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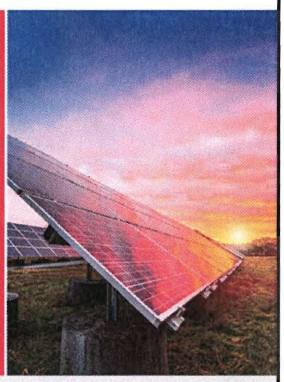
Catch some renewable rays, Wisconsin!

Solar*Connect Community[sm]

Aug. 30, 2016 · Viroqua



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Solar*Connect Community

- Xcel Energy is committed to sustainable energy options for all customers.
- In fact, we have been a national leader in renewable wind energy for 12 years.
- Solar*Connect Community is a flexible and affordable solution to help you meet your sustainability goals.

2

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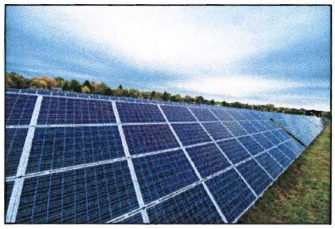
Why community shared solar?

- Provides a solar option for everyone
- It's easy – no need to site and maintain your own system
- Will not impact building insurance costs
- Less expense than customer-owned solar systems
- Partner with neighbors, other businesses and communities to support solar option in Wisconsin



3

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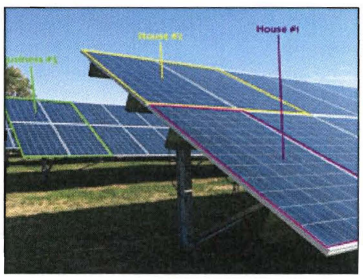
Program overview

Two 1,000-kW (1 MW) arrays

- Seven-acre gardens in La Crosse and Eau Claire counties
- Total of 3,225 panels produce 310 watts each
- Operational early 2017

Up-front, one-time subscription – You and your neighbors purchase part of the output of the local array.



4

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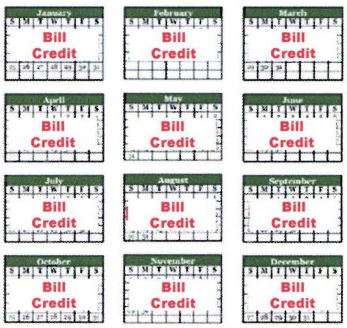
How does it work?

- Choose amount of solar subscription
  - Minimum: 200 watts
  - Maximum: 400 kilowatts
- Purchase subscription with a one-time enrollment cost
- **Solar bill credit monthly for next 300 months (25 years)**



5

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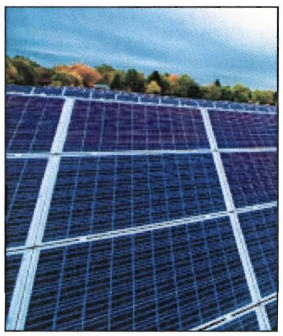
Costs and solar credits

Price

- $1,780/kW
- Deposit: $200/kW

Solar Credit (2016)

- Large Demand C&I $0.069/kWh
- Small Commercial, Farm, Residential $0.074/kWh



The 2016 credit is the "floor" and will <u>never</u> be lower

6

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Examples

	400kW	200kW	100kW	50kW	10kW	1kW*
kWh/mo.	42,667	21,333	10,667	5,333	1,067	107
Credit/mo.	$2,944	$1,472	$736	$368	$74	$7.92*
Total Cost	**$712,000**	**$356,000**	**$178,000**	**$89,000**	**$17,800**	**$1,780**

* Residential bill credit

7

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How it looks on your bill

ELECTRICITY SERVICE DETAILS

PREMISES NUMBER:
INVOICE NUMBER:

METER READING INFORMATION

METER		Read Dates: MM/DD/YY - MM/DD/YY (X DAYS)	
DESCRIPTION	CURRENT READING	PREVIOUS READING	USAGE
Total Energy	68340 Actual	67805 Actual	535 kWh

528 Heating Degree Days

ELECTRICITY CHARGES **RATE: Sm Gen Svc (Metered)**

DESCRIPTION	USAGE UNITS	RATE	CHARGE
Customer Charge			$14.00
Energy Charge Summer	535 kWh	$0.122400	$65.48
Subtotal			**$79.48**
WI Low Income Assist		3.00%	$2.38
County Tax		0.50%	$0.40
State Tax		5.00%	$3.97
Total			**$86.23**

OTHER RECURRING CHARGES DETAILS

DESCRIPTION			CHARGE
Solar*Connect Community Production Credit			
Solar Production Period		Month YYYY	
SRC0000000	100 kWh x 0.074000		-$7.40 CR
County Tax		0.05%	-$0.04 CR
State Tax		5.00%	-$0.37 CR
Total			**- $7.81 CR**

8

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Cost comparison

Solar*Connect Community vs. Self-Owned PV[1]
15 kW subscription vs. 15 kW PV System (25 years)

Solar*Connect Community w/ Solar Credits	
Cost	$26,700
Ongoing Maintenance	$0
Total Cost	$26,700
Solar Bill Credits[3]	$34,600–$42,000
Net Value	+$4,600 to +$13,500

Self-Owned PV w/ Net Metering	
Cost[2]	$52,000
Ongoing Maintenance[2]	$7,125
Total Cost	$59,410
Net Metering Rate[3]	$30,200–$63,000
Net Value	-$28,925 to +$3,875

1. For arrays less than 100kW
2. Estimates from NREL's *Distributed Generation Renewable Energy Estimate of Costs* (Feb. 2016)
3. Varies by rate class; Estimates assume 0%-1.5% annual increase in credits/rates over next 25 years

9

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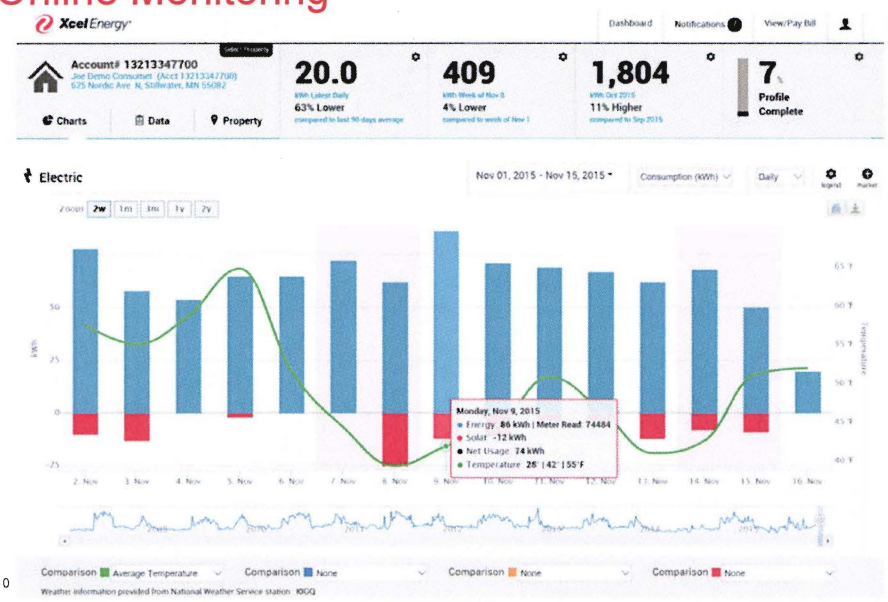
Online Monitoring



10

Customer recognition

11

Timeline

Now
- Subscription drive

Fall 2016
- Solar arrays constructed

December 31, 2016
- Subscription balance due
- Solar garden construction complete

February 2017 (est.)
- Subscribers receive first credits from solar production

Congratulations to Nelson Agri-Center, our first Viroqua subscriber!

12

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Resources

Business Customers: Contact your Xcel Energy Account Manager, Community Service Manager or the Energy Expert Team at 800-824-1688

Residential Customers: Call our Energy Expert Team at 800-824-1688

Email: SolarConnectComm@xcelenergy.com
Web: xcelenergy.com/SolarConnectCommunity

13

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Solar*Connect Community Questions?

14