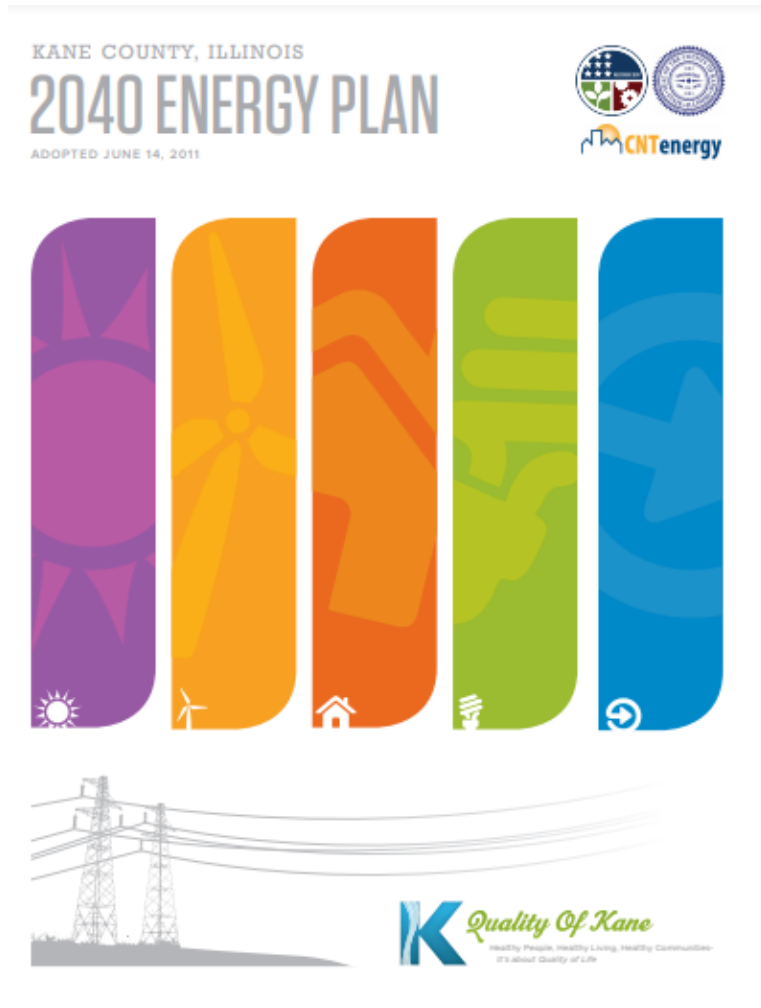


Fox Valley Sustainability Network: Solar Opportunities for Community Institutions

Ivy Klee, Kane County Government, Resource Management Coordinator



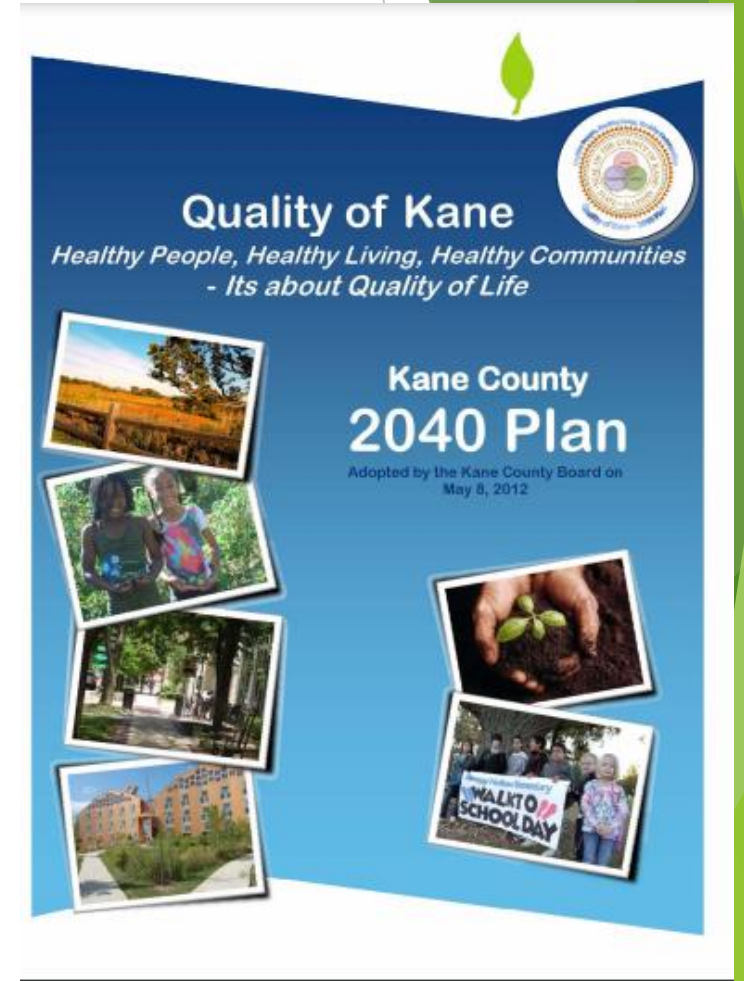
Kane County 2040 Energy Plan



- ▶ Published in 2011
- ▶ Encourage on-site renewable energy for residential buildings
- ▶ Commercial and industrial buildings

Kane County 2040 Plan

- ▶ Published in 2012
- ▶ Facilitating and siting of smart grid technology and renewable energy infrastructure
- ▶ Designed to increase energy efficiency and reliability



Kane County Operational Sustainability Plan

- ▶ Published in 2013
- ▶ Purchase or installation of Renewable Energy for County Facility Energy Use.
- ▶ To remove the dependence on grid-produced electricity
- ▶ Lower monthly energy costs

KANE COUNTY OPERATIONAL SUSTAINABILITY PLAN



2013

Sustainable Solutions and Results for Kane County
Facilities and Operations

Kane County Green Building Policy



KANE COUNTY GREEN BUILDING POLICY

Sec. 1 - Applicability:

The Green Building Policy applies to all Kane County owned buildings as defined in Section 3 (excluding section 6) and leased or rented buildings (section 6 only).

Sec. 2 - Definitions:

Green Building: The design and construction of buildings that are environmentally responsible, economical to operate, and healthy places to live and work. As defined by the U.S. Green Building Council (USGBC), it is "design and construction practices that significantly reduce or eliminate the negative impact of buildings on the environment and occupants in five broad areas including: sustainable site planning, safeguarding water and water efficiency, energy efficiency and renewable energy, conservation of materials and resources, and indoor environmental quality."

Leadership in Energy and Environmental Design (LEED): a green building rating system promulgated by the USGBC that provides specific principles and practices, some mandatory but the majority discretionary, that may be applied during the design, construction, and operation phases, which enable the building to be awarded points from reaching present standards of environmental efficiency so that it may achieve LEED certification from the USGBC as a "green" building, as such rating system exists on November 7, 2002.

LEED Certification: A nationally recognized and utilized voluntary certification process that provides a definitive standard for what constitutes "green" building practices. LEED Certification is obtainable at four levels including Certified, Silver, Gold and Platinum. The LEED Certification process promotes a whole-project integrated design process, provides standards for recognition of sustainable design leaders and buildings, and raises awareness of the importance of "green" design.

Major Renovation: a project with a construction budget that equals 50% or more of the building's current replacement cost.

Project Team: the Kane County Department Director in charge of the project, associated staff, and the Architect, Engineer and Construction Manager associated with the project.

The Committee: The Kane County Energy and Environmental Committee

USGBC: United States Green Building Council

Sec. 3 – Green Building Standards:

(a) All newly constructed buildings and all buildings scheduled for capital improvement, renovations or remodels as defined below shall be designed, built, and operated in accordance with the standards and requirements of the LEED Green Building Rating System, LEED v4.1 or most current version, and each new building must meet the requirements for LEED certification.

- ▶ Adopted in 2021 to incorporate green building and design principles into the building and renovation processes of county owned buildings
- ▶ Ensure buildings are environmentally responsible, economical to operate and healthy places to work
- ▶ Significantly reduce or eliminate the negative impact of buildings on the environment and occupants

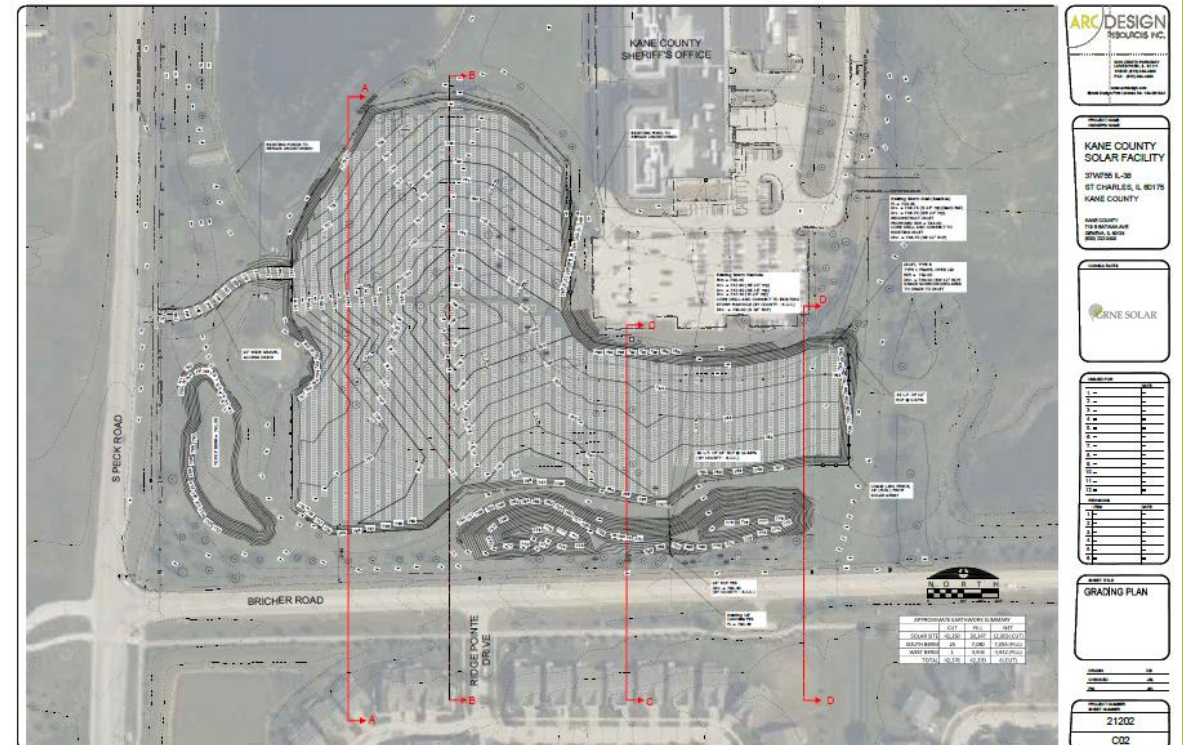
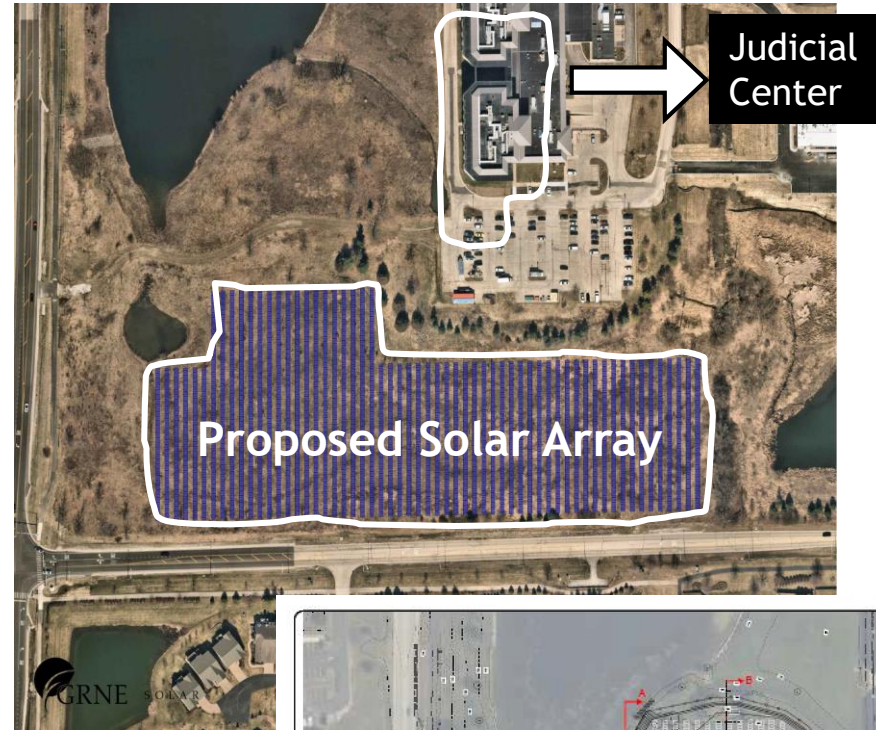
Kane County Judicial Center Solar Project Procurement Process

1. Judicial Center = County owned building with largest energy needs (Energy Audit)
2. Non-binding RFP to determine ideal project site and size of project
3. PPA v. Own
4. Behind the Meter
5. Understanding Tax Benefits - take advantage of SREC funding
6. Evaluate proposals and select a provider
7. Move forward with proposal to be approved by County Board Members
8. Contract negotiations with State Attorney Office



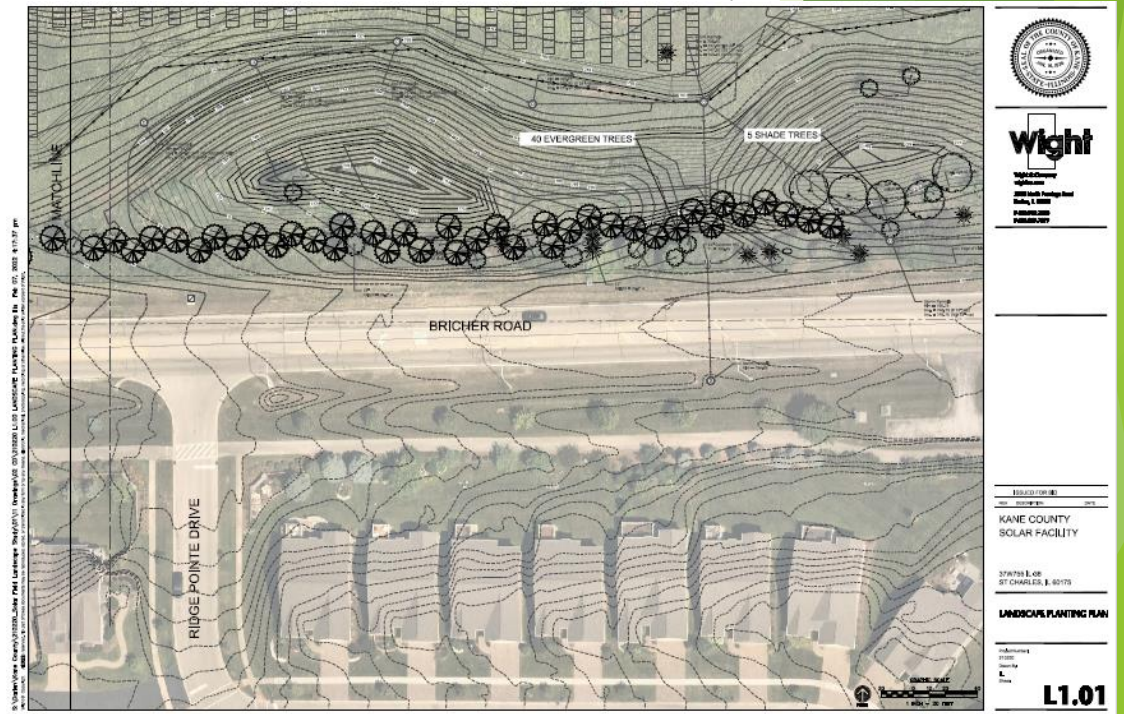
How to get started!

- ▶ Funding Available?
- ▶ Project size & location (thinking for the future)
 - ▶ 2 MW, 8 acre, 25 yr Power Purchase Agreement
 - ▶ Covers 45% of our Judicial Center's electrical needs
- ▶ ~ \$5+ million in savings over 25 years, \$200,000 savings annual, \$0 cost to County (not exactly the case)
- ▶ Work with a liaison to assist with the process!



Understand who are your Key Stakeholders

- ▶ Progressive Energy Group
- ▶ Kane County Board Members (Approval)
- ▶ Worked closely with Purchasing, Development, Sheriff and Building Management Departments, Master Plan Committee and State Attorneys Office for contract approval
- ▶ Solar Companies
- ▶ Surrounding project site neighbors



Kane County's Process and timeline

▶ **March 2021**

- ▶ Presentation from Progressive Energy Group on Adjustable Block Program Funding (behind the meter)

▶ **May 2021**

- ▶ Non-binding RFP sent out via Purchasing Dept, on-site visit with solar companies to look at three different project sites

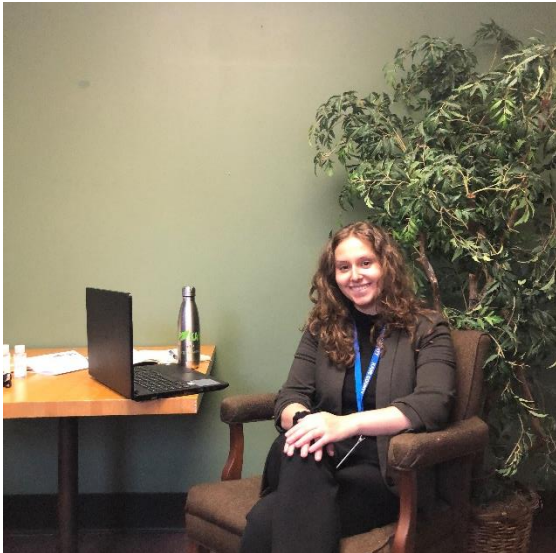
▶ **June 2021 - September 2021**

- ▶ Resolution with Proposal selection and project site submitted/approved by Energy and Environmental Committee, Administrative Committee, Finance Committee, Executive Committee and County Board (plus HOA and special E&E meeting)

▶ **October 2021-present**

- ▶ Project Management: procurement, engineering, racking, permitting, landscape planning, communications (mobilization to begin next month)

Contact Information



Ivy Klee

Resource Management Coordinator

Kleelvy@co.kane.il.us

Office: 630-208-8665

Cell: 847-609-2558