricity*
\$50	\$6,815	\$15,798	\$27,638
\$100	\$13,631	\$31,596	\$55,276
\$150	\$20,446	\$47,395	\$82,914
\$200	\$27,261	\$63,193	\$110,552
\$250	\$34,077	\$78,991	\$138,191

*Assumes an annual electricity price increase of 2.8% based on the 10-year average inflation rate.

VA Clean Economy Act



- Mandatory Renewable Portfolio Standard
 - 100% renewable energy by 2045/2050 for Dominion/APCo
- Distributed Generation Cap → 6% of peak load

Benefits of Distributed Generation



- What is Distributed Generation
 - Residential and commercial rooftop, parking lot solar, agrivoltaics
- Connects energy *quickly* to the grid
- Lessens impact to ag land and forests
- Protection against utility rate increases
- Less lost to transmission inefficiency
- Protection against outages (with battery)
- Energy Independence
- Lessens need for new transmission
- Benefits local businesses



Benefits of Small Scale Batteries

- Backup Potential (*when paired with rooftop solar*)
 - Farm/Home/Business
- Virtual Power Plants
 - Cheaper and faster connect than new gas peaker plants
 - Virginia Pilot Program
 - Hundreds of millions \$'s saved in CA/TX



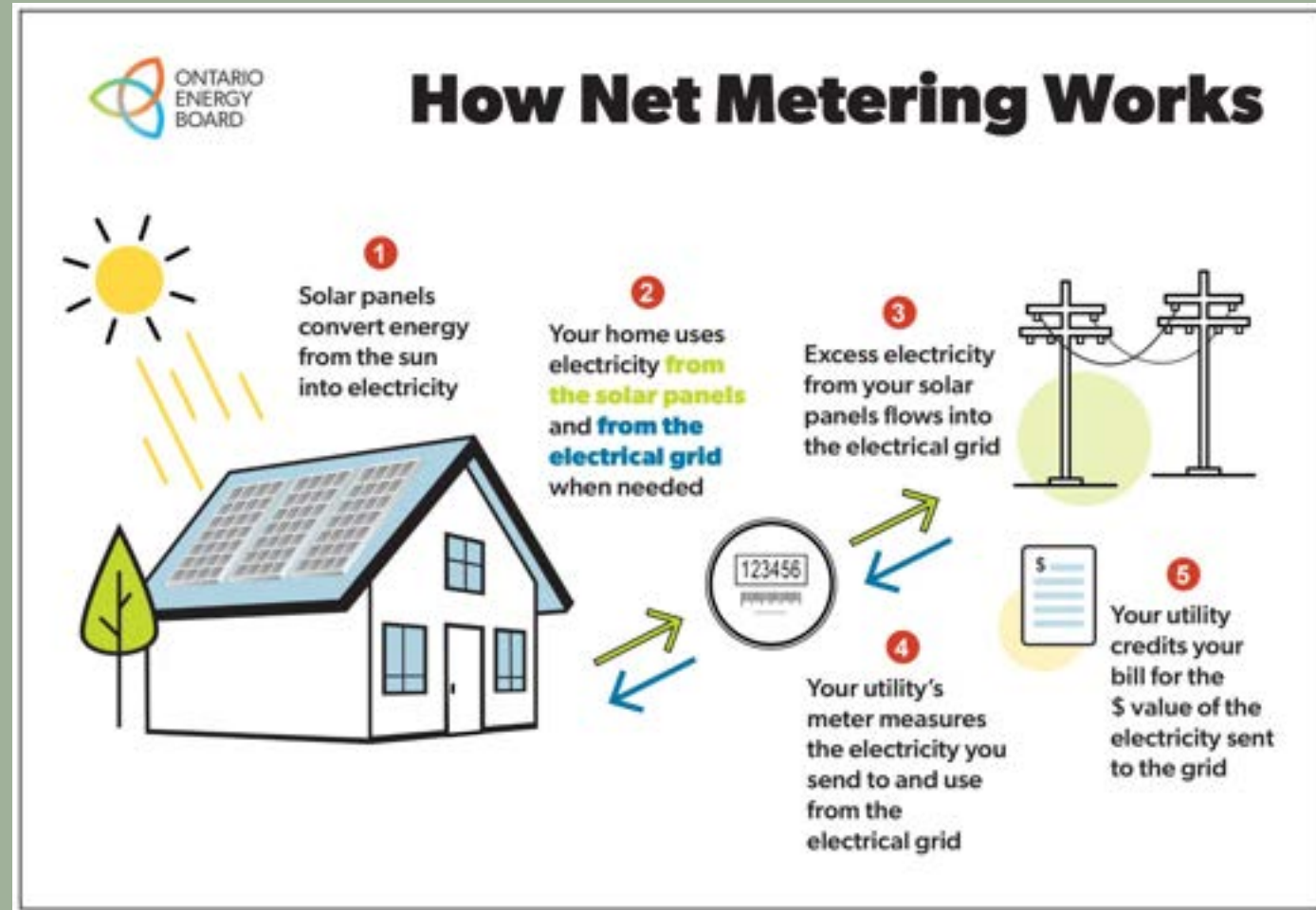
Potential of Distributed Generation



- Capped at 6% of peak load but can be much more
 - Virginia is at less than 2% now
- Parking lot solar study: $\frac{1}{2}$ of Virginia's energy
- Rooftop solar: $\frac{1}{4}$ of Virginia's energy
- Agrivoltaics (Dual use)
 - Grazing and crops
 - 1 MW on each farm (39,000 farms)= 39GW
- Residential batteries
 - Virtual Power Plants
 - Increase efficiency of solar

What is Net Metering?

- Definition
 - Net metering is the foundational policy for distributed generation and related policy
 - Allows people with solar to get a credit on their electric bill for the energy they produce from their system. \$56-594
- Current rules in Dominion:
 - 1:1 Credit (approximately 14.1¢ /kWh)
 - Credits good for 1 year
 - Netted monthly, credits last a year



Distributed Generation: Net Metering

- What is Dominion Trying to Do
 - Decrease Rooftop Export Rate by a third – tied to PPA rate 9.5¢ /kWh
 - Real Time Netting
 - Dominion still sells at retail
- PEC's Value of Solar Study
 - Outreach
 - Education for **Public Comment**
- PEC Intervening in NEM Case
 - Partners: SUN, Sierra Club, Vote Solar, Clean Virginia



To: Piedmont Environmental Council

Date: 2025-08-18

Re: Value of Solar Analysis

Value of Distributed Solar in Virginia: A Framework for Fair Net-Metering Compensation

An Analysis for the Piedmont Environmental Council

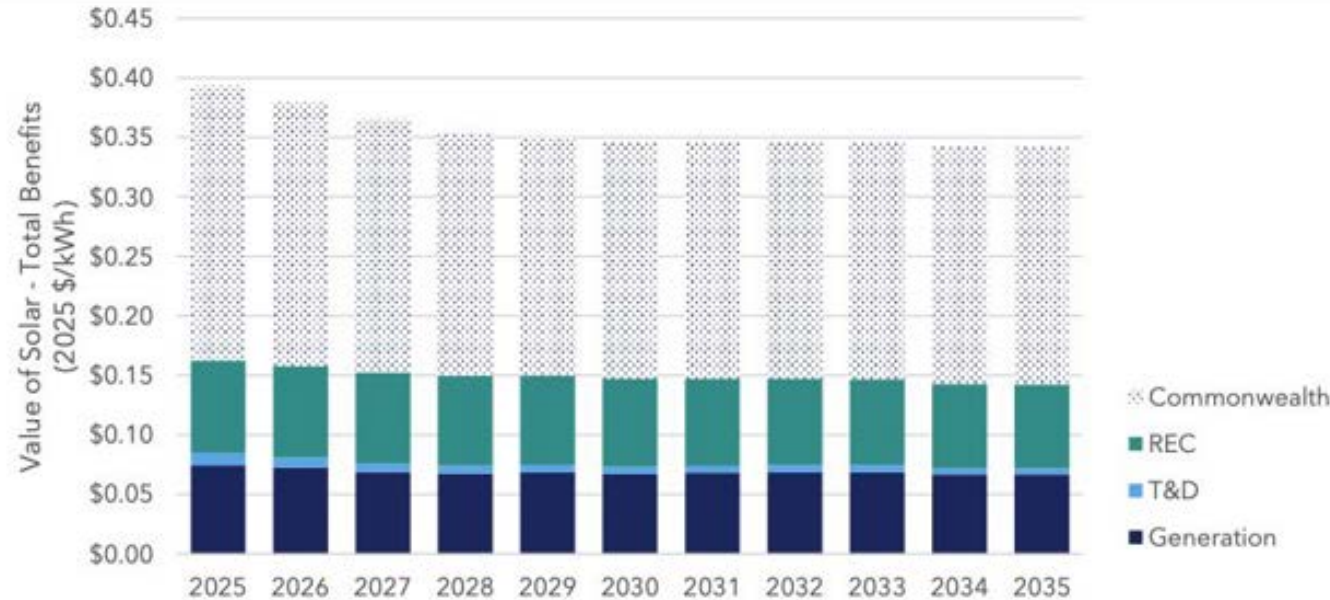
Context

The Commonwealth of Virginia stands at a pivotal moment in its energy transition. Dominion Energy is experiencing unprecedented demand growth, outpacing that of the broader PJM region. This increase is driven primarily by the rapid expansion of data centers, widespread electrification of transportation, and sustained economic development. Further, the Virginia Clean Economy Act (VCEA) has established ambitious targets, requiring Dominion Energy to deliver electricity from 100 percent renewable sources by 2045. Achieving this mandate will require diversifying the energy supply by scaling up clean energy resources, retiring fossil fuel generation, and ensuring that the electricity powering the grid remains reliable, affordable, and increasingly clean.

Customer sited solar PV will be central to this transition and alleviate demand constraints by offsetting load directly at customer sites. To ensure solar PV continue playing a growing role in Virginia's energy system, it is critical to develop frameworks that fairly recognize the full range of benefits these resources provide to both the utility and the Commonwealth.

At the request of the Piedmont Environmental Council (PEC), **Dunsky Energy + Climate Advisors** undertook a comprehensive Value of Solar (VoS) assessment. This analysis evaluates the full suite of benefits provided by distributed solar and compares these results to Dominion Energy's proposed compensation framework for customer-sited solar.

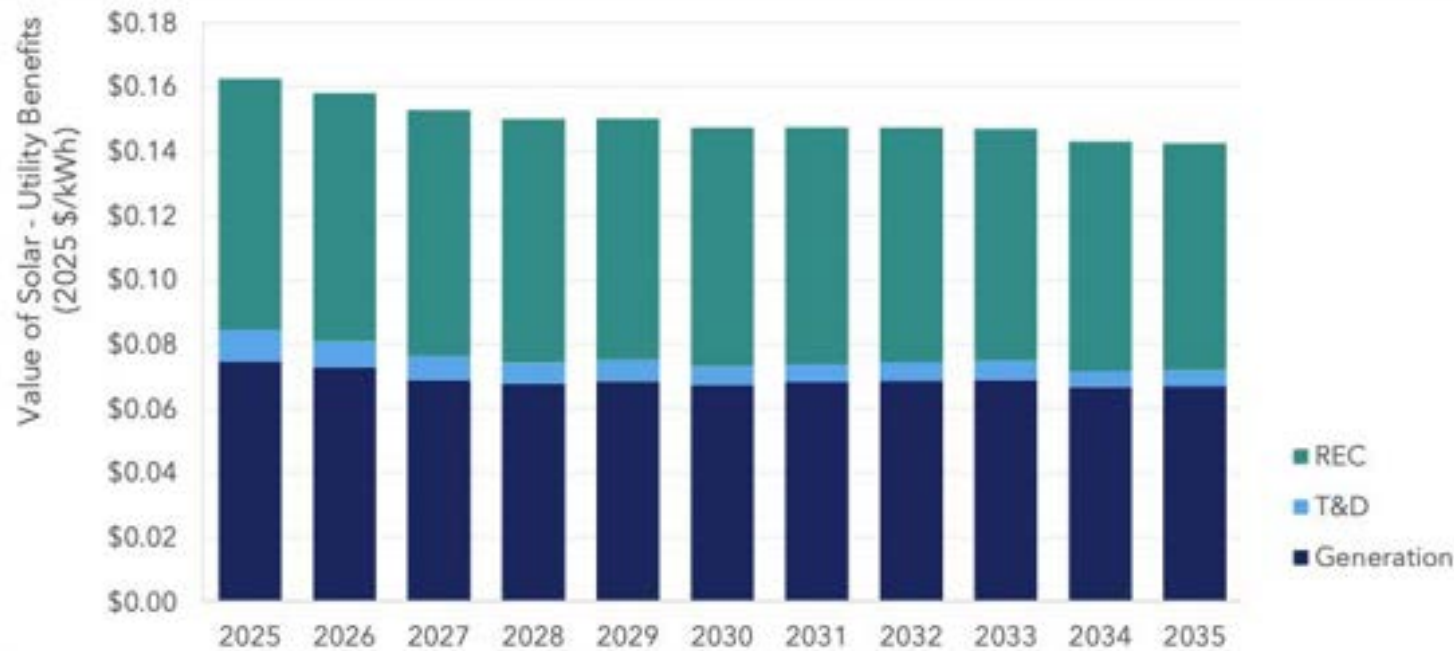
Value of Solar Report



- PEC commissioned Dunskey Energy + Climate Advisors to help calculate the actual value of distributed solar generation to every Virginian
- We found that small scale, distributed solar delivers substantial value that far exceeds what is currently acknowledged under Dominion's net billing framework
- A fair and comprehensive valuation will help maximize the role distributed solar can play in meeting skyrocketing energy demand affordably, reliably, and equitably

Value of Solar Report: Utility Benefits

- Analysis looks at:
 - **Utility benefits:** generation, transmission, distribution, RECs
 - **Commonwealth benefits**
- Utility Benefits Findings:
 - These include avoided energy costs, avoided generation capacity, ancillary services, reduced line losses, risk premium, demand reduction induced price effect.
 - RECs: customer sited solar PV contributes to load reduction-decreased Dominion RPS obligations.
 - **16¢/kWh of utility benefits**

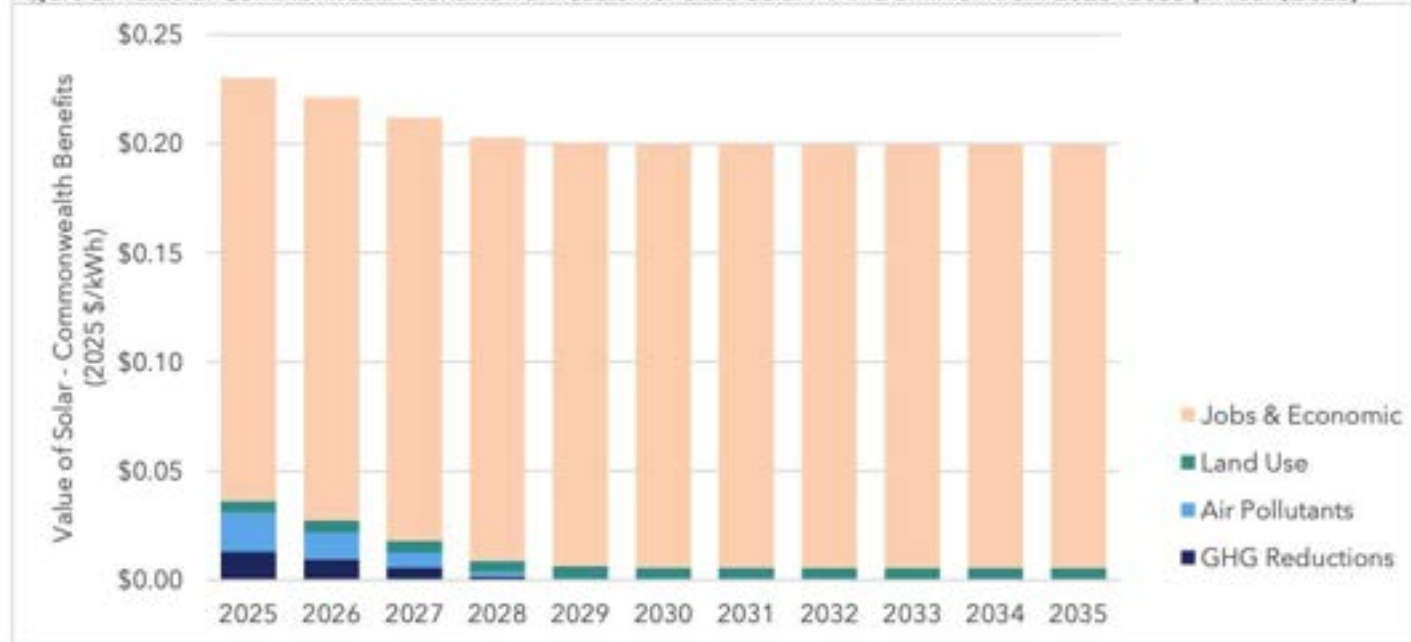


Value of Solar Report:

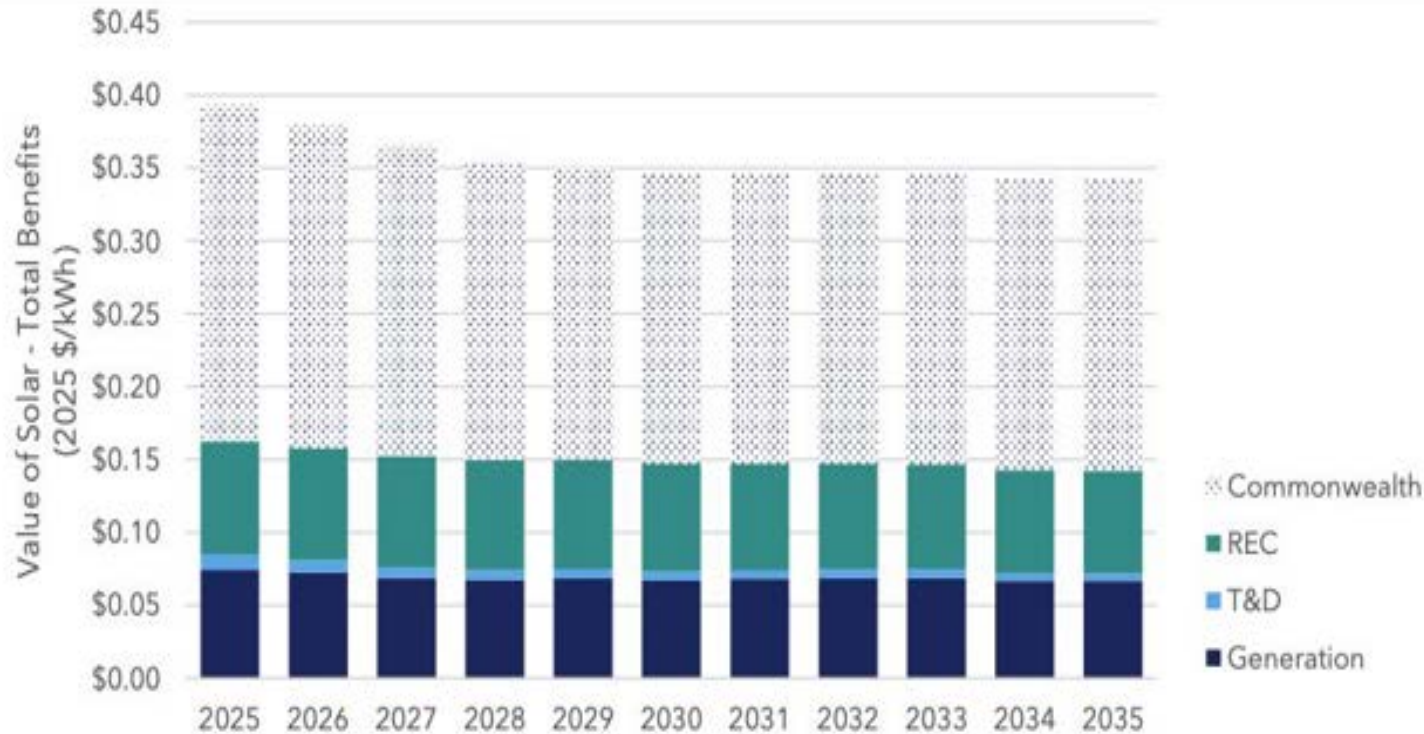
Utility Benefits

- **Commonwealth benefits:** pollution reduction, economic benefits, land use impacts
 - Customer sited solar reduces harmful air pollutant emissions (NO_x, SO_x, particulate matter)
 - Local Job and Economic benefits calculated using National Renewable Energy Laboratory's (NREL) Jobs and Economic Development Impact model.
 - Land Use Impacts: Rooftop solar systems minimize land-use impacts by utilizing existing built environments. This avoids the need for additional land conversion from USS and helps preserve agricultural and forested lands.
 - **Additional 24¢/kWh of Commonwealth benefits**

Figure 2: Value of Commonwealth Benefits from customer-sited Solar PV in Dominion from 2025- 2035 (in real \$2025)



Value of Solar Report



- Utility Benefits (16¢/kWh) + Commonwealth Benefits (24¢/kWh) = **40¢/kWh Overall Benefits**
- Adding storage takes it up to 45¢/kWh
- Further qualitative benefits
 - Energy Security, Resilience, Independence, Decarbonization, Asset Value Enhancement

High Level NEM Takeaways & Public Comment Opportunity

- Energy Independence
- Land Conservation
- Quickly connect energy when and where we need it most
- Supports Virginia's businesses
- Empowers Resilience and Virtual Power Plants
- Protects us from escalating utility bills
- Foundation for further distributed generation legislation
- And much more



- TAKE ACTION
 - Public Comment and Public Testimony
 - Submit a written public comment on the SCC's [web form](#) (deadline to submit is Jan. 13th 2026)
 - Register to be called on the day of the public hearing (10am Jan. 20th) to deliver your testimony over the phone. Register by Jan. 13th at: <https://www.scc.virginia.gov/case-information/webcasting/public-witness/#d.en.25685> or by calling 804-371-9141
 - Tell your friends, family and neighbors!



Piedmont
Environmental
Council

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Thank you!