

# 2022 Solar, Onshore Wind & Energy Storage RFP Informational Webinar

## THE PROGRAM WILL BEGIN SHORTLY.

- **Your audio is muted.**
- **Time is reserved at the end of the presentation to answer questions. Please submit your questions using the Q&A feature.**
- **For technical support, please use the Help feature in the upper right corner or the Q&A feature.**



**Dominion  
Energy<sup>®</sup>**

# 2022 Solar, Onshore Wind & Energy Storage RFP Informational Webinar

*June 9, 2022*



**Dominion  
Energy<sup>®</sup>**

# 2022 Solar, Onshore Wind & Energy Storage RFP

## WEBINAR AGENDA



- Welcome
- VCEA Summary & Progress
- Notable Changes
- Acquisition Requests Overview
  - RFP Process*
  - Scope*
  - Key Considerations*
- Q&A



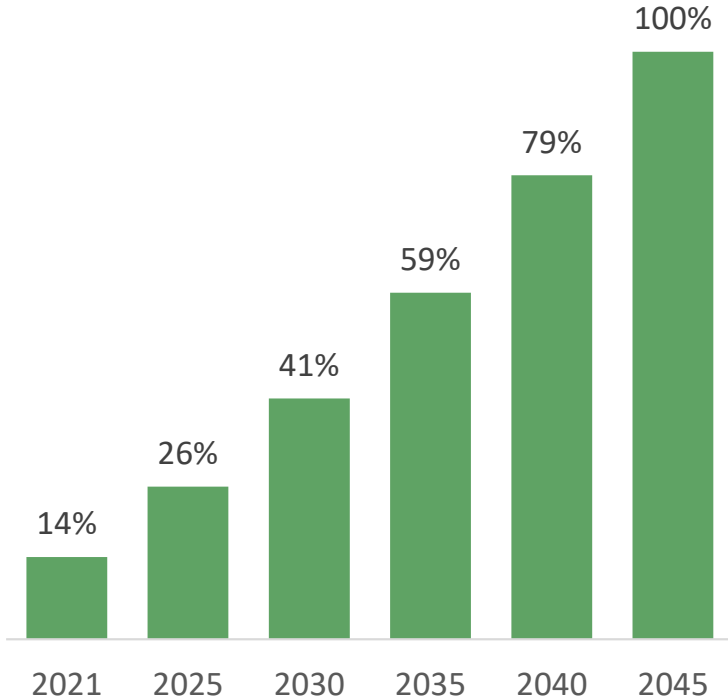
# 2022 Solar, Onshore Wind & Energy Storage RFP

## Virginia Clean Economy Act (VCEA) – Driving the clean energy transition



### Renewable Portfolio Standard<sup>1</sup>

% of DEV's VA retail load<sup>2</sup> generated by renewable sources



### A multi-faceted approach to achieving a clean energy portfolio

- **100% zero-carbon** generation by 2046 with critical protections for **reliability** and low-income **customers**
- **75%** of RECs from Virginia facilities starting in 2025
- Significant development of zero-carbon resources (**24 GW** by 2036)
  - **16.1 GW** solar/onshore wind
    - Includes **1.1 GW** of solar  $\leq$  3 MW per project (DER<sup>3</sup>)
    - 65% company-owned, 35% PPAs
    - 200 MW on previously developed sites
    - Interim goals:
      - 3,000 MW by 2024
      - 6,000 MW by 2027 (cumulative)
      - 10,000 MW by 2030 (cumulative)
      - 16,100 MW by 2035 (cumulative)
  - **5.2 GW** offshore wind (**3 GW** by 2028)
  - **2.7 GW** energy storage<sup>4</sup> (35% PPAs, 10% BTM<sup>5</sup>)



<sup>1</sup> <https://lis.virginia.gov/cgi-bin/legp604.exe?201+ful+CHAP1194+pdf>, pages 20-23

<sup>2</sup> Nuclear generation is credited against the load formula

<sup>3</sup> DER = Distributed Energy Resources (as defined in the 2022 RFP)

<sup>4</sup> Energy storage has interim goals: 250 MW by 2025, 1200 by 2030, 2700 by 2035

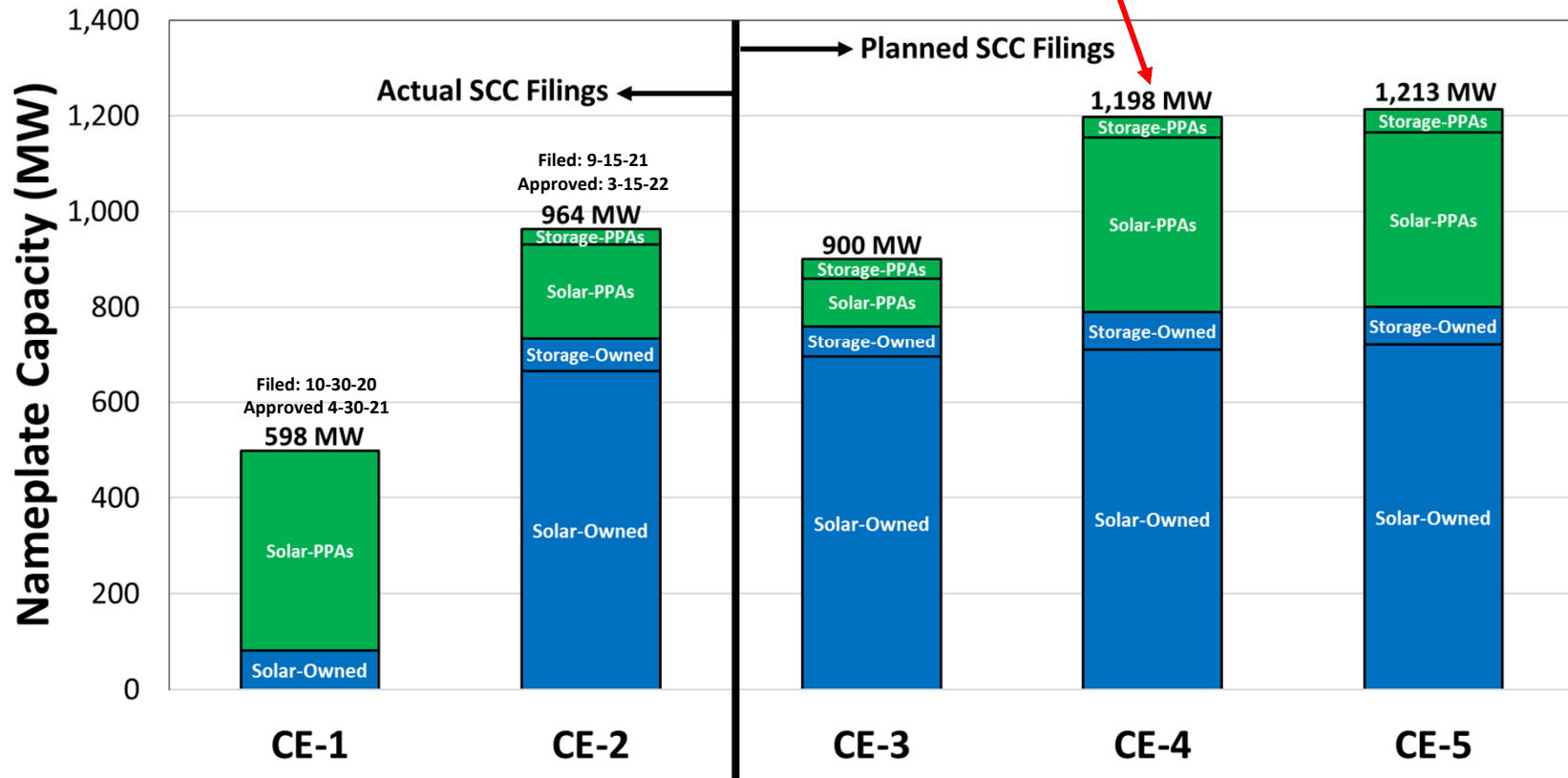
<sup>5</sup> BTM = Behind-the-Meter

# 2022 Solar, Onshore Wind & Energy Storage RFP

## VCEA Progress To Date – Meeting Requirements

**Actual or Planned Total Project Nameplate Capacity by Annual CE Filing**

2022 RFP for Solar, Onshore Wind and Energy Storage will support this SCC filing in 2023



# 2022 Solar, Onshore Wind & Energy Storage RFP

## Notable Changes & Updates



### Process

- Separation of Acquisition and PPA RFPs
- Acquisition RFP
  - ❑ Combines Utility-Scale and Distributed Energy projects
- Year-Round RFP (an “Open RFP Process”)
  - ❑ Provides flexibility to project developers
  - ❑ Maximizes optionality in the Company’s efforts to procure clean energy resources
- PPAs: Separate RFP to be issued around September 1, 2022

### Pricing

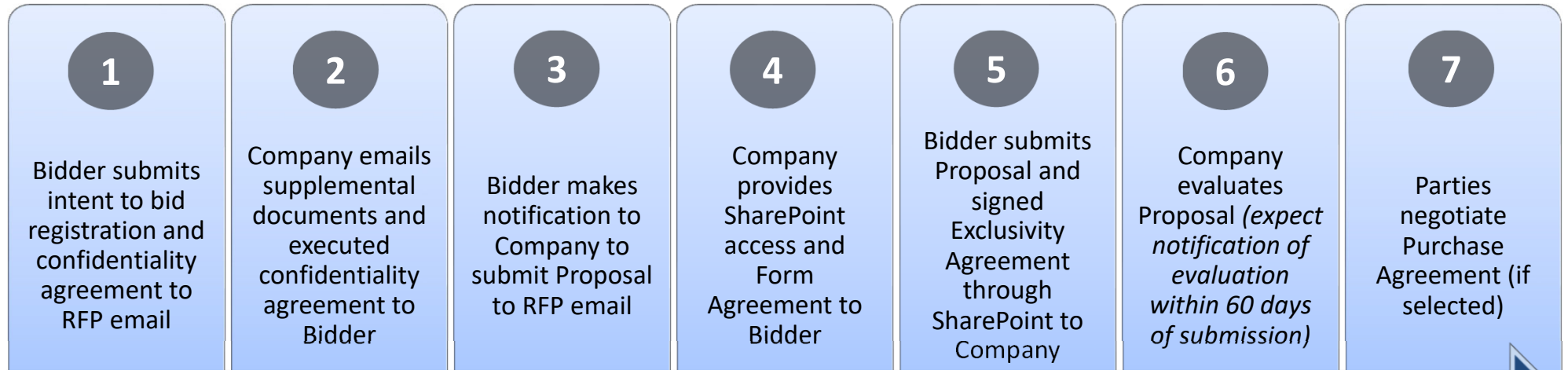
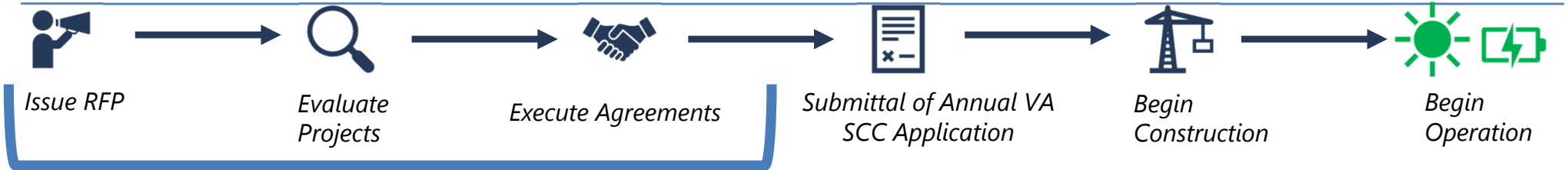
- Solar:  $\$/W_{dc}$
- Storage & On-shore Wind:  $\$/W_{ac}$

### Requirements

- **Exclusivity Agreement:** 2 months with automatic extensions up to 8 months, if needed
- **Anticipated Commercial Operation Date (COD)**
- **Checklist Requirements:** Natural Resource Mapping & FAA Notice Criteria Assessment
- **New Ancillary Documents:** Project Parcel Characteristics Worksheet & Storage Run-off Reduction Compliance Worksheet

# 2022 Solar, Onshore Wind & Energy Storage RFP

## Process – Year-Round (Open RFP)



[www.dominionenergy.com/DEVCleanEnergyRFP](http://www.dominionenergy.com/DEVCleanEnergyRFP)

# 2022 Solar, Onshore Wind & Energy Storage RFP

## ACQUISITION SCOPE



### Utility-Scale Solar, Onshore Wind & Energy Storage Greater than 3 MW

- Solar/Onshore Wind – up to 640 MW
  - Includes projects on previously developed sites
- Energy Storage – up to 80 MW
  - Stand-alone or paired with solar or onshore wind
  - Paired facilities must have grid charging capabilities
- Must be located in Virginia
  - May be located outside the Dominion Energy Virginia service territory
- Anticipated Commercial Operation Date (COD)
- Provide for the right to purchase all development assets for 100% of the project's proposed nameplate capacity
- Development fee
  - Solar -  $\$/W_{dc}$
  - Wind -  $\$/W_{ac}$
  - Energy Storage -  $\$/W_{ac}$

### Distributed Energy Solar 3 MW or less

- Solar– up to 65 MW
  - Includes projects on previously developed sites
  - Limited to maximum of 3 MW at the same contiguous location
- Minimum facility capacity = 50 kW
- Must be located in Virginia
  - Must be inside Dominion Energy Virginia service territory
- Anticipated Commercial Operation Date (COD)
- Provide for the right to purchase all development assets for 100% of the project's proposed nameplate capacity
- Development fee
  - $\$/W_{dc}$



# 2022 Solar, Onshore Wind & Energy Storage RFP

## *Successful path to selection*



### *Fundamental Project Milestones*

- ✓ Interconnect status
- ✓ Land and easement control secured
- ✓ Local permit obtained

### *Follow the Checklist for completeness and conformance*

- ✓ Re-freshed and complete studies
- ✓ Complete Information Form Addendum
- ✓ Record of community engagement

### *Provide a realistic development plan*

- ✓ Proposed in-service date is supported by development status
- ✓ Interconnection impact on project timeline is understood
- ✓ Design capacity ( $MW_{dc}$ ) is achievable and accounts for constraints, setbacks, buffers, stormwater controls

### *Project Agreements*

- ✓ Executed exclusivity agreement
- ✓ Limited exceptions to the form agreement

# 2022 Solar, Onshore Wind & Energy Storage RFP

## Energy Storage Acquisition Key Considerations



### *RFP Storage Target / Acquisition Types / Use Cases and Technologies*

- Target Sizes: 80MW | 3MW min size | single site submissions (not aggregate sum of projects)
- Acquisition Types: Solar + Storage | Onshore Wind + Storage | Standalone Energy Storage
- Technologies: 4HR Lithium-Ion AC BESS submission required, alternative technologies considered on case-by-case basis

### *Storage Development Checklist Criteria Updates*

- Spacing and Firewall Supplement
  - Site plans must incorporate detailed 25' or 50' spacing and setback requirements as noted in the Supplement document, depending on MWh rating of containers / groupings of containers
  - 100' setback requirement from property lines for projects >10MW in size
- Geotech Specs | Storage-specific boring requirements provided
- Size stormwater basins for BESS site plans using the VRRM Compliance Spreadsheet
- Developer responsible for completing all required checklist items for bid to be classified as conforming



# 2022 Solar, Onshore Wind & Energy Storage RFP

## *Distribution Scale Solar Acquisition Key Considerations*

### *RFP Acquisition Target*

- Target Size: 50kW – 3MW
- Solicitation for up to 65 MW

### *Distribution Scale Specific Requirements*

- Projects must be within Dominion Energy Virginia's electric service territory
- Projects are limited to 3 MW or less at the same or contiguous location
  - Contiguous location: unbroken expanse of land which may be comprised of one or many separate and/or subdivided properties
  - Two facilities on adjacent properties are non-conforming if the sum of their capacity exceeds 3 MW
- The Virginia State the Virginia State Jurisdictional Interconnection process is separate and distinct

# 2022 Solar, Onshore Wind & Energy Storage RFP

## Q&A PANEL



## Q&A – Christine Sedlar, Moderator

- **Emil Avram** – *Vice President, Business Development*
- **Todd Flowers** – *Director, Business Development*
- **Ricky Elder** – *Manager, Business Development - Storage*
- **Austin Jones** – *Manager, Business Development - Distributed Energy Resources*
- **Amelia Boschen** – *Supervisor, Environmental Regulations*
- **Katie MacCormick** – *Environmental Justice Consultant*
- **Gary Payne** – *Manager, Business Development – Solar Acquisitions*
- **Joel Trivette** – *Sr. Construction Project Manager, Interconnection*
- **Mark Walker** – *Director, Construction Projects - Solar*
- **Robert Hare** – *Manager, Construction Projects - Storage*

### Email:

Acquisitions - [DEVCleanEnergyRFP-Acquisition@dominionenergy.com](mailto:DEVCleanEnergyRFP-Acquisition@dominionenergy.com)

PPAs - [DEVCleanEnergy4RFP-PPA@dominionenergy.com](mailto:DEVCleanEnergy4RFP-PPA@dominionenergy.com)

### Website:

[www.dominionenergy.com/DEVCleanEnergyRFP](http://www.dominionenergy.com/DEVCleanEnergyRFP)