### WILD ROSE SOLAR PROJECT

November 2023











**How Solar Works** 



Why Solar Power



Wild Rose Solar Project



Questions

## **About Us**



Founded in 2019, the Savion team is comprised of utility-scale solar and energy storage development experts.



U.S. based company headquartered in Kansas City, MO, with projects in various phases across 33 states.



Over 190 employees providing comprehensive services at each phase of renewable energy project development.

## **Projects Portfolio**

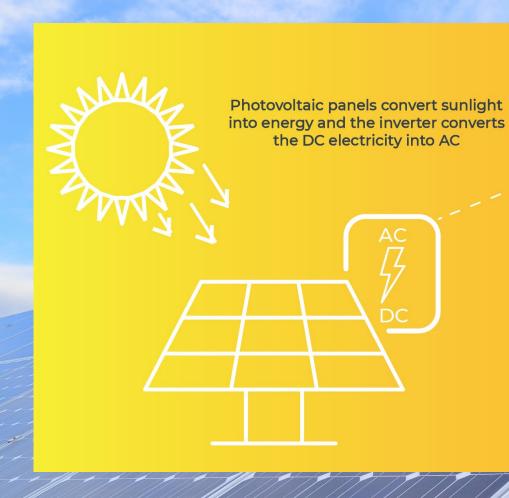
**Solar and Energy Storage in** Operation/Under **Construction/Contracted** 2,658 MW 33 Projects 13 States

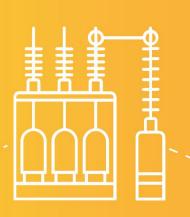
**Solar in Development** 

19,651 MW89 Projects27 States

**Energy Storage in Development** 14,544 MW **80 Projects** 27 States

# **How Solar Energy Works**





A substation increases the voltage to transmit via transmission lines

The transmission grid provides the clean energy to our homes and businesses



## Construction





# Construction



# **Operations**



# **Operations**



## Why Solar Power?



#### **Cost-Effective**

Solar power is not only cost-competitive with conventional electric generation—it hedges against fluctuating fuel and transportation cost risks.



#### Reliable

Solar photovoltaic systems demonstrate high availability levels and provide reliable power during peak electrical demand periods.



#### Sustainable

Solar photovoltaic systems produce sustainable, clean electricity, which significantly reduces atmospheric emissions.



#### **Creates Grid Diversification**

Solar power provides additional diversification to the nation's electric generation mix and increases stability and security of the electric grid.



#### **Produces Positive Economic Impacts**

Solar power electric generation contributes to the economic revitalization of local communities through increases to the local tax base, creating an influx of new funding to local schools, and dollars for the local community during the construction process.

# **Typical Development Process**

• Projects take 4-7 years from inception to construction

#### Early-Stage

- Sign agreements with landowners
- Desktop Environmental Studies
- File interconnection application

#### Mid-Stage

- Permitting State and/or Local as required
- Transmission System Impact Study
- Field Environmental Studies –Threatened & Endangered Species, Wetlands

#### Late-Stage

- Signed Utility Sale Agreement (PPA or purchase)
- Design and Engineering
- Procurement
- Transmission Facility Study and Interconnection Agreement
- Construction



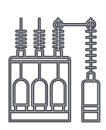
## Wild Rose Solar Project

#### Solar



- Proposed 90 MW Solar Project
- Equivalent to powering ~14,000 VA Homes

#### Interconnection

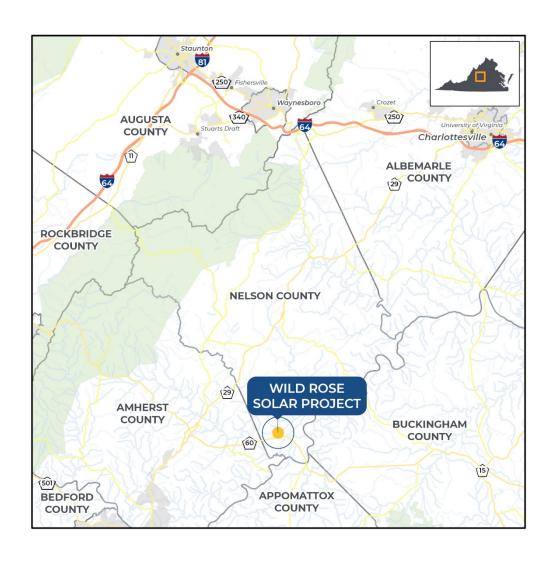


POI: AEP Gladstone Substation

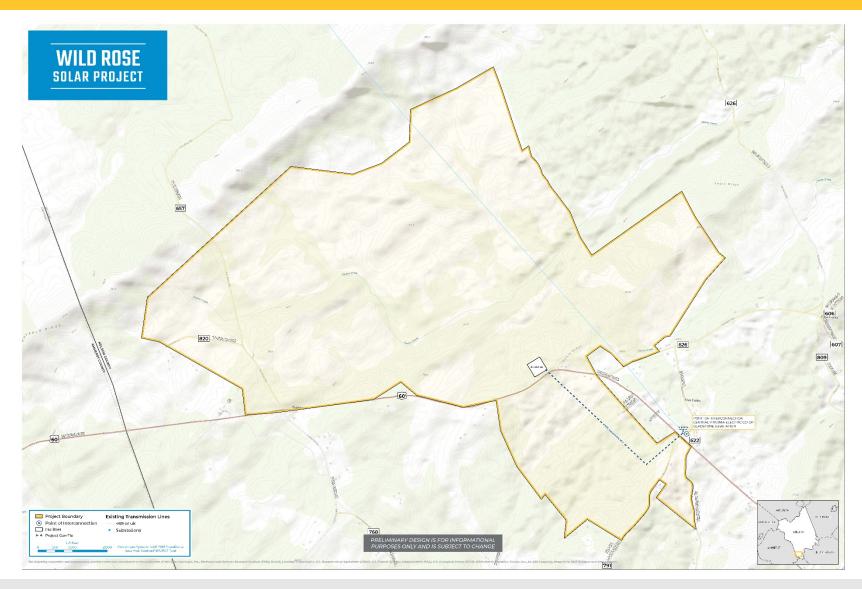
#### Site Control and Permitting



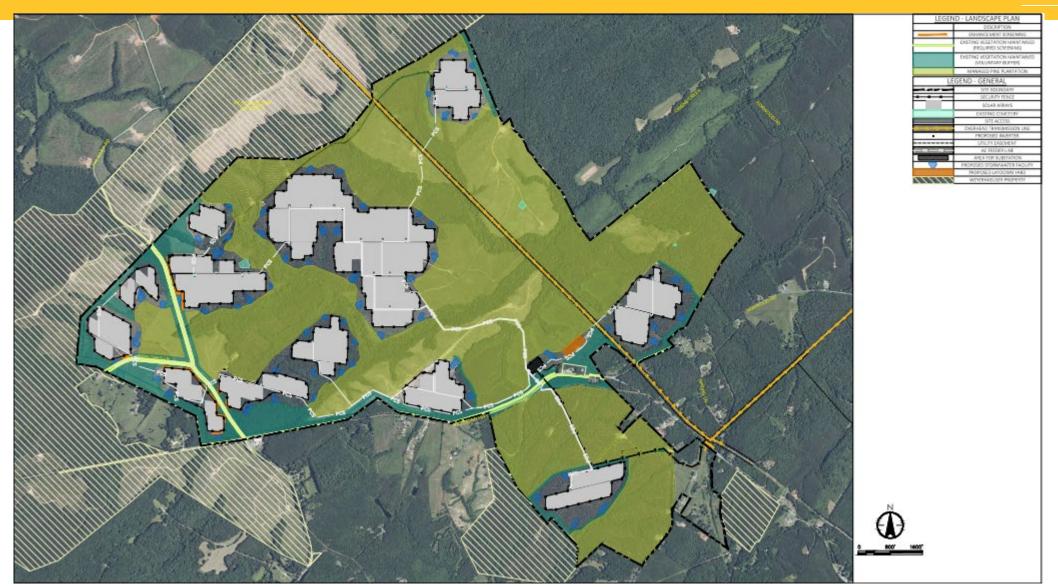
- Project Site 100% secured
- Large timber tract in rural area
- No significant environmental issues



# **Project Boundary**



#### WILD ROSE SOLAR PROJECT



## **Local Economic Impact**

#### **High Local Economic Impact – Property Tax for a 90 MW project**

- Increased revenue to Nelson County
- Estimated \$8.04 MM in tax revenue to Nelson County over the expected 40-year project life
  - Approximately \$140,000/ year

#### No cost impact to local school districts, public infrastructure, or emergency services.

- No Stress on local infrastructure or sewer (no heavy haul or general traffic increase caused by ongoing Project operation)
- Minimal water use
- Project will be a "silent revenue generator" for Nelson County (no noise or emissions)

#### **Construction benefits**

- ~250 direct and indirect construction jobs through construction; local labor used as available
- Local companies such as landscapers, printers used directly for project needs
- Approximately 1 year of increased revenues to local business such as equipment rentals, hotels, restaurants, gas stations etc.
- 2-5 permanent O&M jobs plus indirect services

Site Control Secured	Field Studies	Special Use Permit Submittal	State Permit Submittal	State Permit Issuance	Construction Start	Commercial Operation Date
Aug 2022	July 2023-Present	January 2024	June 2024	June 2025	April 2026	March 2027

## **PROJECT STUDIES AND PERMITS**

#### **Studies & Reports**

- Phase I Environmental Assessment
- Threatened & Endangered Species Review
- Traffic Study
- Decommissioning Plan
- Glint/Glare Analysis
- Landscape Screening Plan
- Biological Habitat Assessment
- Wetland Delineation
- Cultural Resource Studies
- Geotechnical Review & Hydrology Study

#### **Permits**

- Special Use Permit (Nelson County)
- 15.2-2232 Substantially in Accord Determination (Nelson County)
- Permit By Rule (VA DEQ)
- Jurisdictional Determination (US Army Corps of Engineers)
- Stormwater Pollution Prevention Plan (VA DEQ)



## **PERMIT BY RULE**

#### **VA Department Of Environmental Quality**

• DEQ enables the construction and operation of renewable energy projects of 150 megawatts and less. DEQ's regulations take the form of permits by rule (PBR). Facilities can obtain authorization from DEQ by agreeing to comply with all the construction and operating requirements of the specific PBR.

#### Analysis of beneficial and adverse impacts on natural resources

- Analysis to Wildlife (Wildlife report and map from Virginia Fish and Wildlife)
- Analysis of Historical resources (compilation of known historic resources, Architectural Survey & Archaeological Survey)
- Analysis of other Natural Resources

#### **Public Input**

- Notice in local newspaper
- 30-day comment period
- Public meeting (held after 30-day comment period)

## **Contact**



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# **QUESTIONS?**

