

David Zelasko – Kokosing Solar

- Commercial Solar Consultant
- >>> 10 Years in the Solar Industry
- >>> Solar Design
- >>> Financial Modeling



ABOUT KOKOSING

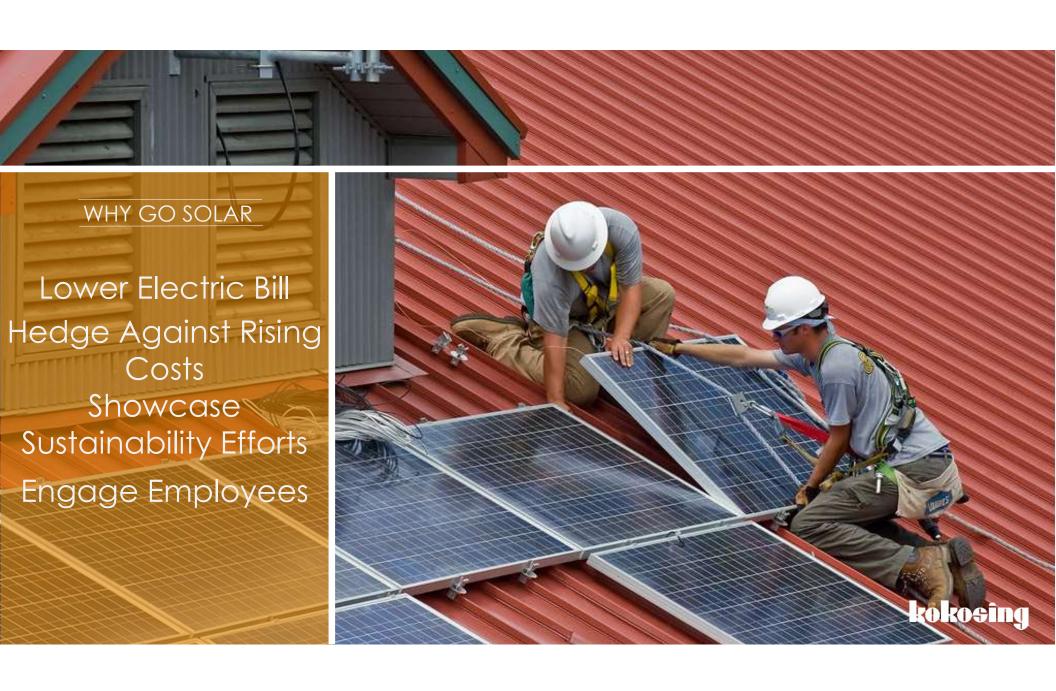
- >>> Family Owned, founded in 1951
- 70+ Years in Construction, 20+ Years in Solar
- >>> HQ in Central Ohio
- Working Throughout the Midwest and Mid-Atlantic U.S.
- Renewables, Industrial Manufacturing, Heavy Civil, Water/Wastewater, Transportation, Marine
- Premier Projects: LG Honda Jeffersonville,

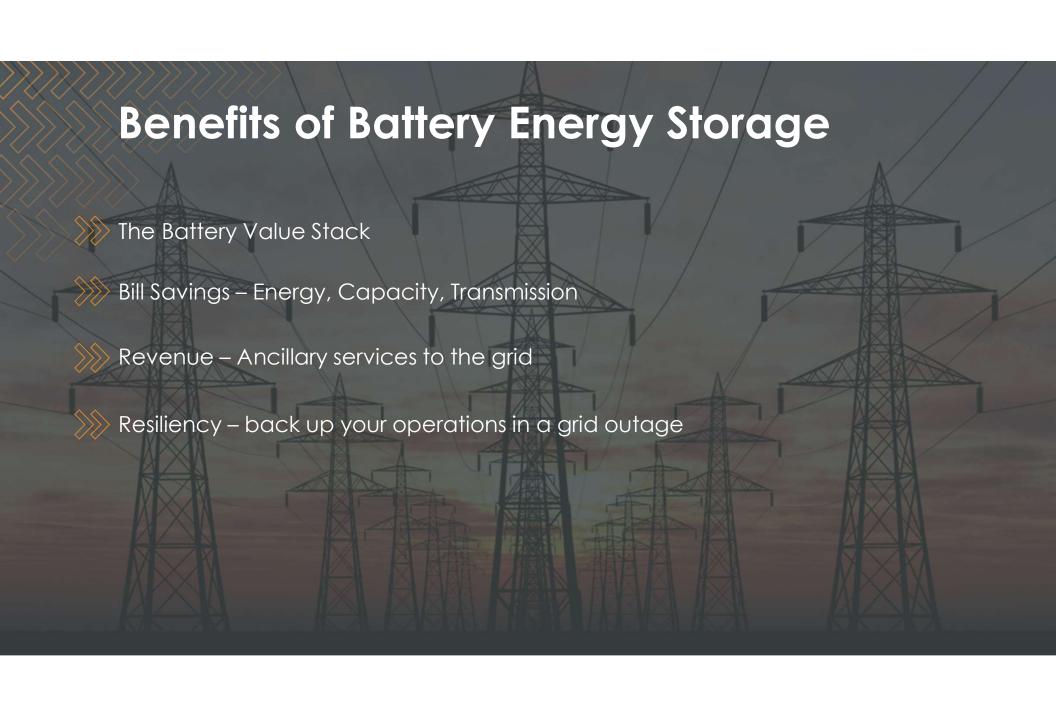
 Ascend Elements, USACE Soo Lock, Brent
 Spence Bridge



60th









PARTNER CONSIDERATIONS

- Specialized Contractor vs. General Trades
- Contracting Strategy (Turnkey EPC vs. other)
- >>>> Industry Credentials
- Solar Engineering Expertise
- >>>> Past Work Experience
- Reputation & Longevity
- Execution Strategy (self-perform vs. subcontract)
- Compliance with IRA Requirements
- >>>> Operations & Maintenance





STRONGER TOGETHER.











2022 Inflation Reduction Act



- Project Under 1MW AC
- 30% for 2023 2033 Long term planning and certainty
 Adders for Projects that meet Labor Requirements
 - 10% Bonus for Domestic Content
 - 10% Bonus for Siting in Energy Community
 - **Additional 30% (10% & 20%) for Low income communities and low income residential housing
 - This program is capped and has a competitive application process
- >1MW AC (Beginning after 60 days treasury guidance)
- 6% Base ITC
- 2% Bonus for Domestic Content
- 2% for Siting in Energy Community

Adders for Projects that meet Labor Requirements

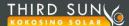
- 24% Base ITC
- 8% Bonus for Domestic Content
- 8% Bonus for Siting in Energy Community
- **Additional 30% (10% & 20%) for Low income communities and low income residential housing



What this means for tax exempt entities

- Direct Pay Incentive
 - 990-T
- PPAs more than just Section 48 ITC
- Local Gov't Caution regarding use of tax exempt bond financing
- New programs targeting LMI populations







PROJECT TIMELINE

- >>> Typical Critical Path
 - >>>> System Design
 - Permitting & Interconnection Approval
 - Long Lead Equipment and Materials
 - >>> AC Electrical Construction
 - Startup & Commissioning, Utility PTO

>>> Other Factors

>>> Internal Gating

>>>> Financing

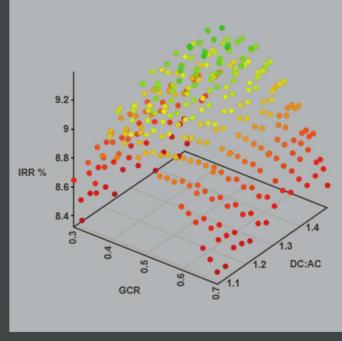
PARTNER SELECTION DESIGN PERMITTING PROCUREMENT CONSTRUCTION COMMISSIONING 0&A



DESIGN CONSIDERATIONS

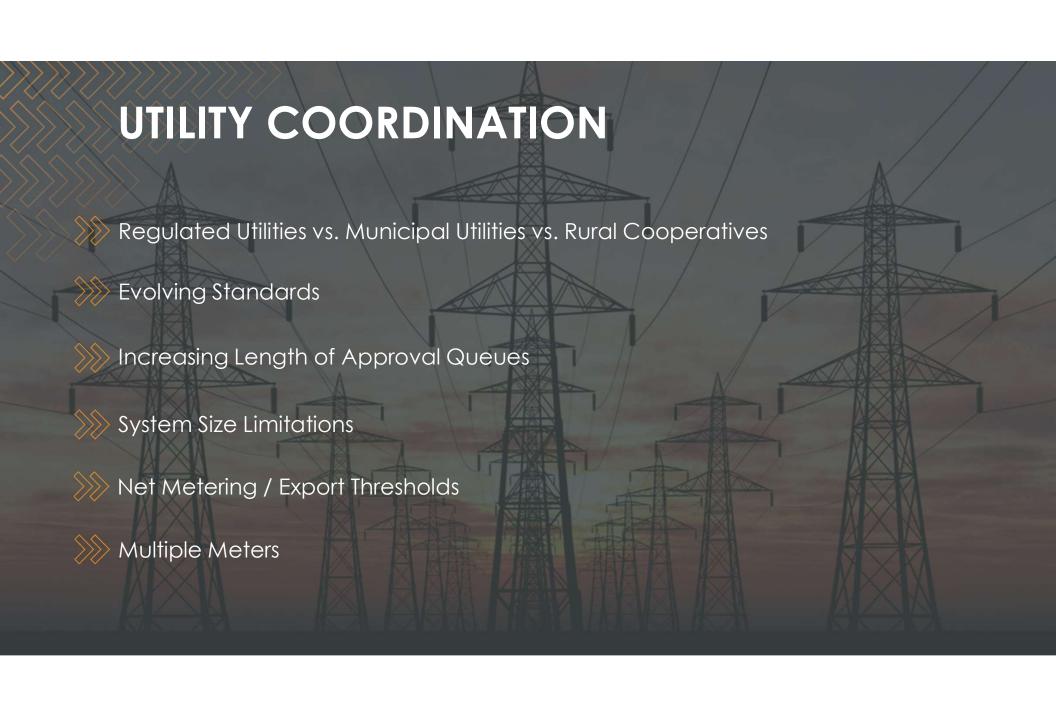
- What are the conditions of satisfaction?
 - >>>> Best ROI
 - >>>> Maximum Energy Production
 - >>> Maximum Demand Reduction

Optimization!



- >>> Energy Load Profile
- >>>> Roof Condition, Structural Adequacy, Warranty Preservation
- >>> Available Ground Space
- Interconnection Location & Means
- Equipment Selection / Supplier Due Diligence
- >>>> Supply Chain Constraints

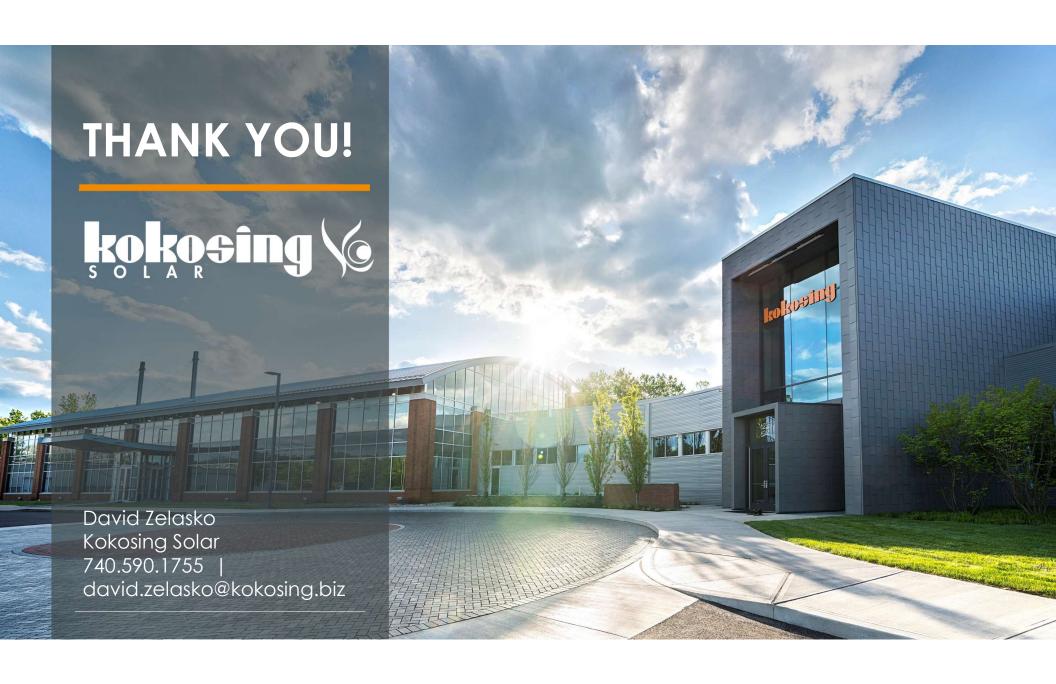








- Preventative Maintenance & Equipment Warranty Preservation
- Levels of O&M Service
- O&M Provider vs. In-House Team
- Corrective Maintenance Common Failure Modes
- DAS / System Monitoring



Biographical Information

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David Zelasko has over 10 years in the solar industry. He started in solar in 2014 as an installer for residential and small commercial projects in Ohio and West Virginia. David joined Kokosing Solar in 2015 as a Solar Consultant, and since his start has helped over 250 homeowners, non-profits, and businesses go solar. David specializes in optimizing solar designs based on customer goals and educates customers on Solar's impact on their electricity bills.