

2023 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.

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2023 Solar, Onshore Wind & Energy Storage RFP Informational Webinar

May 4, 2023



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2023 Solar, Onshore Wind & Energy Storage RFP

WEBINAR AGENDA



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



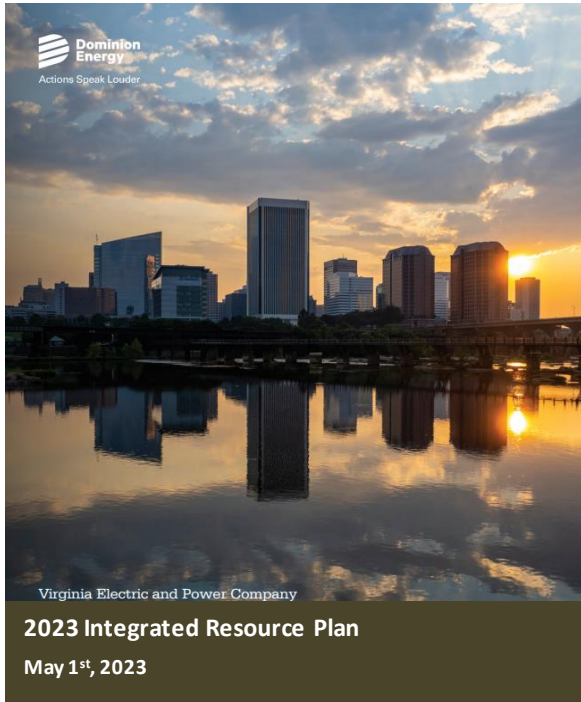
2023 Solar, Onshore Wind & Energy Storage RFP

The Integrated Resource Plan & Virginia Clean Economy Act (VCEA)



2023 Integrated Resource Plan

Driving the Clean Energy Transition



The Virginia Clean Economy Act

A multi-faceted approach to achieving a clean energy portfolio

- **100% zero-carbon** generation by the end of 2045 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 2035)
 - **16.1 GW** solar/onshore wind
 - Includes **1.1 GW** of solar \leq 3 MW per project (DER¹)
 - 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 2027)
 - **2.7 GW** energy storage² (35% PPAs, 10% BTM³)

¹ DER = Distributed Energy Resources (as defined in the 2023 RFP)

² Energy storage has interim goals: 250 MW by 2025, 1200 by 2030, 2700 by 2035

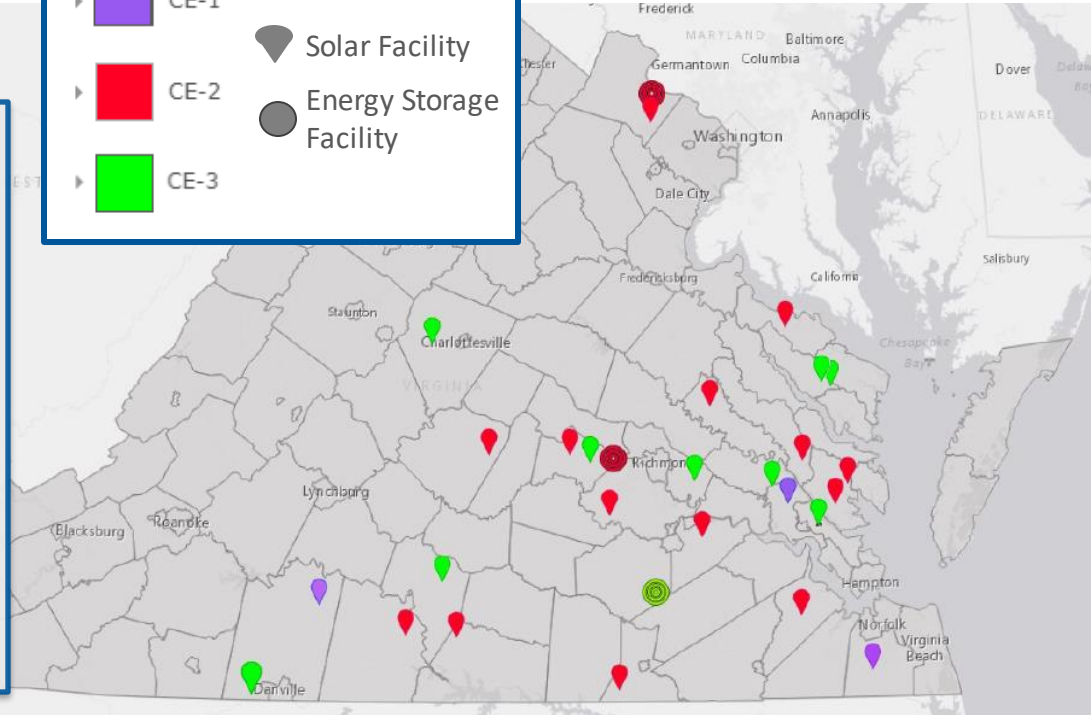
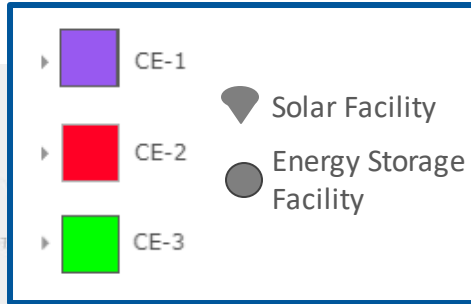
³ BTM = Behind-the-Meter

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VCEA Progress To Date – Meeting Requirements

Clean Energy Program Highlights

- > 1.3 GWs of Energy Projects Approved
 - Locations span the Commonwealth
- 29 Total Projects
- 26 Solar Projects
 - 2 projects have been placed in service
 - 4 represent DER projects
 - 2 projects on previously developed sites
 - 24 projects from the development community
- 3 Energy Storage Projects
 - 2 projects from the development community



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Notable Highlights & Changes



Scope

- **Quantity Target:** *Not specific – tied to RPS targets*
- **DER**
 - Allow co-located projects*
 - Accepting proposals at mechanical completion*

Process

- **Acquisition RFP:** *Combines Utility-Scale and Distributed Energy projects*
- **Year-Round RFP (an “Open RFP Process”):** *Preferred submission dates*

Pricing

- **Solar:** $\$/W_{DC}$
- **Storage & On-shore Wind:** $\$/W_{AC}$

Requirements

- **Fundamental Project Milestone Completed**
- **Checklist Requirements**
- **Ancillary Documents**
- **Exclusivity Agreement**
- **Purchase Agreement**

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ACQUISITION SCOPE



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

- **Solar/Onshore Wind**
 - Includes projects on previously developed sites
- **Energy Storage**
 - Stand-alone or co-located with solar or onshore wind
 - Co-located must have grid charging capabilities
- **Must be located in Virginia**
 - May be outside Dominion Energy Virginia service territory if connected to PJM transmission infrastructure
- **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**
 - Includes projects on previously developed sites
 - Limited to maximum of 3 MW at the same contiguous location if proposal includes a 1MW facility
 - Will accept Mechanically Complete (MC) projects
 - Welcome rooftop and carport proposals
 - 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**
 - $\$/W_{dc}$

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Previously Developed Project Sites

- VCEA mandates acquisition of at least 200 MW by 2035
 - Seven types of previously developed sites per legislation



Ivy Landfill Solar

- 3 MW
- Albemarle County, VA
- Former landfill



King's Creek Solar

- 20 MW
- York County, VA
- Former fuel storage facility



Brownfield



Mining Site



Retail/Industrial Site



Quarrying Site



Parking Lot



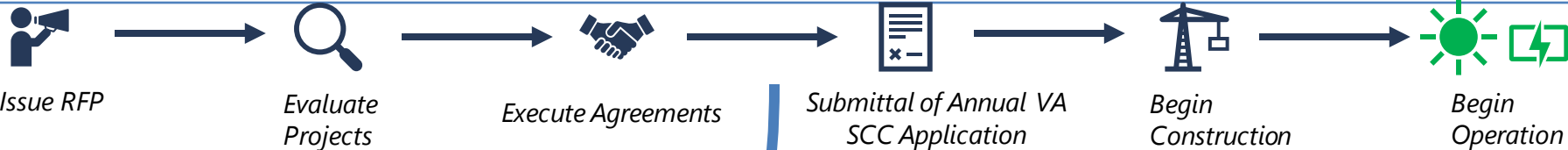
Landfill



Parking Lot Canopy

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Process – Year-Round (Open RFP)



- 1**

Bidder submits intent to bid registration and confidentiality agreement to RFP email
- 2**

Company emails supplemental documents and executed confidentiality agreement to Bidder
- 3**

Bidder makes notification to Company to submit Proposal to RFP email
- 4**

Company provides SharePoint access and Purchase Agreement to Bidder
- 5**

Bidder submits Proposal and signed Exclusivity Agreement through SharePoint to Company
- 6**

Company evaluates Proposal *(expect notification of evaluation within 60 days of submission)*
- 7**

Parties negotiate Purchase Agreement (if selected)

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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

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Energy Storage Acquisition Key Considerations



RFP Storage Target / Acquisition Types / Use Cases and Technologies

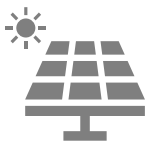
- Target Sizes: 3MW min size | single site submissions (not aggregate sum of projects)
- Acquisition Types: Solar + Storage | Onshore Wind + Storage | Standalone Energy Storage
- Technologies: 4HR Lithium-Ion AC BESS submission required, alternative technologies considered on case-by-case basis

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
 - DEV has increased the container density cap for spacing from 6MWh to 8MWh
 - 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

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Distribution Scale Solar Acquisition Key Considerations



RFP Acquisition Target

- Target Size: 50kW – 3MW

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 if proposal includes a 1MW facility
 - Contiguous location: unbroken expanse of land which may be comprised of one or many separate and/or subdivided properties
- Mechanically Complete (MC) project proposals will be accepted
- The Virginia State the Virginia State Jurisdictional Interconnection process is separate and distinct

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Q&A PANEL



Q&A – Christine Sedlar, Moderator

- **Todd Flowers** – *Director, Business Development*
- **Gary Payne** – *Manager, Business Development – Solar Acquisitions*
- **Brandon Martin** – *Manager, Business Development - Storage*
- **Austin Jones** – *Manager, Business Development - Distributed Energy Resources*
- **Amelia Boschen** – *Manager, Environmental Regulations*
- **Katie MacCormick** – *Supervisor, Environmental Regulations*
- **Aaron Jonas** – *Sr. Construction Project Manager, Interconnection*
- **Mark Walker** – *Director, Construction Projects – Solar*
- **Robert Hare** – *Manager, Construction Projects – Storage*
- **Blaine Garrett** – *Manager, Real Estate Enterprise*

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