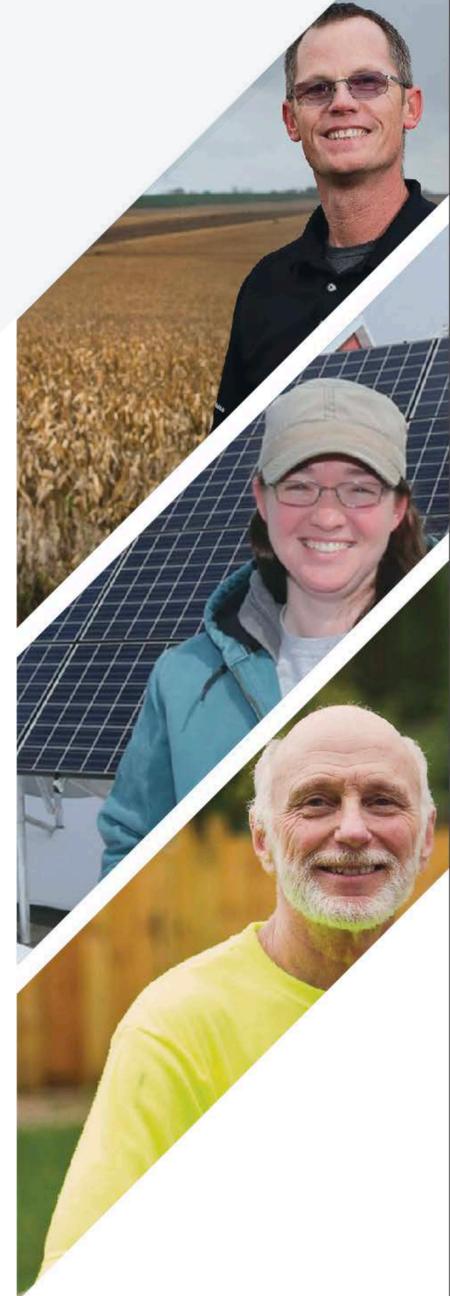


# RENEWABLE ENERGY SUMMIT 2019

## Scaling Up for the Job Ahead

01.17.2019

Monona Terrace and Convention Center • Madison, WI



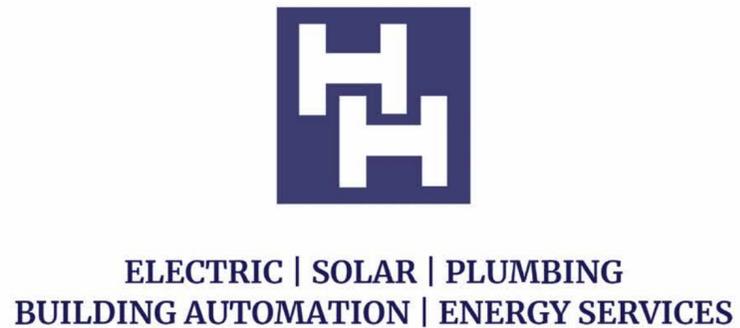
# SUMMIT CHAMPIONS – LUNCH SPONSORS



Dane County  
Office of Energy  
and Climate  
Change



# SUMMIT PARTNERS — SUPPORTING OUR KEYNOTE & PANEL SESSIONS





**PLEASE WELCOME**

Mark Stoering  
CEO  
Xcel Energy  
WI & MI

# LUNCH KEYNOTE

Mark Stoering

CEO, Xcel Energy  
Wisconsin and Michigan



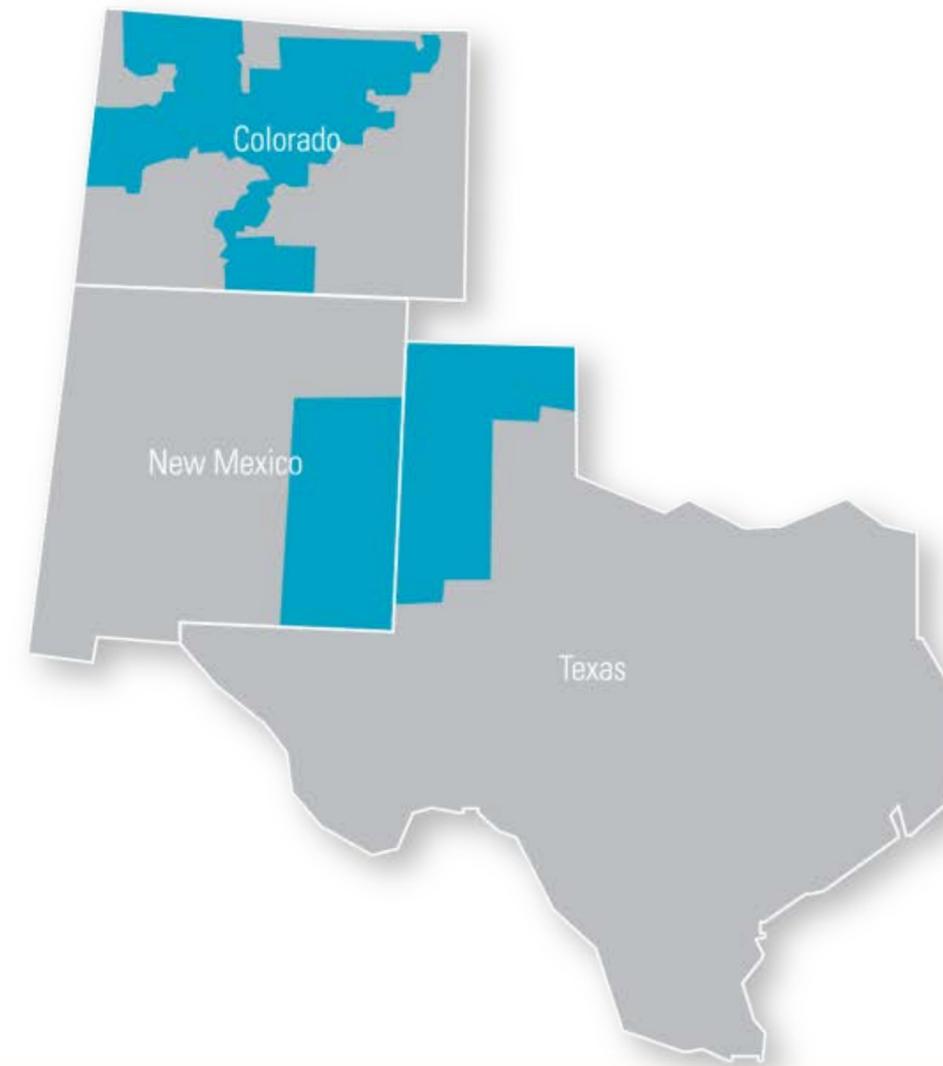
# Xcel Energy

Serving eight states

- 3.6 million electricity customers
- 2 million natural gas customers

**Nationally recognized leader:**

- Wind energy
- Energy efficiency
- Carbon emissions reductions
- Innovative technology
- Storm restoration efforts
- Veteran hiring



# Wisconsin Commitment

- Communities served: **213**
- Electric customers: **250,000**
- Natural gas customers: **109,000**
- Electric Reliability: **99.9%**
- Employees & contractors: **1,000+**
- Volunteer hours: **1,100+ annually**
- Community giving: **\$1 million annually**
- Annual spending in Wisconsin: **\$229 million with local suppliers**
- Renewable energy provider in state: **#1**



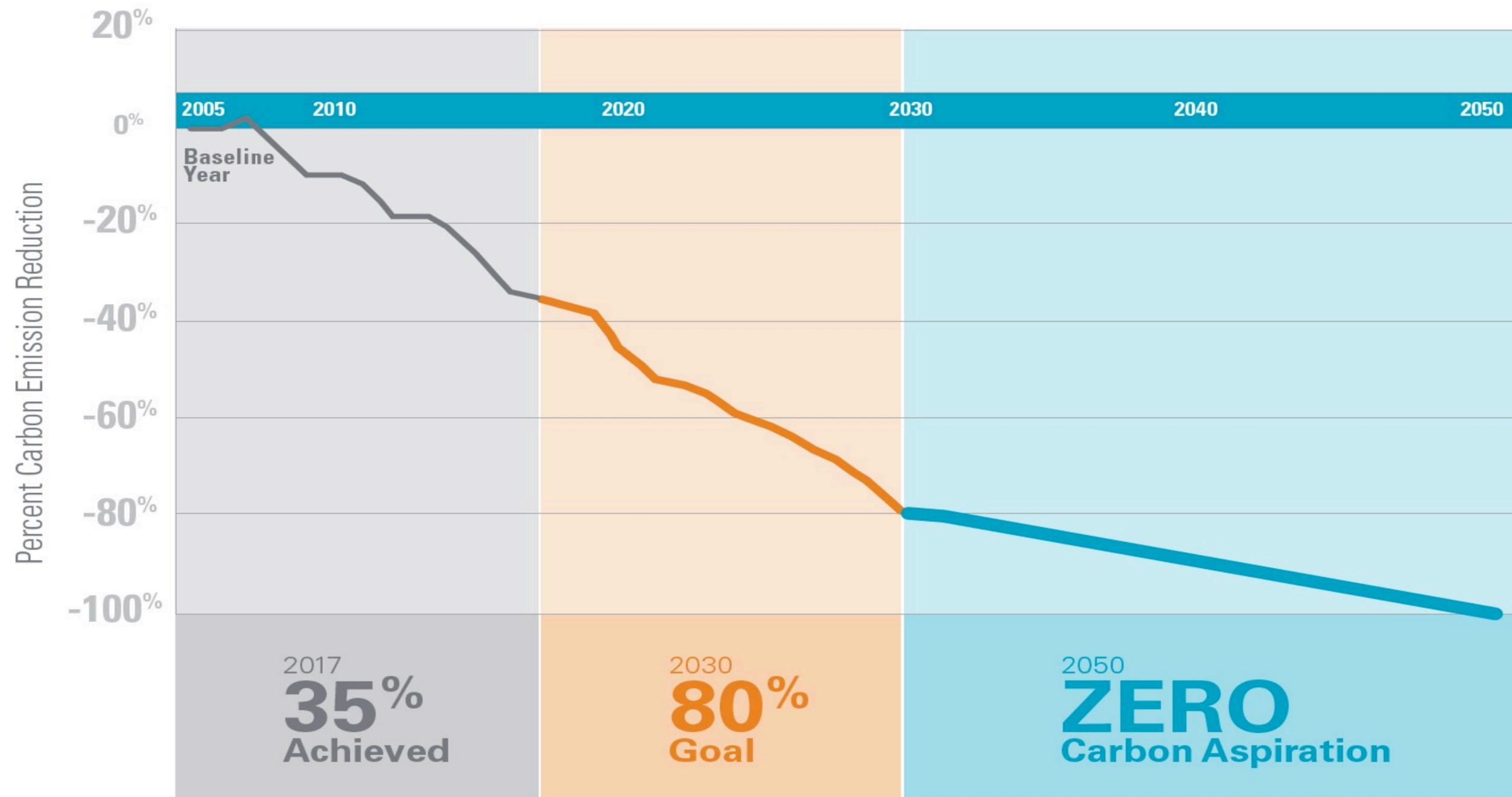
# LUNCH KEYNOTE

Mark Stoering

CEO, Xcel Energy  
Wisconsin and Michigan



# Bold, New Vision for 2030 and 2050



# LUNCH KEYNOTE

Mark Stoering

CEO, Xcel Energy  
Wisconsin & Michigan



# RENEWABLE ENERGY SUMMIT 2019

## Scaling Up for the Job Ahead

01.17.2019

Monona Terrace and Convention Center • Madison, WI



# RENEWABLE ENERGY CHAMPION

Legacy Solar Co-op



# MISSION

Legacy Solar Co-op's mission is to improve both the access and the affordability of solar and energy efficiency technologies for its members.

This is accomplished through member collective expertise and a shared energy savings model to streamline and democratize solar energy investing.

# 2018 PROJECTS COMPLETED!

1. Willow Creek Ranch Farm, Coon Valley – North Wind RE Co-op
2. UCC Memorial, Fitchburg – Midwest Solar Power
3. General Beverage Northwest, Chippewa Falls – Midwest Solar Power
4. General Beverage Northeast, Kaukauna – Arch Electric
5. City of Beaver Dam – North Wind Renewable Energy Cooperative
6. VFW 8483, Truax-Longmire, Madison – Midwest Solar Power
7. Sawyer County Housing Authority – Carlson Electric
8. Humane Society of Burnett County – Carlson Electric
9. Bethel Horizons, Dodgeville – WES Engineering
10. Oregon Ice Arena – Full Spectrum Solar
11. Christ Lutheran Church, Spring Green – WES Engineering

# CITY OF BEAVER DAM CITY HALL

**SOLAR CONTRACTOR** • North Wind  
Renewable Energy

**PROJECT CAPACITY** • 103 kW

**COMPLETED** • November 2018





## HUMANE SOCIETY BURNETT COUNTY

**SOLAR CONTRACTOR** • Carlson Electric  
**PROJECT CAPACITY** • A 19.7 kW ground-mount system to power 50% of this shelter and education center's energy  
**COMPLETED** • November 2018

 Carlson Electric

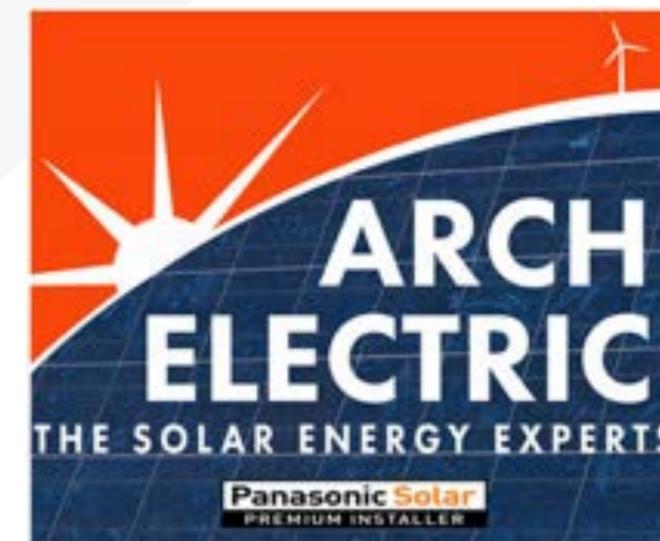


## GENERAL BEVERAGE • KAUKAUNA

**SOLAR CONTRACTOR** • Arch Electric

**PROJECT CAPACITY** • 298.8 kW

**COMPLETED** • October 2018





## BETHEL HORIZONS • DODGEVILLE

**SOLAR CONTRACTOR** • WES Engineering  
**PROJECT CAPACITY** • 80 kW total. The Prairie Center and the Venture Arts Retreat Center will each be generating about 50% of their own power.  
**COMPLETED** • November 2018





# MEMORIAL UNITED CHURCH OF CHRIST • FITCHBURG

**SOLAR CONTRACTOR** • Midwest Solar Power  
**PROJECT CAPACITY** • 20 kW  
**COMPLETED** • July 2018



Midwest Solar  
Power LLC



connection  
basement  
m at Panel,  
meter is  
adjacent

connect  
side of  
building  
under roof  
overhang

# LITERACY NETWORK OF DANE COUNTY

**SOLAR CONTRACTOR** • WES Engineering  
**PROJECT CAPACITY** • 17 kW  
**COMPLETED** • January 2019



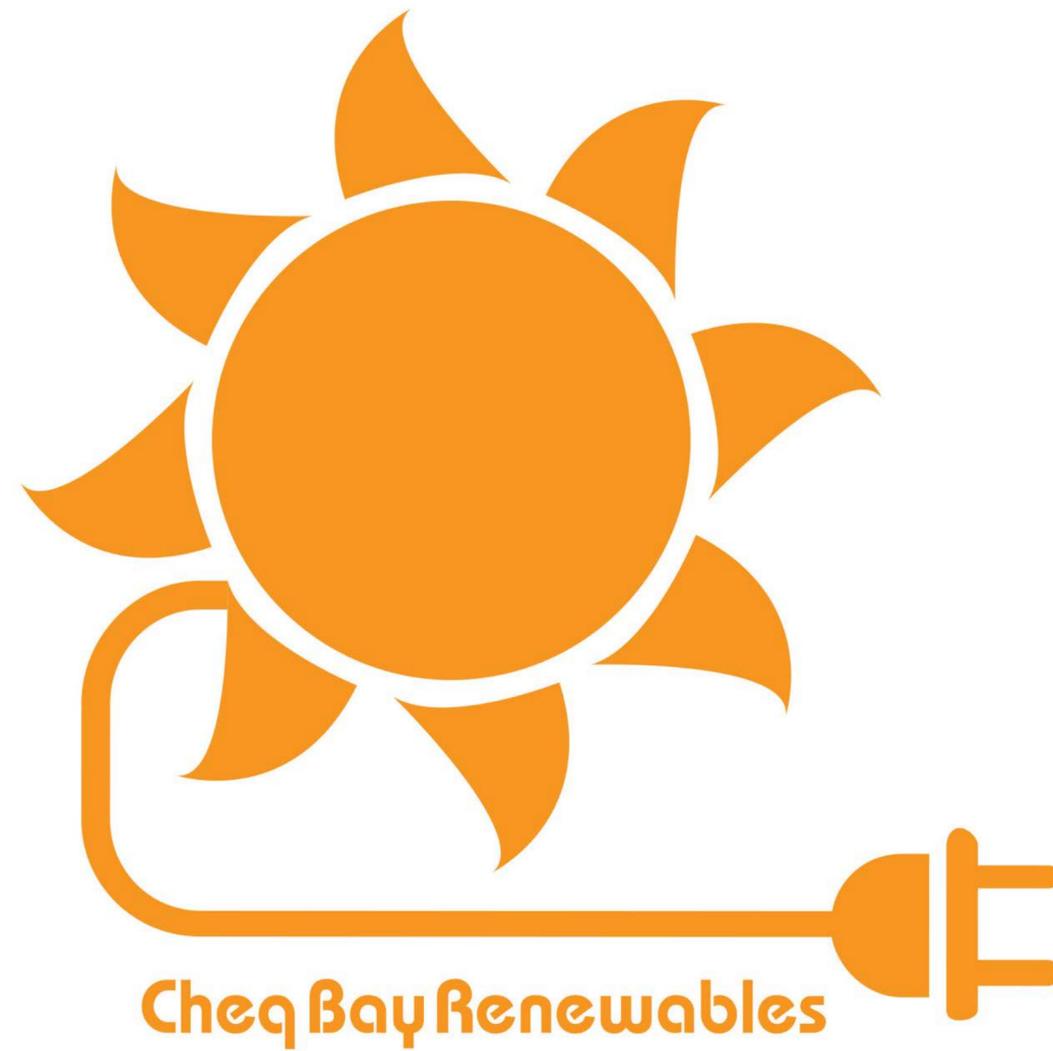
**THANK YOU**

Legacy  Solar Co-op

**FOR A WONDERFUL 2018 AND**

**HERE'S TO A SUNNY 2019!**

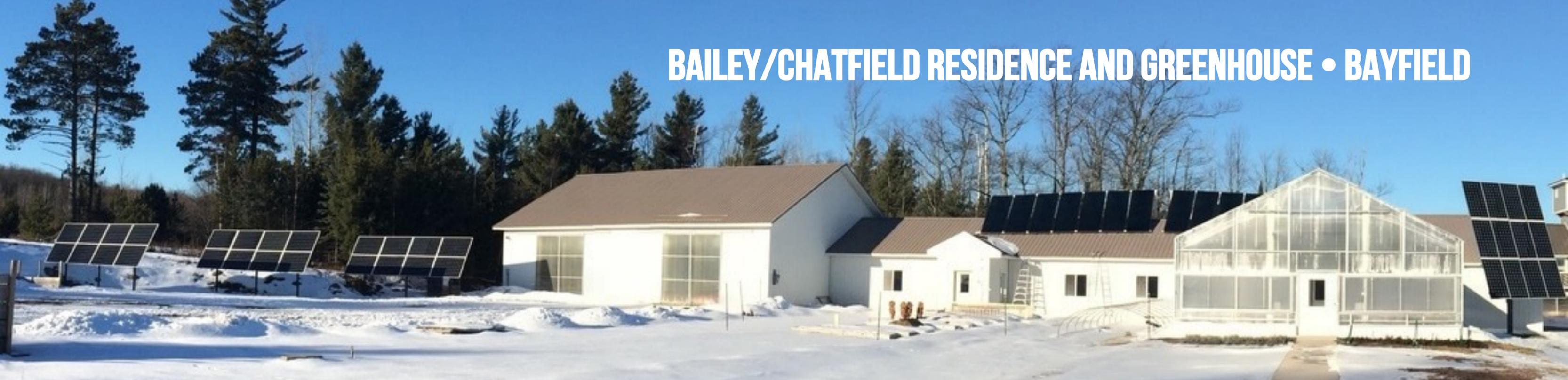
# RENEWABLE ENERGY CHAMPION



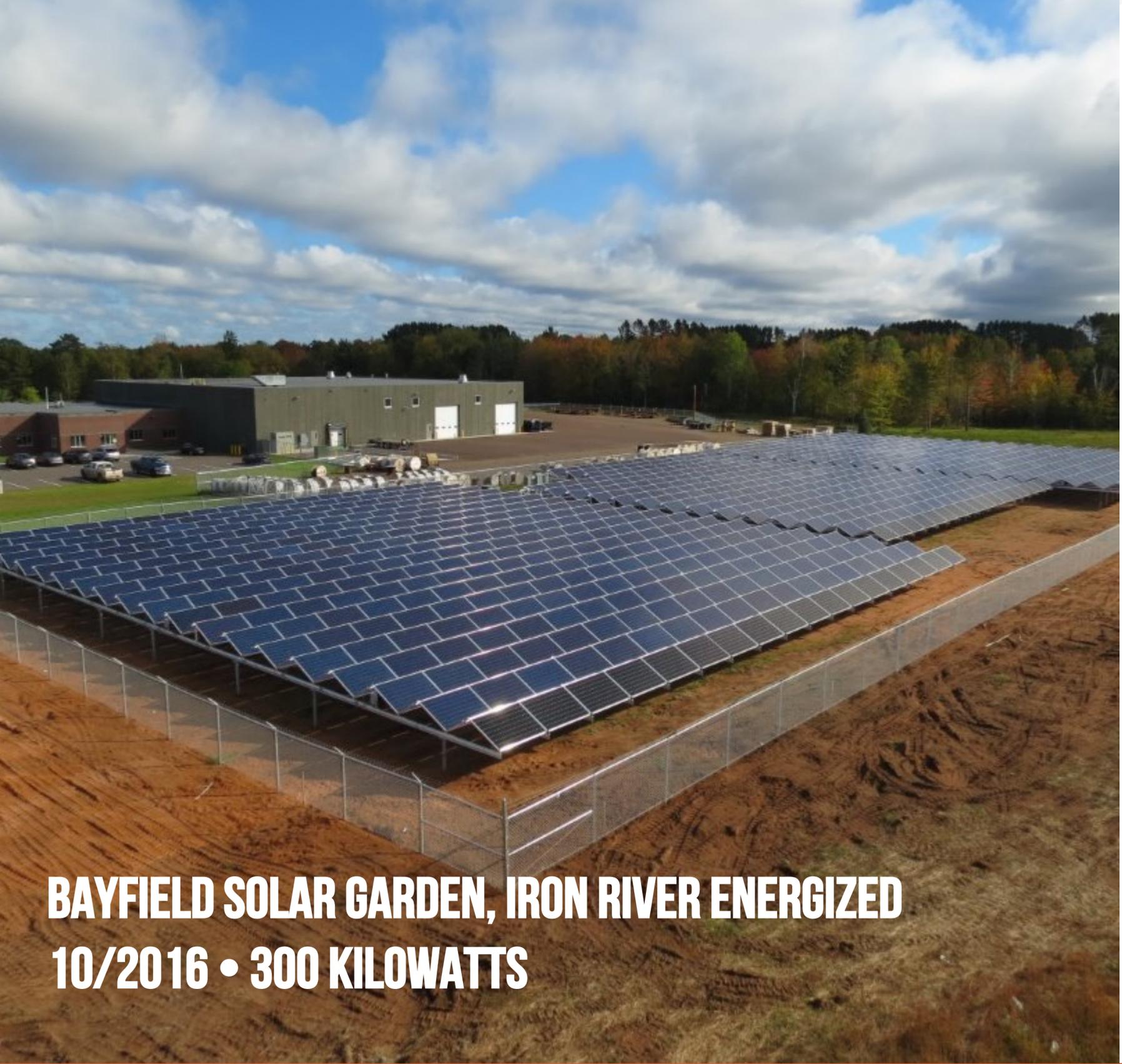
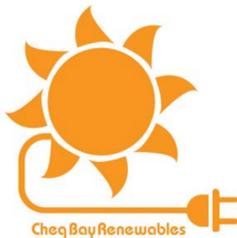


# WHERE IT STARTED

## BAILEY/CHATFIELD RESIDENCE AND GREENHOUSE • BAYFIELD



# COMMUNITY SOLAR PROJECT 2016



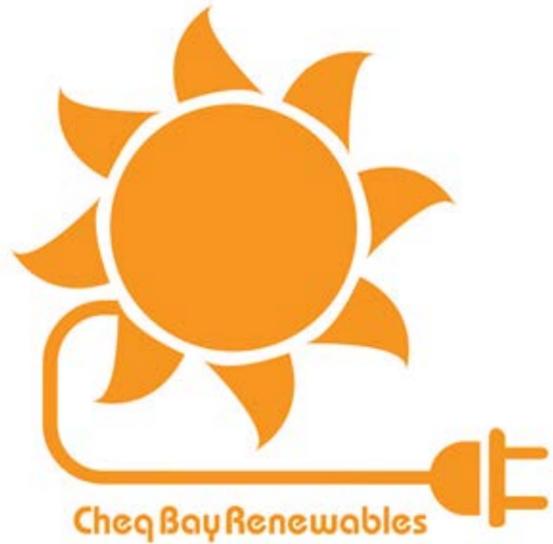
**BAYFIELD SOLAR GARDEN, IRON RIVER ENERGIZED  
10/2016 • 300 KILOWATTS**





# THIRD ANNUAL SOLAR TOUR • SEPTEMBER 30, 2018 • BAYFIELD

# WISCONSIN SOLAR GROUP BUYS 2018

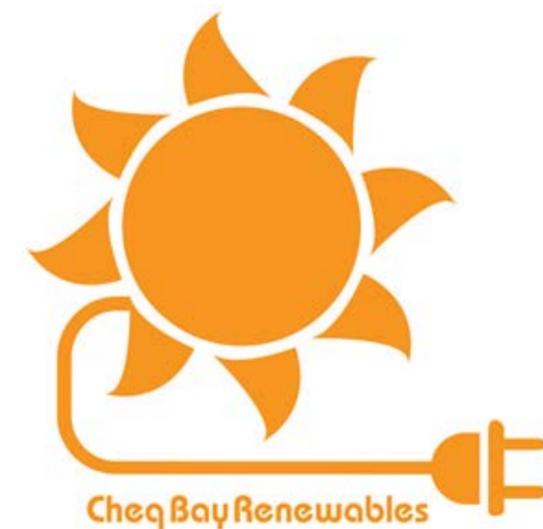


PROGRAM	PARTICIPANTS	SIGNED CONTRACTS	AGGREGATE CAPACITY (IN KW)
MadiSUN	Cities of Madison/ Full Spectrum Solar/ Midwest Solar Power/RENEW Wisconsin	21	98
Glacial Heritage Solar	MREA, Heart of the City, Sustain Jefferson, Full Spectrum Solar	18	139
Cheq Bay Renewables Solar Group Buy	Cheq Bay Renewables, Next Energy Solution	85	552
Solar Central Wisconsin	MREA, Mid-State Technical College, North Wind Renewable Energy Co-op	32	177
Solar Sauk County	MREA, Sauk County Climate Awareness and Action, Eagle Point Solar, All-Sky Energy	67	448
Solar SE Wisconsin	Great Lakes Community Conservation Corp., Arch Electric	12	88
Sierra Club Group Buy	Sierra Club-John Muir Chapter, SunVest	21	154
<b>Total</b>		<b>256</b>	<b>1,651</b>



# SOLAR GROUP BUY FIELD DAY AT HIGHLAND VALLEY FARM • BAYFIELD

**JUNE 10, 2018**





# SAFETY SESSION FOR SOLAR GROUP BUY OWNERS • BAYFIELD

**AUGUST 11, 2018**



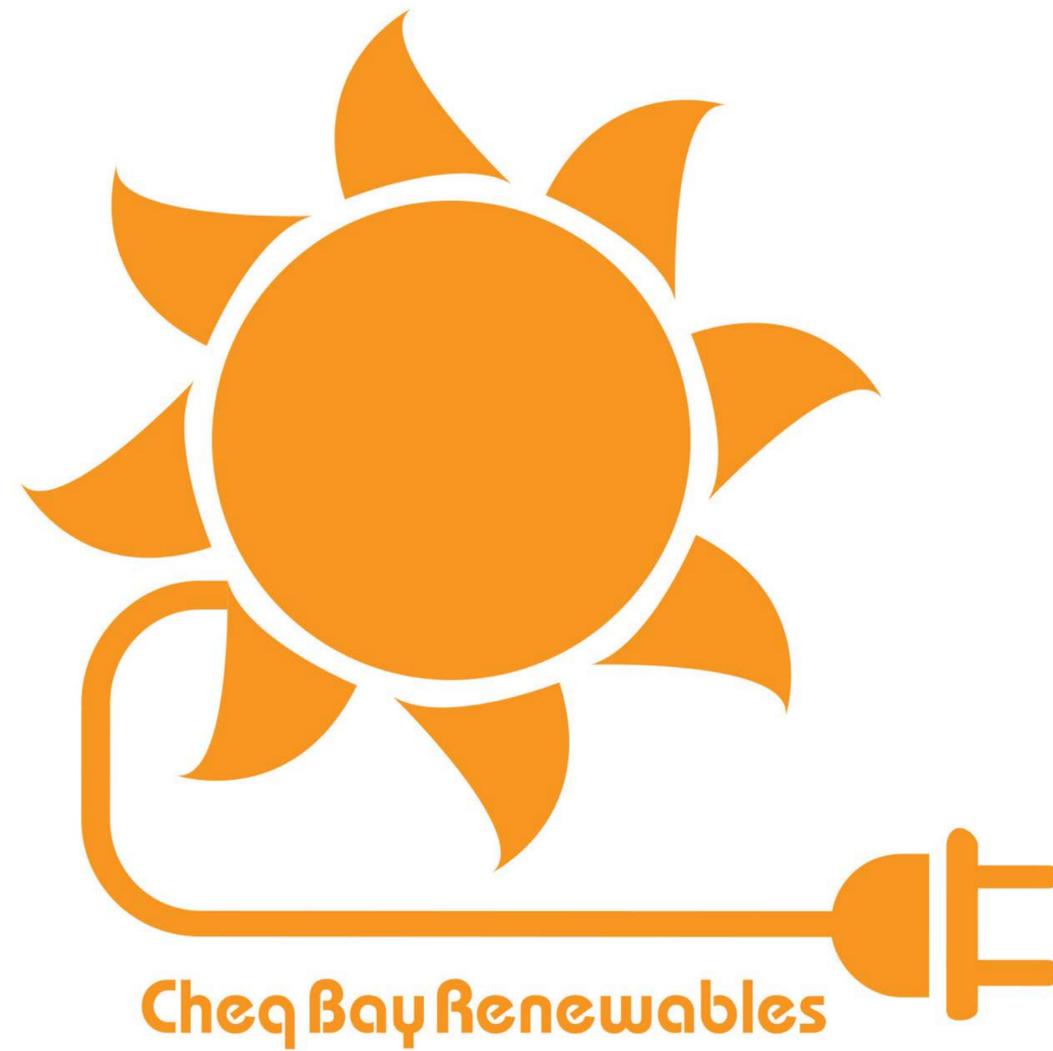


**SOLAR GROUP BUY  
CELEBRATION DAY •  
BAYFIELD PAVILION**

**DECEMBER 7, 2018**



# RENEWABLE ENERGY CHAMPION



# RENEWABLE ENERGY CHAMPION

## DANE COUNTY EXECUTIVE JOE PARISI



**Dane County  
Office of Energy  
and Climate  
Change**





**FOREGROUND: DANE COUNTY  
HIGHWAY GARAGE ± MEDICAL  
EXAMINERS BUILDING (SOLAR)**

**BACKGROUND: YAHARA LANDFILL  
(BIOGAS)**



Dane County  
Office of Energy  
and Climate  
Change

# YAHARA LANDFILL BIOGAS

**CLEAN FUEL  
PARTNERS**  
RENEWABLE ENERGY ECOSYSTEMS

# DAIRY BIOGAS — TOWN OF WESTPORT

**SOLAR ARRAYS**  
**222 KW**

**DANE COUNTY**  
**HIGHWAY**  
**GARAGE &**  
**MEDICAL**  
**EXAMINERS**  
**BUILDING**





# RENEWABLE RNG FILLING STATION

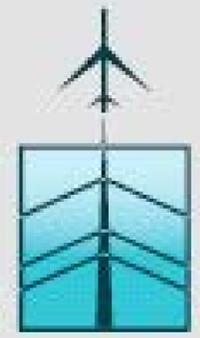
**SOLAR**

**FEN OAK OFFICE**  
**34.5 KW**





DANE COUNTY  
REGIONAL AIRPORT  
MADISON



MG&E®

# Renewable Energy Rider: Solar



# RENEWABLE ENERGY CHAMPION

## DANE COUNTY EXECUTIVE JOE PARISI



Dane County  
Office of Energy  
and Climate  
Change



# 1:30 – 2:15 BREAKOUT SESSIONS

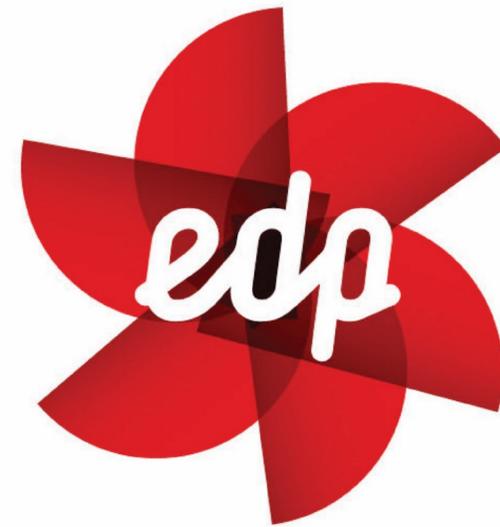
Hall E: Battery Storage

Hall F: Stacking the Benefits of Clean Energy

Hall G: Electric Vehicles



# SUMMIT LEADERS — RECEPTION SPONSORS AT 3:30PM



renewables



Invenenergy

# SUMMIT ADVOCATES — REFRESHMENT SPONSORS

