

National Sports Center & City of Blaine, Minnesota and Solar Energy

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Sun Source Energy

- **Over 20 years in the Renewable Energy Industry**
- **National Network of Energy Professionals**
- **Woman-Owned Business**
- **Locally Based in Minneapolis**
- **Working with an investor that specializes in community-scale renewable energy projects**
- **Development partner is IPS-Solar**

NSC Master Plan

Vision:

The National Sports Center campus and programs will build healthy individuals and communities by providing the best environment in the United States for playing amateur sports.

Goals:

- The NSC campus will strongly contribute to the memories made here.
 - The NSC campus will offer comfort and activity for all participants and their supporters.
 - The NSC campus will bring diverse communities together by offering the best sports facilities available to as many participants as possible.
 - **The NSC campus will be a model for sustainability and resilience.**
- The NSC campus will contribute meaningfully to the vitality of the community.**

Solar in Blaine

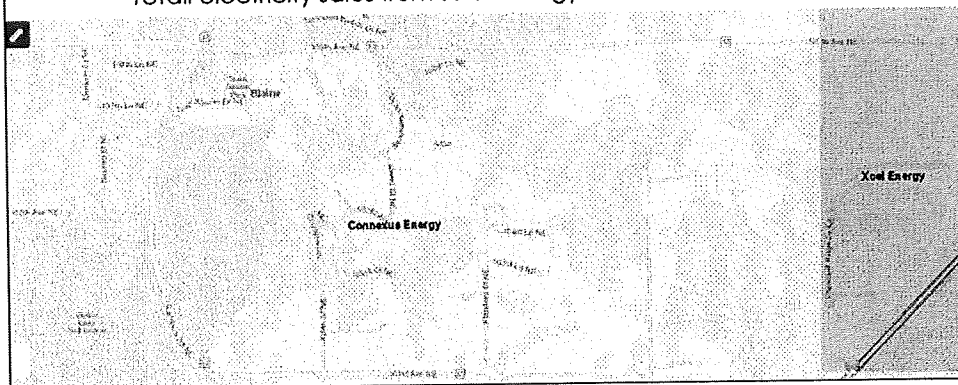
- **Cities are taking voluntary action to increase to address the challenges of sustainability and grow a resilient economy and expand community development**
- **Renewable Energy - cities lead with planning and action - remove barriers to and encourage installation of renewable energy generation**
- **Climate Adaptation and community resilience - foster stronger community connectedness and social and economic vitality**

Utility Service Territory Connexus with Xcel nearby

Solar Policy

In 2013, the State Legislature passed a set of laws that helped forecast an optimistic outlook for solar in Minnesota.

1. Minnesota Statute 216B.1691, subd. 2f. Requires Minnesota's public utilities to generate or procure 1.5 percent of the utility's retail electricity sales from solar energy.



Many Options

- NSC Campus – rooftops, surface parking lots
- Closed Landfill
- Leased land from MAC that is currently unused
- Public Works Building(s)
- City Hall
- Water Treatment facility
- Schools

Wow So Much to Consider

- Wet Lands
- Current Land Use, neighbors
- Planning, Zoning and permitting
- Access to sites by large construction vehicles
- Distance from candidate sites to the high use meters
- Costs of permitting, siting, building distribution grid line and line losses
- Connexus' reaction to this initiative

Wow So Much to Consider (2)

- Price of electricity, amount and time of use
- What is our risk
- Timeliness of getting projects started this year for best use of tax credits
- Value of "Green Credits" from renewable energy vs actual renewable energy on site
- How much "Green" energy is enough for marketing leadership (bragging rights)

Our Solar Business Model

- 3rd Party investor
- Little or no capital cost to customer
- Owned & operated by investor
- Investor takes risk
- Neutral cost or savings on electricity
- Lowering your carbon or energy footprint
- Predictable energy cost for contract period

3rd Party PPA

- A long term contract (20-25 years)
- allows utility customers to purchase electricity generated by solar panels on their roof from a third party that owns the PV system
- (typically the solar electricity is sold at a lower price than the local utility's retail rate)

Core Questions

- What are your primary interests to accomplish with solar?
- Which roofs are you most interested in see solar on?
- What are the steps for signing a 20-25yr contract (PPA) for solar generated electricity with a fixed price?