

# Public Information Meeting

**Brianna Baca - Savion**  
**Director of Development**  
**And Jason Humphrey – Evergy**  
**Vice President Development & Assistant Treasurer**



# Agenda



Company Overview



Utility-Scale Solar



Kansas Sky  
Energy Center



Discussion



# About Savion

**Savion, a Shell Group portfolio company operating on a stand-alone basis, is an industry-leading solar and energy storage organization built on a foundation of specialized experience and mastery in the craft of development.**

**With a growing portfolio of more than 36.5 GW, Savion is currently one of the country's largest and most technologically advanced utility-scale solar and energy storage project development companies.**

**Savion's diverse team provides comprehensive services at each phase of renewable energy project development, from conception through construction. Savion is committed to helping decarbonize the energy grid by replacing electric power generation with renewable sources and delivering cost-competitive electricity to the marketplace.**





# 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 MW**  
**89 Projects**  
**27 States**

Energy Storage in Development

**14,544 MW**  
**80 Projects**  
**27 States**

# Team's Development Success— 2,658 MW

Project	Division	State	Size MW	Year Online/Scheduled*
Confidential Project	Solar	OK	100 MW	2025
Confidential Project	Solar	KY	100 MW	2025
Confidential Project	Solar	OH	100 MW	2024
Calhoun County Solar Project	Solar	MI	125 MW	2024
Mark Center Solar Project	Solar	OH	50 MW	2023
Defiance County Solar Project	Solar	OH	60 MW	2023
Wythe County Solar Project	Solar	VA	75 MW	2023
Madison Fields Solar Project	Solar	OH	180 MW	2023
Atlanta Farms Solar Project	Solar	OH	200 MW	2023
Confidential Project	Solar	CO	100 MW	TBD
Confidential Project	Energy Storage	CO	50 MW	TBD
Brazoria West Solar Project	Solar	TX	200 MW	2022
Brazoria County Solar Project	Solar	TX	200 MW	2022
Wood County Solar Project	Solar	WI	150 MW	2022
Bear Creek Solar Project (Richland County Solar Project)	Solar	WI	50 MW	2022
Muskegon County Solar Project*	Solar	MI	125 MW	TBD
Rayos Del Sol Solar Project	Solar	TX	150 MW	2022
Sunflower County Solar Project*	Solar	MS	100 MW	2022
Westmoreland County Solar Project	Solar	VA	20 MW	2021
Twin Rivers Solar Project*	Solar	FL	75 MW	2020
Greensville County Solar Project	Solar	VA	80 MW	2020
Hamilton County Solar Project*	Solar	FL	75 MW	2019
TWE Bowman Solar Project*	Solar	SC	75 MW	2019
Palmetto Plains Solar Project*	Solar	SC	75 MW	2019
TWE Myrtle Solar Project	Solar	VA	15 MW	2019
TWE Ahoskie Solar Project*	Solar	NC	5 MW	2016
Decatur Parkway Solar Project*	Solar	GA	80 MW	2015
Decatur County Solar Project*	Solar	GA	20 MW	2015
TWE Laurinburg Solar Project*	Solar	NC	5 MW	2015
TWE Kinston Solar Project*	Solar	NC	5 MW	2015
TWE Kelford Solar Project*	Solar	NC	5 MW	2015
TWE New Bern Solar Project*	Solar	NC	4 MW	2015
TWE Chocowinity Solar Project*	Solar	NC	4 MW	2015

\*Sold and operating projects developed by the Savion team while part of Tradewind Energy



# Expertise and Strategic Partnerships



## Our Team of Experts

- Utility-scale solar power project development
- Utility-scale energy storage project development
- Project Design, Contracts & Construction
- Transmission interconnection and delivery
- Meteorology
- Environmental Studies
- Land acquisition (real estate/title/mineral work)
- Permitting
- Regulatory
- Financial Analysis
- Origination and energy marketing
- Geographic Information Systems (GIS) and resource mapping systems
- Project acquisition and due diligence
- Energy storage integration

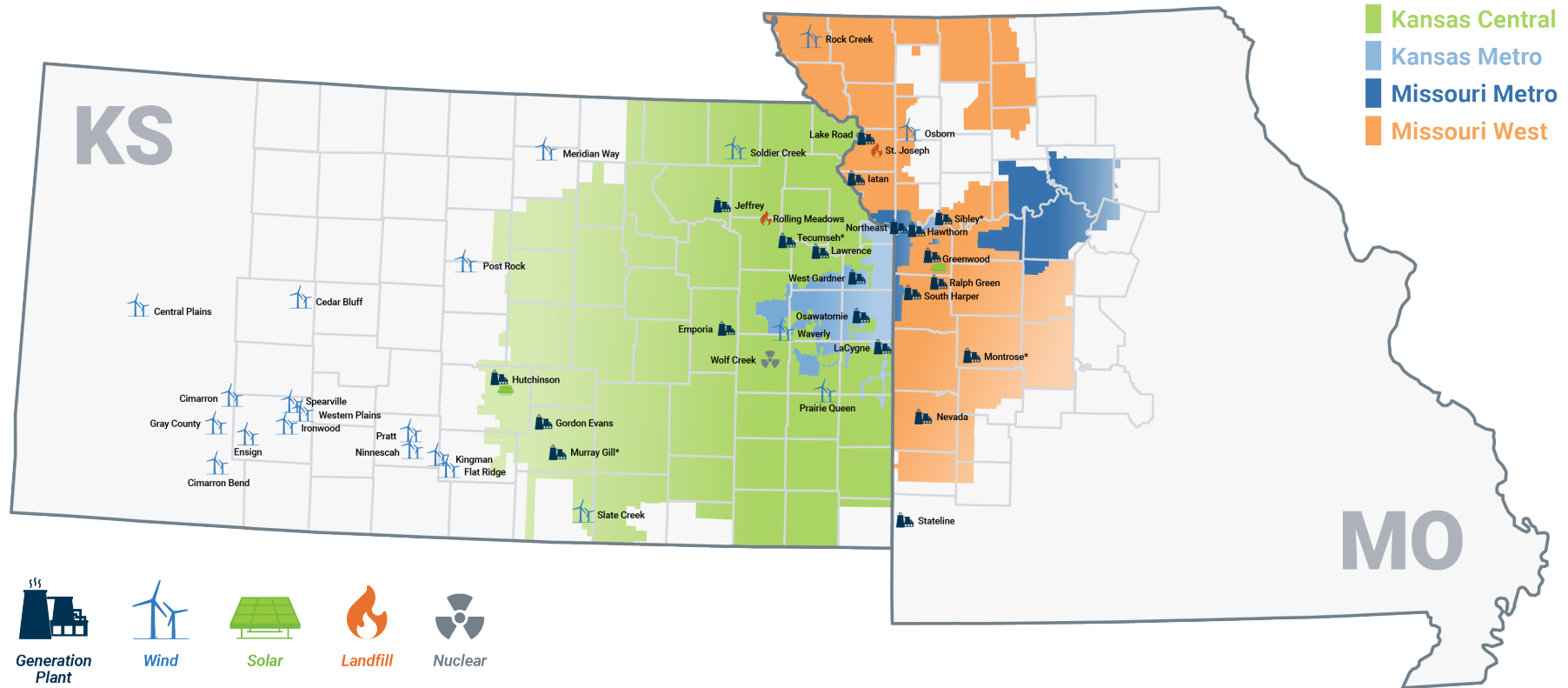


## Our Partners and Customers





- Commercial and industrials
- Investor-owned utilities
- Cooperatives
- Municipalities
- State and federal utilities
- Landowners
- Project host communities
- County leadership



# Combined Service Territory



 **Generation Plant**
 **Wind**
 **Solar**
 **Landfill**
 **Nuclear**

Not Pictured:  
 Spring Creek (OK)
  Kay Wind (OK)
  Ponderosa (OK)
  Crossroads (MS)

\*retired plant



## Evergy Customer Profile

~1,422,000

RESIDENTIAL CUSTOMERS



~192,000

COMMERCIAL CUSTOMERS



~7,000

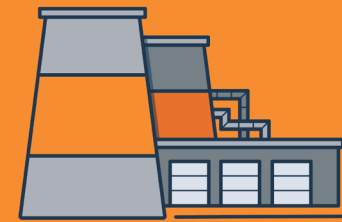
INDUSTRIAL CUSTOMERS



**1.6 MILLION**  
electric customers



**~4,400 MW**  
of renewables<sup>3</sup>



**16,680 MW** total  
available generation capacity

# Utility Scale Solar

Photo credit: Savion. Myrtle Solar Project. Suffolk County, VA. Developed by Savion. Owned and operated by Dominion Energy.





# Utility Scale Solar



*Bear Creek Solar Project - Richland County, WI 50 MW Owned and operated by Alliant Energy, Developed by Sevin*



# Solar + Energy Storage Project Benefits

- **Economic Development**
  - New tax revenue for host townships, school districts and counties with little to no additional services required
  - New local spending on goods, services and wages
  - Economic diversification
  - Competitively priced electricity
- **Environmental**
  - Renewable
  - Clean
  - No cooling water required
- **Energy Security**
  - Electricity generation diversification and distribution
  - Dispatchable renewable energy from battery energy storage system



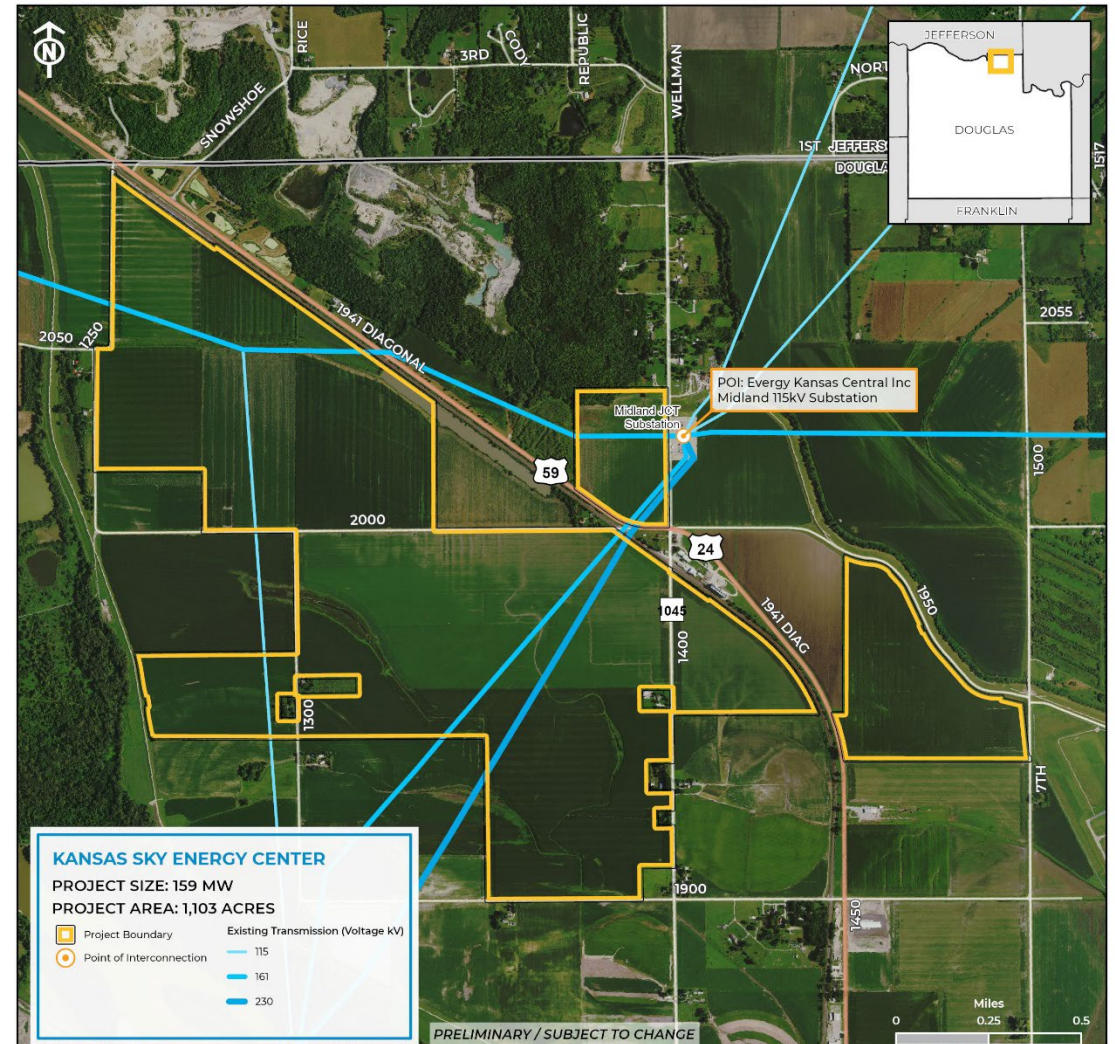


# Project Details



# Project Information

- Electricity Generation Capacity: 159 MW
- Energy Storage Capacity: 80 MW
- Earliest Possible Construction Start: 2024
- Earliest Possible Commercial Operation Date: 2025
- Operating Life: 35 years , CUP: 25 years





# Frequently Asked Questions

- Why was this area selected for a solar project?
- Is there sound associated with the solar project?
- What will this look like from the street?
- What public safety issues arise from areas where solar arrays are installed?
- Will a solar farm create stormwater runoff and water drainage issues?
- Do solar power facilities take prime farmland out of agricultural commission permanently?
- What are the next steps?

# Frequently Asked Questions

- Why was this area selected for a solar project?
  - Proximity to transmission grid
  - Anticipated capacity on the transmission grid
  - Large contiguous land parcels
  - Relatively flat topography with minimal grading required
  - Limited impact to Environmentally Sensitive Lands
  - Willing landowners
  - Low residential density
  - Outside of FEMA Floodway and Floodway Fringe

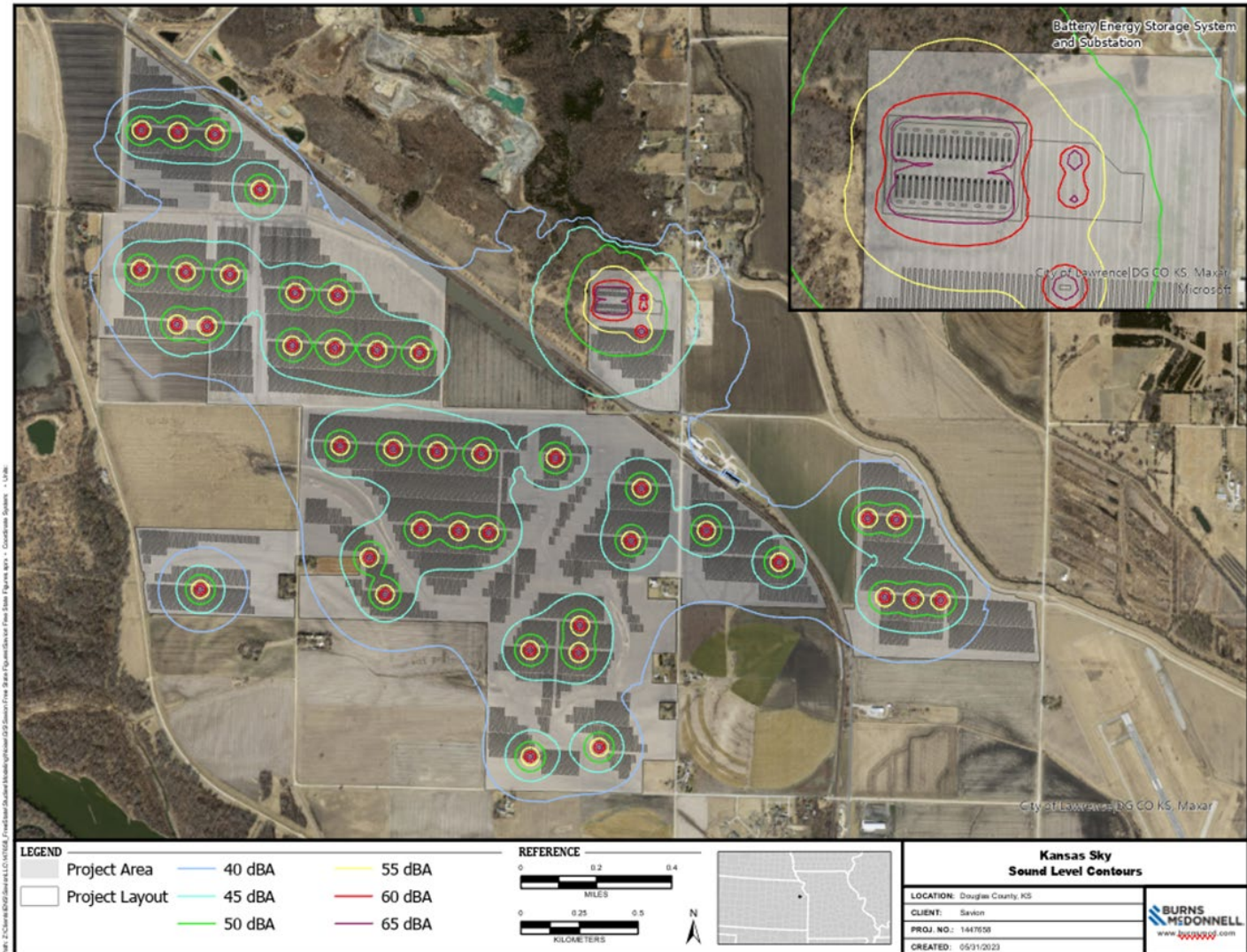


# Frequently Asked Questions

- Is there sound associated with the solar project?
  - Solar projects are generally quiet.
  - Noise associated with the solar inverters, battery storage system, and substation transformers can produce an ambient hum which is commonly masked by background sources outside the project area.
  - The Douglas County Code of Ordinances limits noise from Commercial/Utility Scale Solar Energy Conversion System to 60 dBA at the property line or 500 feet from an existing residence.
  - Project sound levels are predicted to meet the County limit along the property line. See sound level contours on following slide.

# Frequently Asked Questions

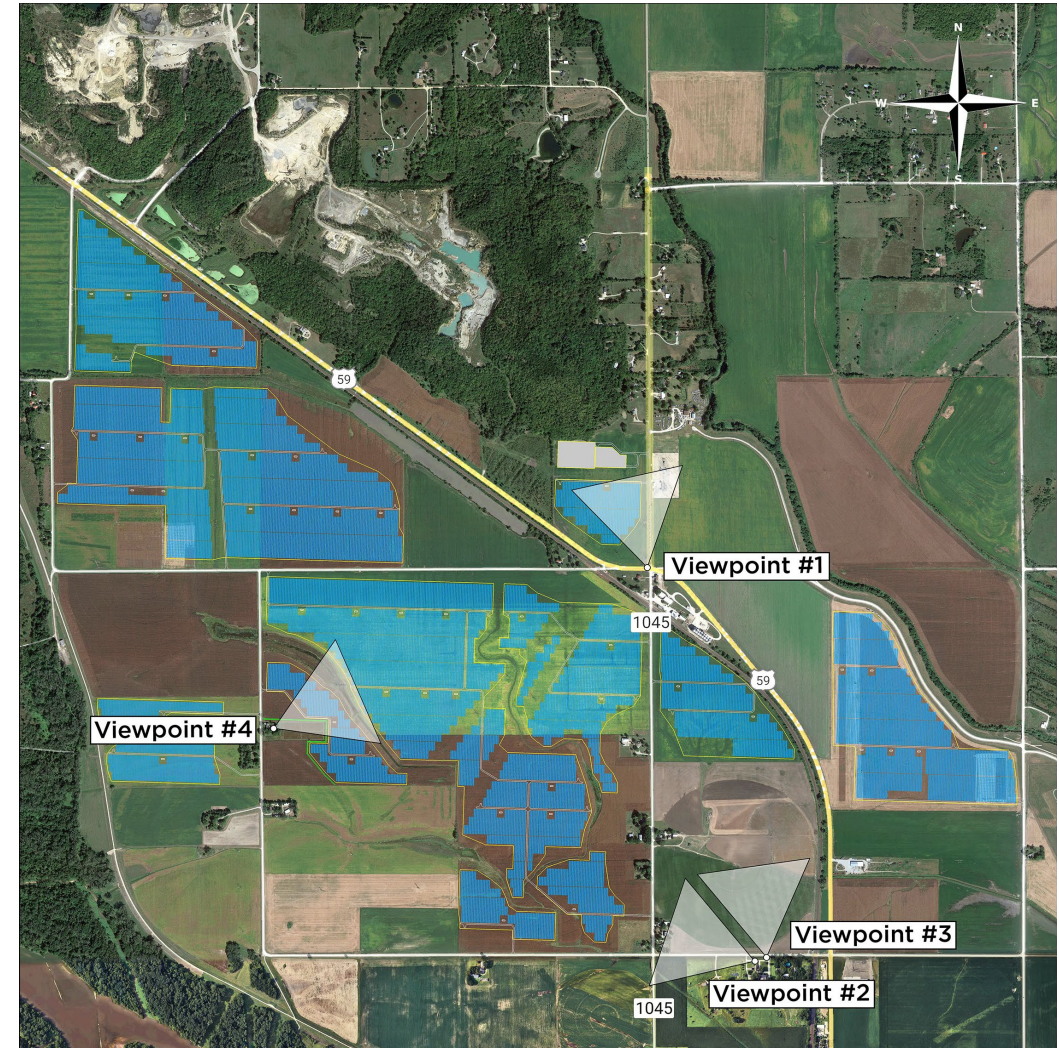
- Sound Level Contours
  - BESS and Substation detail shown in top right corner
  - Loudest sound level impacts predicted to be below the 60-dBA limit





# Frequently Asked Questions

- What will the visual impacts look like driving by the Project?
  - Created 2 visual simulations for today
  - Working to create a visual simulation for every neighbor





# Frequently Asked Questions



EXISTING



PROPOSED



# Frequently Asked Questions



**EXISTING**



**PROPOSED**

# Frequently Asked Questions

- What public safety issues arise from areas where solar arrays are installed?
  - The Project is enclosed by fencing. This prevents children and the general public from coming into contact with the installations, thus preventing unsafe conditions.
  - The National Electric Code has mandatory requirements for the electrical safety.
    - Requires conductors be installed so they are not readily accessible.
    - Warning signs and sometimes alarm systems are installed to deter unauthorized individuals from entering the area
  - Only a small portion of materials in the panels are flammable: thin layers of polymer encapsulates surrounding the PV cells, polymer back sheets (framed solar panels), plastic junction boxes, and insulation on wiring
  - They cannot self-support a significant fire. The rest of the panel is composed of non-flammable components, including the layers of protective glass that make up three quarters of the panel's weight.



# Frequently Asked Questions

- Will a solar farm create stormwater runoff and water drainage issues?
  - Drainage studies and calculations were conducted by third-party experts.
  - The Project area's post-construction condition will actually create LESS stormwater runoff than current pre-construction condition of cultivated ag land.
  - Native plant species tend to have deeper and more complex root systems, which allows for improved water absorption and retention than in soil at agricultural land. As a result, erosion and stormwater runoff will be reduced.

# Frequently Asked Questions

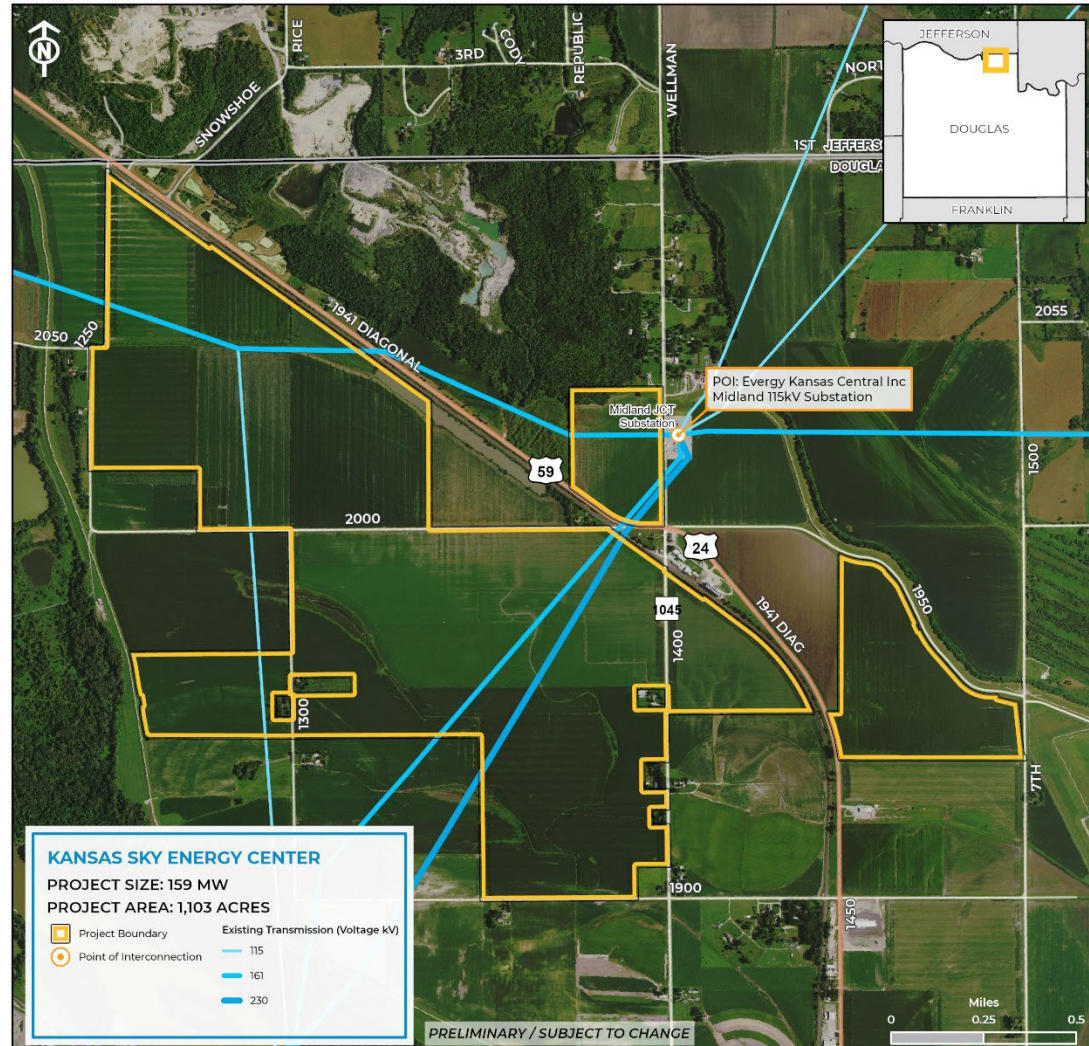
- Do solar power facilities take prime farmland out of agricultural commission permanently?
  - The use of ag land for a solar energy facility is only temporary, and the land can be restored to its original condition after the solar farm is decommissioned. Compared to other forms of development where farmland is paved over (for shopping centers, amusement parks, manufacturing facilities, suburban housing tracts, highways), a decommissionable solar farm is a far more favorable option.
  - The total amount of agricultural land being used for solar energy is minuscule compared to the conversion of agricultural land permanently to residential housing and commercial development.
  - Farmland has gotten more productive over the years with better farming equipment and techniques resulting in higher yields on the same amount of land. This is also due to improvements in seed varieties, fertilizers, pesticides, machinery, reduced tillage, irrigation, crop rotations, and pest management systems.



# Frequently Asked Questions

- What are the next steps?
  - Project office – appointment required
  - Continue outreach and conversations with neighbors
  - Apply for Conditional Use Permit with Douglas County

# Questions?





# Contact

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**KANSAS SKY**  
ENERGY CENTER

**QUESTIONS?**

**THANK YOU**





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