

a nationalgrid company





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- ✓ Introduction to Geronimo Energy
- ✓ Introduction to Solar Energy
- ✓ Springfield Solar Project Overview



# **INTRODUCTION TO GERONIMO ENERGY**

OUR FARMER-FRIENDLY APPROACH



#### **Expertise as Top U.S. Renewable Energy Company**

- Geronimo is a leading North American independent developer and operator of utility-scale renewable energy projects
- We have successfully developed over 2,400 megawatts (MW) of wind and solar projects (currently in operation or under construction)
- Our experienced team of ~100 professionals are experts in development, construction, and operations
- The 7,000+ MW Geronimo Energy pipeline stretches across the United States, including ~3,000 MW in advanced development phases



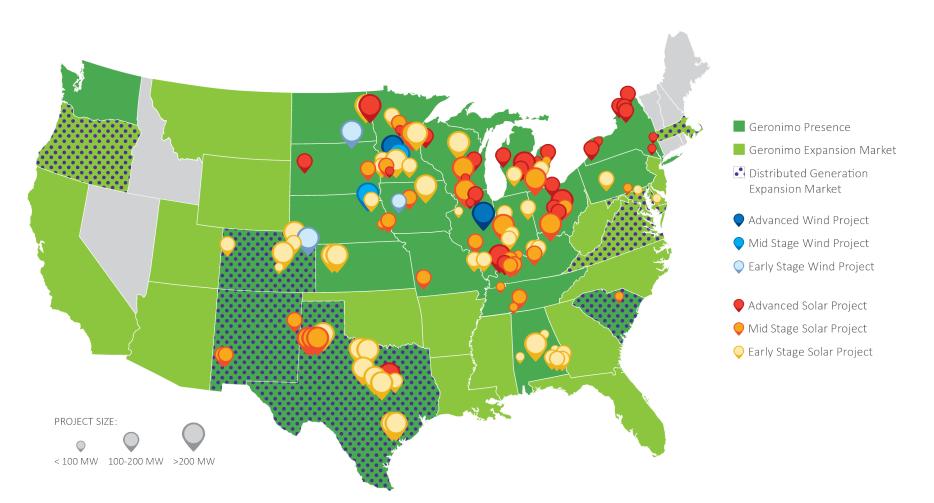
# Farmer-Friendly, Community-Driven





### **Development Portfolio Map**





### Who is National Grid?

- British based multinational electricity and gas utility company
  - Owns electricity transmission network in England and Wales, operates in Great Britain
  - Supplies 20+ million people in the NE US with electricity and gas
- Geronimo Energy is a subsidiary of National Grid's unregulated arm, National Grid Ventures, and is the company's renewable energy platform

### What is the value-add to customers?

- Long-term Ownership Partner
  - We develop, construct, own and operate our projects.
- Financial Strength
  - National Grid is one of the largest and strongest energy companies in the world with a fortified balance sheet.
- Competitive Renewables
  - Scale and access to capital create efficiencies that result in lowcost renewable pricing.









# SOLAR ENERGY PROJECTS

#### HOW THEY WORK AND WHAT THEY LOOK LIKE

Proprietary & Confidential

www.geronimoenergy.com

### **Typical Components**

- •Inverters
- •Modules/panels
- Racking
- •Gravel access roads
- Electrical components (e.g. cables, transformers, switchgears, control systems) and point of interconnection
  Security fencing and screening
  Stormwater retention areas
- •Operation and maintenance shed









Delphinus Community Solar



WasecaSun Community Solar

GERO

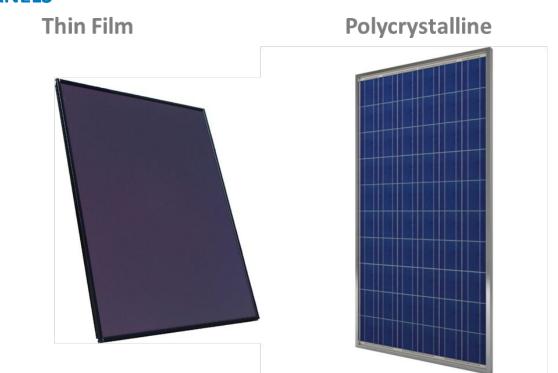
**ENERGY** a national**grid** company



#### **INVERTERS**







**MODULES / PANELS** 

Proprietary & Confidential



### **RACKING INSTALLATION**



Deneb Community Solar



Chisago Community Solar



### RACKING



FIXED TILT



TRACKING



#### **PANEL INSTALLATION**



St. Cloud Community Solar



Sunrise Community Solar



### **ELECTRICAL COMPONENTS / POINTS OF INTERCONNETION**



**Kramer Community Solar** 



Gemini Community Solar

### Construction

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#### **RESTORATION AND RE-VEGETATION**



Koppelman Community Solar



St. John's Solar



#### **VEGETATION MANAGEMENT**

- Soil is prepared and seeded in the first year of operation
- Site inspections take place up to three times per year to assess growth and perform care if needed, including spot treatment for weeds
- Sites are generally mowed several times per year or grazed







### DECOMMISSIONING

- Components are removed and reused or recycled at the end of the project's useful life
- The site can be restored to its previous use or another use based on landowner wishes
- Soil quality generally has improved on sites previously used for agriculture as soils have rested/lain fallow during the project's life







#### WHAT DOES IT LOOK LIKE FROM THE ROAD?



**Before--Blue Sone Solar** 



#### WHAT DOES IT LOOK LIKE FROM THE ROAD?



#### After--Blue Sone Solar









### Solar Projects Are Good Neighbors

### SOLAR PROJECTS ARE GOOD NEIGHBORS

- No harmful pollutants or negative health impacts, no air or water emissions
- No odor and minimal sound produced
- Provide wildlife habitat
- Improve water quality as compared to previous agricultural use; Let soils rest and lie fallow during project life
- Reduces impacts from power generation as compared to more traditional power plants
- Does not require extension of services
- Perennial meadow plantings increase soil stability, improve infiltration, and help promote biodiversity
- Low profile







# Springfield Solar Farm, LLC

**Project Specifics** 



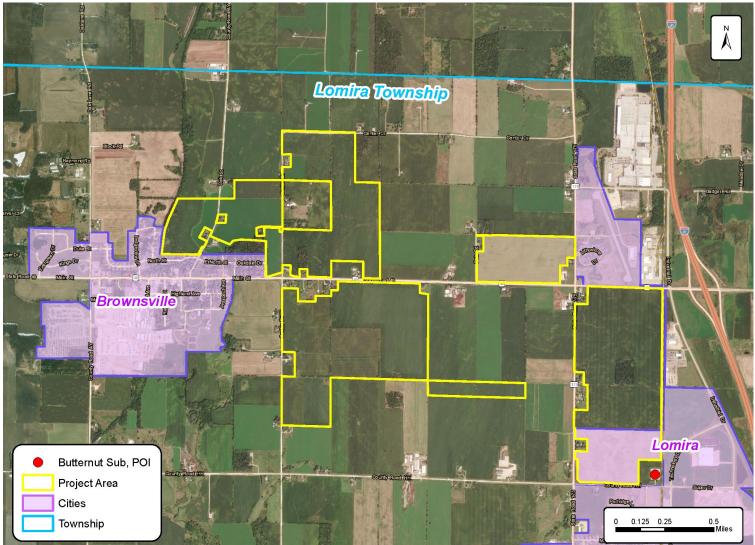
### **ECONOMIC BENEFITS:**

- Will generate enough energy to power electricity usage of approximately 20,000 homes annually
- ~\$116 million in Capital Investment
- 3 Full-time equivalent jobs
- 150+ Temporary construction jobs
- Increased local spending
- Unique to Geronimo: utility-scale solar projects receive Education Funds (501c3)
- \$10 Million in Utility Shared Revenue Payments
- Does not require additional services



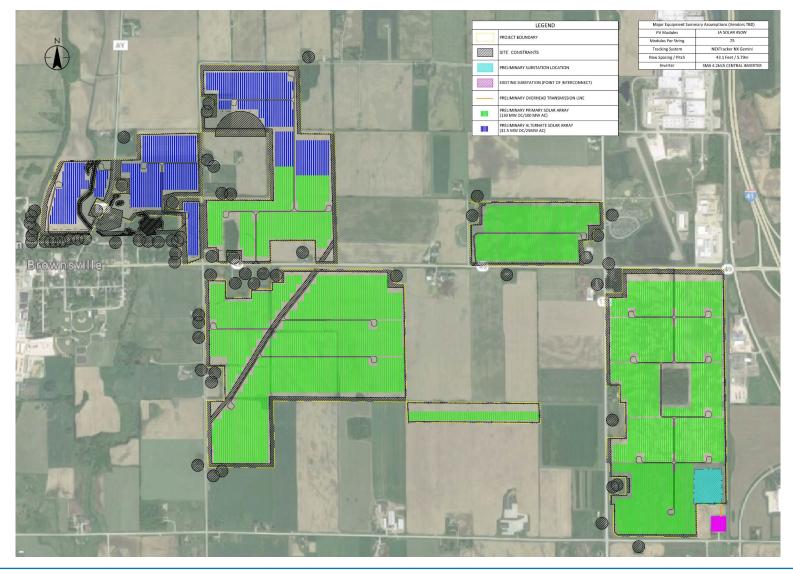
# Springfield Solar Farm, LLC





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# **Contact Information**

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