



## Why Solar? Why Now? Why Here?

- Price of photovoltaic technology has declined significantly
- Large, utility-scale solar projects are cheaper than smaller projects on \$/kW and \$/kWh basis due to economies of scale
- Matches the size of the Johnson Corner Solar Project, Kansas' largest solar facility, also developed by Sunflower Electric Power Corporation
- Qualifies for federal tax incentives
- Will reduce or eliminate costly transmission upgrades due to its interconnection location on the bulk electric grid
- Value derived from energy, capacity, and transmission savings provides a positive impact on keeping rates low to our Members
- Affordable solution for electric co-op members who want solar energy without the hassle of owning and maintaining residential panels
- Attractive feature to potential new commercial and industrial customers who take power from Sunflower's member-owner distribution utilities
- Provides an on-peak, fixed-price hedge against the market price of energy
- Provides diversity to our generation resource portfolio

## Project Summary

- 20 MW nameplate capacity (AC) *(2% of Sunflower system peak)*
- Year 1 capacity factor of 30%
- Year 1 expected energy is 53,000 MWh *(1% of Sunflower system energy)*
- Located on 240 acres 3 miles east of Russell, KS
- Commercial operation expected in late 2023
- Approximately 75,000 solar panels on single-axis tracking
- Expected to average 180 workers on site during 5-month construction period
- Sunflower is developing the solar project in Russell County in conjunction with the National Renewables Cooperative Organization (NRCO). NRCO increases access and provides opportunities for cooperatives across the country to contract and develop cost-effective renewable energy resources.



## Project Timeline

2022

Engineering & Procurement

Construction

2023

COD

