



WALLER SOLAR PROJECT

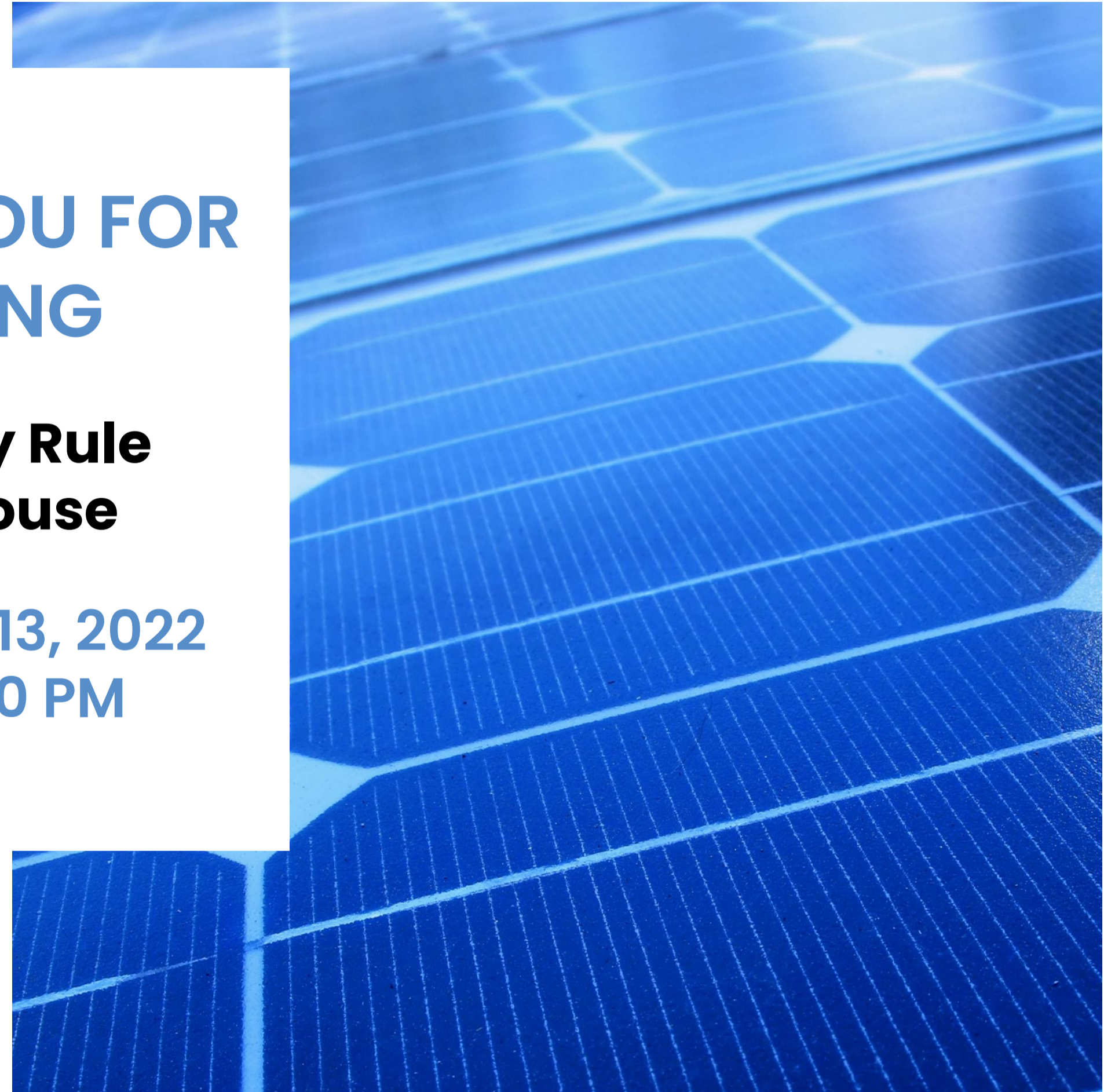
THANK YOU FOR
COMING

**Permit By Rule
Open House**

December 13, 2022
5:00 – 7:00 PM



LibertyTM



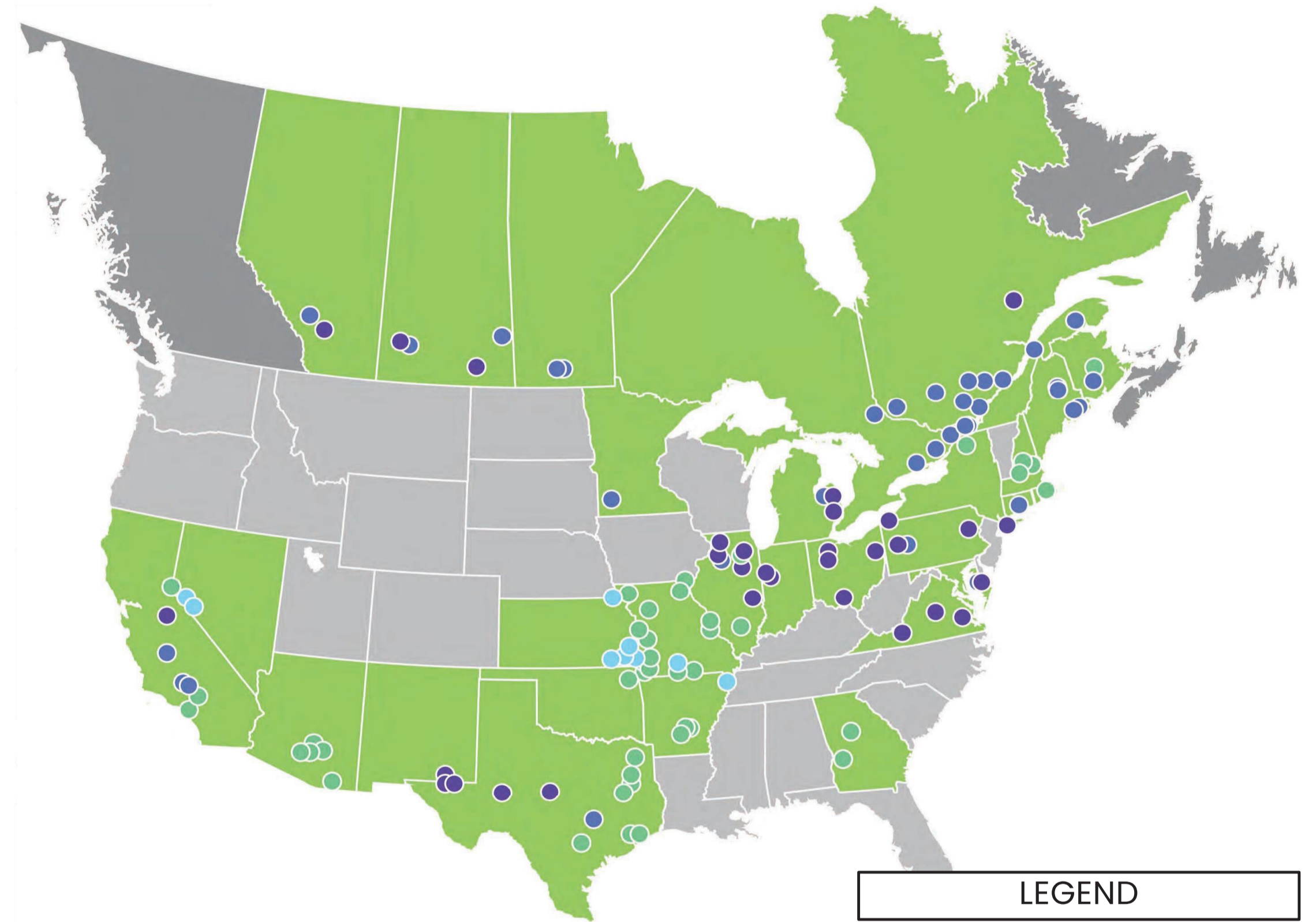
Who We Are – COMPANY HISTORY

Algonquin, parent company of Liberty, was established in 1988 and is a diversified international generation, transmission, and distribution utility with over \$16 billion of total assets.

Through its two business groups, Liberty Power and Liberty Utilities, our 3,400 employees are committed to providing safe, secure, reliable, cost-effective, and sustainable energy and water solutions to over one million customer connections, largely in the United States and Canada.

Algonquin is a global leader in renewable energy through its portfolio of long-term contracted wind, solar, and hydroelectric generating facilities.

Algonquin owns, operates, and/or has net interests in over 4 GW of installed renewable energy capacity.



LEGEND	
	Transmission and Distribution Utility
	Rate-based Generation
	Operating Facility
	Development Project



PROJECT INFORMATION

Project Location:

Lancaster County, VA

Project Size:

~1,000 Acres

Interconnection Location:

Dominion Energy's Garner-Lancaster 115 kV Transmission Line

Project Details:

- Approx. 320,000 Photovoltaic Bi-Facial Panels
- 131MWac

November 2021 – Special Exception permit approved by Lancaster County

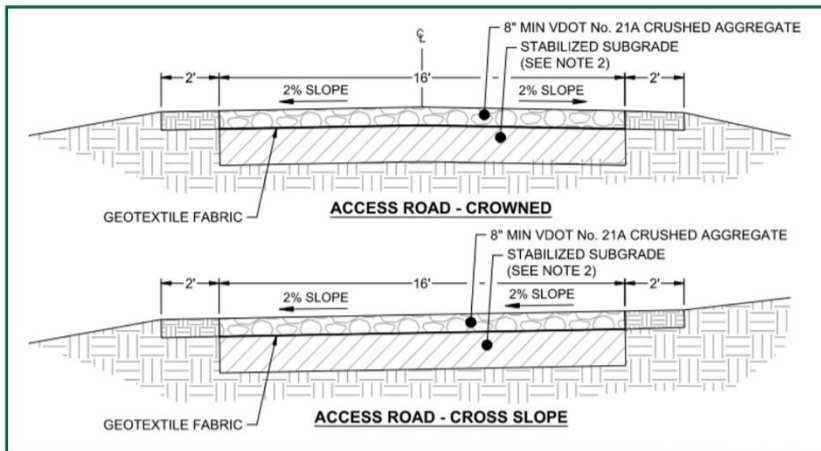
December 2022 – Site Plan submission to County; General VPDES Permit for Discharges of Stormwater from Construction Activities Registration Statement to DEQ

Early 2025 – Anticipated Commercial Operation

November 2022 – Permit By Rule Application submitted

Mid-late 2023 – Notice to Proceed and Start of Construction

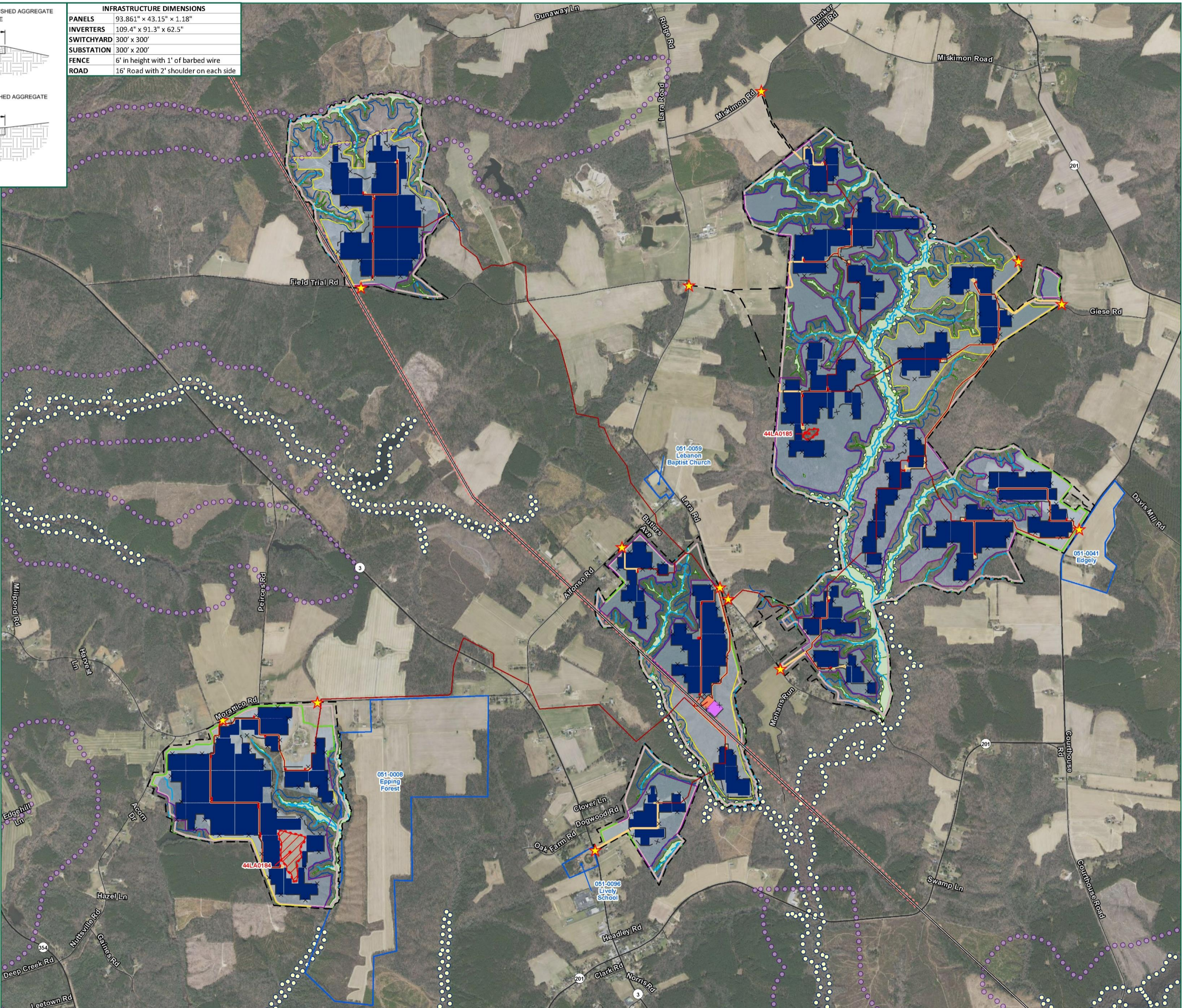
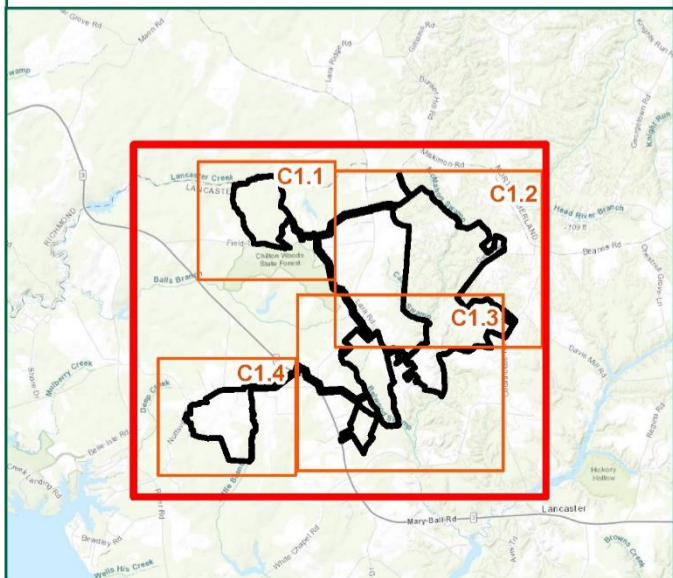
PROJECT – CONCEPTUAL SITE PLAN



INFRASTRUCTURE DIMENSIONS	
PANELS	93.861" x 43.15" x 1.18"
INVERTERS	109.4" x 91.3" x 62.5"
SWITCHYARD	300' x 300'
SUBSTATION	300' x 200'
FENCE	6' in height with 1' of barbed wire
ROAD	16' Road with 2' shoulder on each side

- NOTES:**
1. PROJECT LIMITS HAVE BEEN SURVEYED.
 2. ARCHAEOLOGICAL RESOURCE BOUNDARIES DELINEATED BY DUTTON + ASSOCIATES DURING A CULTURAL RESOURCE SURVEY.
 3. WETLANDS AND STREAMS HAVE BEEN DELINEATED BY TIMMONS GROUP AND CONFIRMED BY THE USACE UNDER CONFIRMATION NUMBER NAO-2021-00432.
 4. RESOURCE PROTECTION AREAS HAVE BEEN DETERMINED BY TIMMONS GROUP AND ARE AWAITING CONFIRMATION FROM LANCASTER COUNTY.
 5. LAYOUT IS PRELIMINARY AND IS SUBJECT TO CHANGE. PROJECT WILL BE DESIGNED AND BUILT IN ACCORDANCE WITH THE MITIGATION PLAN.
 6. CONTOURS SHOWN ARE EXISTING. THE FINAL POST-CONSTRUCTION SITE MAP WILL INCLUDE FINAL GRADING IN ACCORDANCE WITH 9VAC15-60-70A.

- Legend**
- Project Parcel Boundary
 - Entrance
 - Existing Electric Transmission Line
 - Transmission Line Easement
 - Proposed Power Collection Lines
 - Internal Roads
 - Solar Arrays
 - Substation
 - Switchyard
 - Fence
 - Resource Protection Area
 - Delineated Stream
 - Delineated Wetland
 - FEMA Flood Zone
 - 800' Lancaster County Water Overlay District
 - Archaeological Resources
 - Architectural Resources
 - 25' Archaeological Resource Buffer
 - Property Setbacks
 - Maximum Extent of Potential Project Improvements
- Perimeter Landscaping**
- Planted Buffer
 - Existing Vegetation
 - Natural Buffer



TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH OURS.
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 www.timmons.com

PROJECT NAME & LOCATION
WALLER SOLAR
 LANCASTER COUNTY,
 VIRGINIA

DATE	11/10/2022
PROJECT NUMBER	45249_014
PROJECT NAME	WALLER SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

NOTES

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REVISIONS	
NO.	DESCRIPTION

DRAWING DESCRIPTION
PRELIMINARY SITE PLAN

SCALE (FEET)
 0 1,200 2,400
 PLANS PRINTED AT THIS ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 1,200' C1.0

PROJECT BENEFITS

TAX REVENUE

- The Project will generate up to approximately \$15 million in new tax and other revenue for the County over the projected 40-year lifespan.

EMPLOYMENT

- The Project will create more than 100 employment opportunities during construction and 3-5 permanent jobs for the operation and maintenance of the facility. This includes local contracting and procurement opportunities.

LOCAL INCOME

- The Project will help stabilize and diversify income sources for farmers and other participating landowners for decades to come.

ENVIRONMENTAL BENEFITS

- Significant contribution by the County towards the state-wide clean energy goal
- Clean, renewable electricity generation that does not produce greenhouse gases or other air pollution
- Wildlife and pollinator habitat within panel and surrounding buffer areas

KEY PROJECT PERMITTING

STATE

Permit By Rule

- The project requires Permit by Rule Authorization by the Virginia Department of Environmental Quality
 - Application submitted on November 10, 2022

Stormwater

- The project requires a Virginia Department of Environmental Quality Stormwater Permit
 - Application submitted December 7, 2022

COUNTY

- Special Exception Permit
 - Granted by Lancaster County in November 2021
- Site Plan approval
 - Application was submitted to Lancaster County on December 1, 2022

OTHERS

- All other federal, state, or local permits will be obtained for the project, as necessary

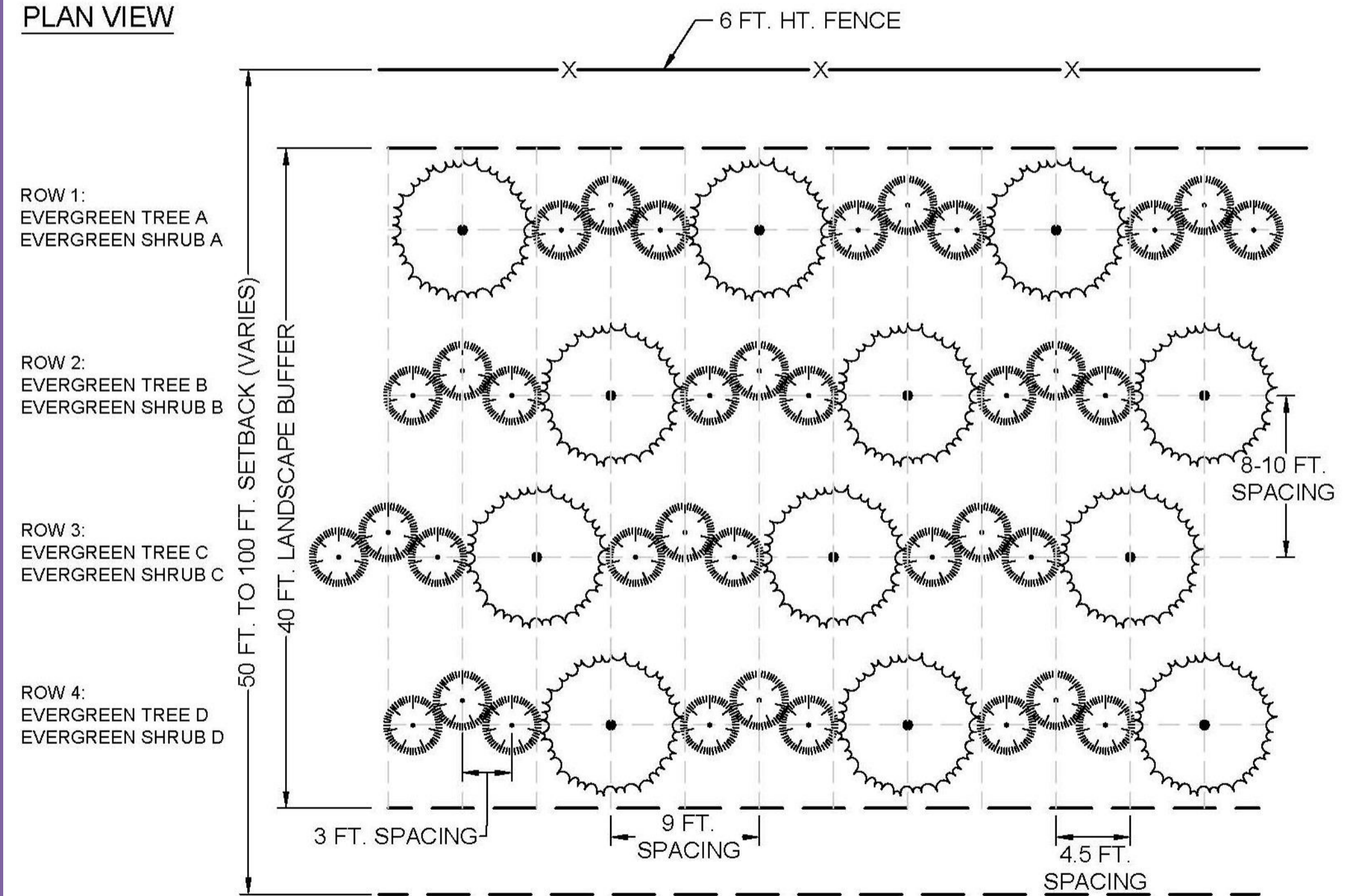
ENVIRONMENTAL CONSIDERATIONS- LANDSCAPING

OVERVIEW

- Landscaping will provide vegetative screening for the Waller Solar Project.
- The landscaping plan will be consistent with the project's Special Exception Permit, issued by Lancaster County in November 2021.
- The landscaping plan includes a 40-foot vegetative buffer, or equivalent existing vegetation, around the entire project area.
- Includes native plant species

BUFFER PLANTING TEMPLATE BASED ON LANCASTER COUNTY SOLAR ORDINANCE

PLAN VIEW



ENVIRONMENTAL CONSIDERATIONS– ESC AND STORMWATER

- The project design includes extensive erosion and sediment control (ESC) and stormwater management measures for water quality and quantity. This includes both temporary (during construction) and permanent (during operation) measures.
- All ESC and stormwater control measures are designed, will be maintained, and inspected regularly in accordance with the Virginia ESC handbook and the Virginia Stormwater Management handbook.
- To facilitate the implementation of best practices for erosion and sediment control ("ESC") during construction, an independent professional with experience in ESC management will be retained by the County.
- Site inspections and reports will be conducted and reported in accordance with State requirements.



ENVIRONMENTAL CONSIDERATIONS – OTHER

The project has been sited, designed, constructed, and will be operated, to minimize environmental effects. Some of the additional plans that have been developed include:

TRAFFIC

- A Transportation and Traffic Control Plan will be implemented to minimize conflict with local traffic patterns, including designated routes for workers and deliveries of equipment and materials on secondary roads providing ingress and egress to and from the Project. Only low traffic volumes are required during facility operation.

EMERGENCY PLAN

- Establishes responsibility, addresses specific emergency response strategies, and ensures prompt access to the Project by the appropriate personnel during an emergency event.

DECOMMISSIONING PLAN

- Provides for the safe removal and proper disposal of project components and restoration of the land at the end of the Project's useful life.

Thank you!

If you have any questions, please
contact the Waller Solar Team:

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