



# *Clean Energy Goes Mainstream*



***What do we mean,  
Mainstream?***

# Corporate Leadership

## CORPORATE RENEWABLE ENERGY BUYERS' PRINCIPLES: INCREASING ACCESS TO RENEWABLE ENERGY

**62** COMPANIES **45** MILLION MWH OF DEMAND FOR RENEWABLE ENERGY **\$5** TRILLION IN MARKET CAP



[www.buyersprinciples.org](http://www.buyersprinciples.org)



# Citizen Adoption



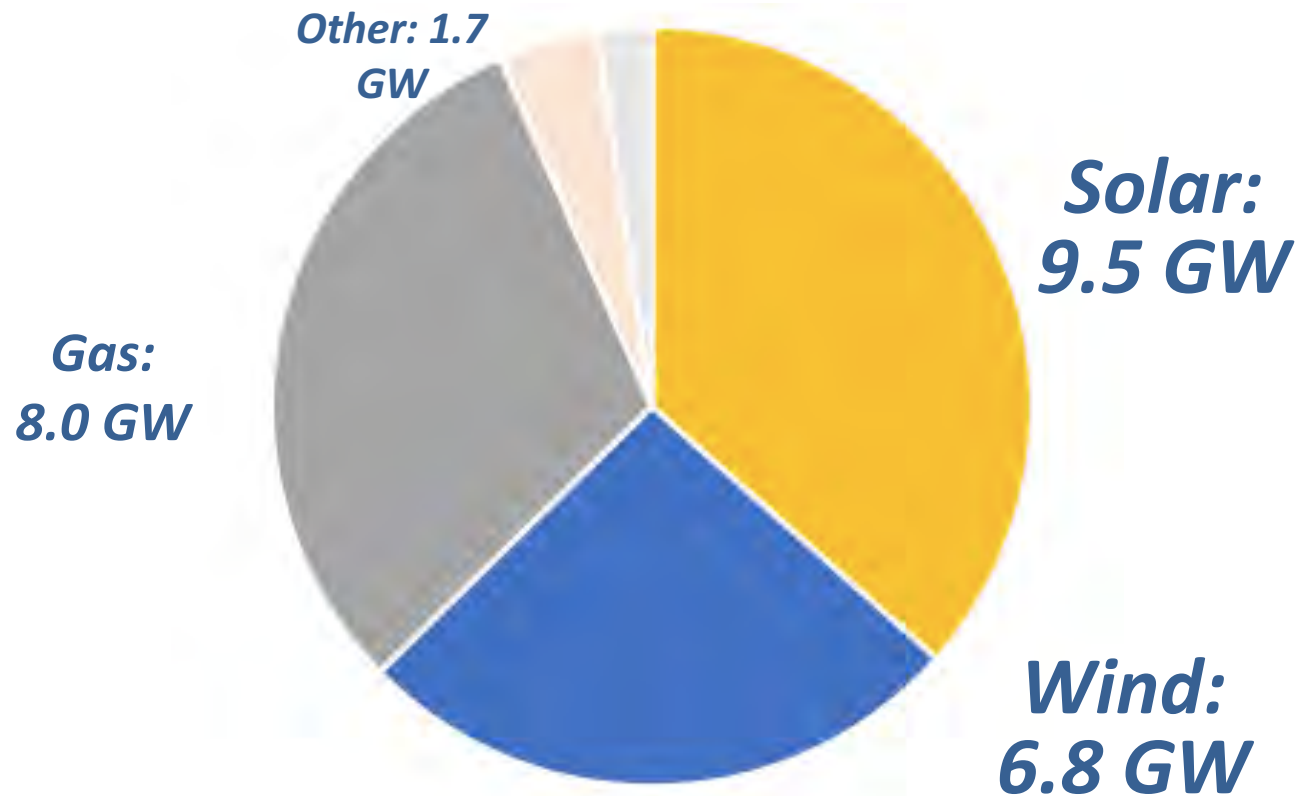
MILLION  
SOLAR  
STRONG

America has reached the milestone of 1 million solar systems nationwide.

*And,  
the next million  
will take  
just 2 years*



# 2016 New Electricity Capacity in U.S.



**63%**  
**Renew-  
able**

Data: Energy Information Administration,  
<http://www.eia.gov/todayinenergy/detail.php?id=25172>



# 2016 – A Big Year!



# Biogas is Coming Back

*PSC allocates  
\$20 million  
towards  
biogas*

*Still need to address tariffs  
for existing digesters*



# Wind is Coming Back



222 S. Hamilton, Madison, WI 53703

#### More information

Tyler Huebner, Executive Director

608-575-2201 (cell)

[tyler.huebner@renewwisconsin.org](mailto:tyler.huebner@renewwisconsin.org)

## **RENEW Applauds Dairyland Power and EDP Renewables for Wind Energy Expansion**

Madison, WI – June 8, 2016

Today, Dairyland Power Cooperative, based in La Crosse, announced they will purchase power from a new utility-scale wind energy project in Lafayette County in southwest Wisconsin.

The “Quilt Block” wind project will be developed by EDP Renewables, which has its U.S. headquarters in Houston, Texas. The project is approximately 99 megawatts, which when constructed will provide over 15% of Wisconsin’s wind power.

*1<sup>st</sup> utility-scale  
wind project  
since 2011*


*Positive PSC  
decision on  
human health*



# 2016 Solar Beats 2015

**JOURNAL SENTINEL** HOME NEWS SPORTS BUSINESS OPINION WATCHDOG TAP FRESH TRAILS OBITUARIES

**PLUGGED IN**



**2016 shines as Wisconsin's brightest year for solar**

**EDUCATION**  
\$10 million grant launches Marquette hall honoring Wild

**LOCAL**  
Projects at heart of UW-Oshkosh lawsuit defined ex-chancellor's legacy

**POLITICS**  
Improved revenue numbers could help state budget

**GREAT LAKES** **GREAT LAKES** **GREAT LAKES** **ELECTIONS**

***30+ Solar  
Megawatts  
built / in  
development***



# Focus on Energy Funding 2017-18



***\$8.6 million in  
incentives  
over 2 years***



## Summit Leader & Summit Champion Sponsors




# Barbara Nick – Dairyland Power

## Solar's Day in the Sun *(Here comes the Sun...)*

Barbara Nick, President and CEO  
Dairyland Power Cooperative

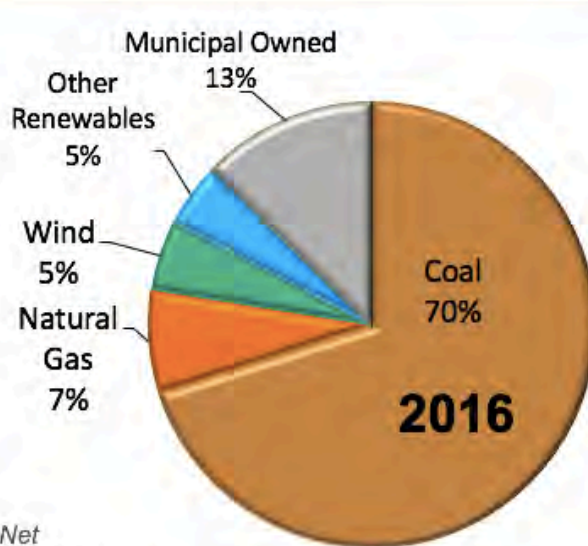


A Touchstone Energy® Cooperative 

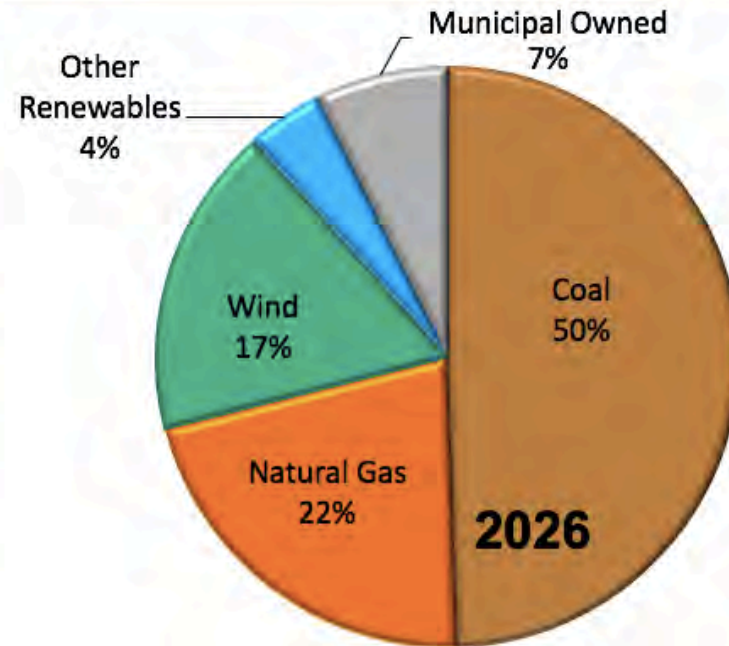


# Barbara Nick – Dairyland Power

## “Preferred Plan” for Diversification - Targets -

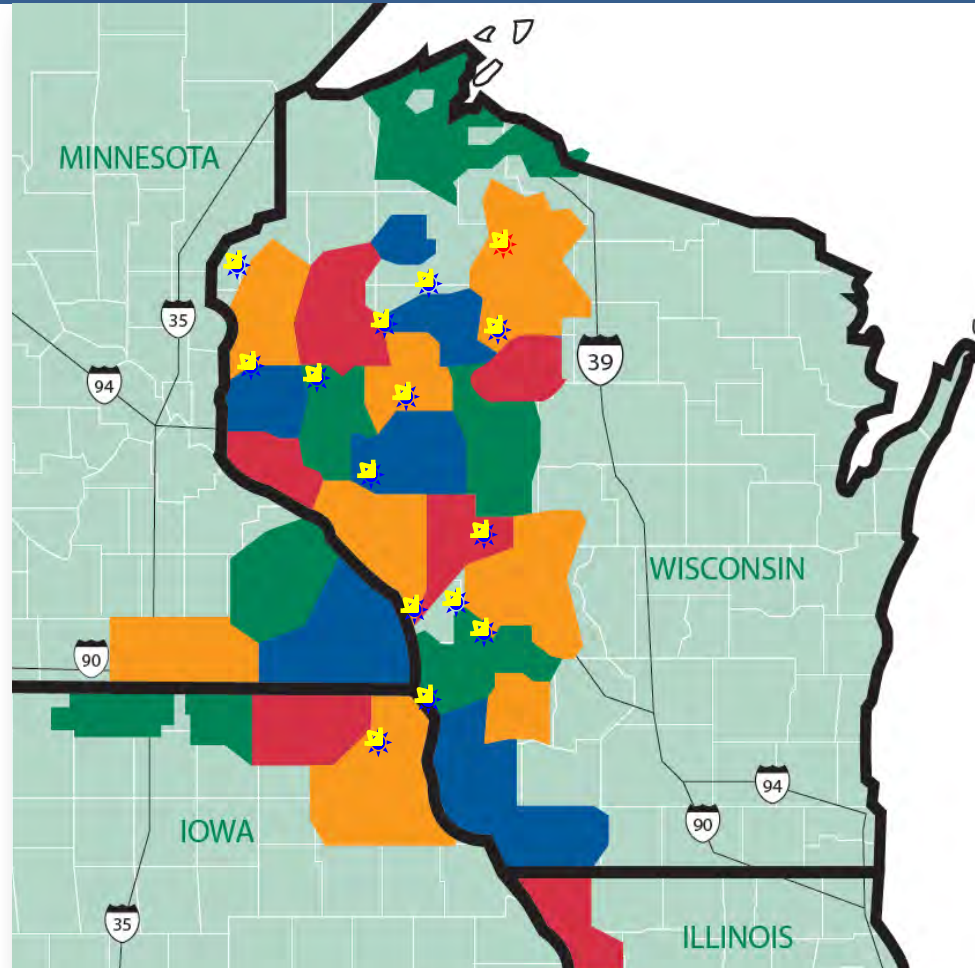


(Forecasted Net Nameplate Capacity)



***Journey to Diversification***

# Barbara Nick – Dairyland Power



# DPC Solar Project Pollinator Gardens at Solar Projects



Credit: Prairie Restorations, Inc







# ***Economic & Security Benefits of Mainstream Clean Energy***

*Gregg Herman, US Army Reserve*

*Larry Ward, Michigan Conservative Energy Forum*

*Stanley Minnick, Organic Valley*

*Amy Heart, Sunrun (Moderator)*





***Adam Browning***  
***Vote Solar***

# Adam Browning – Vote Solar

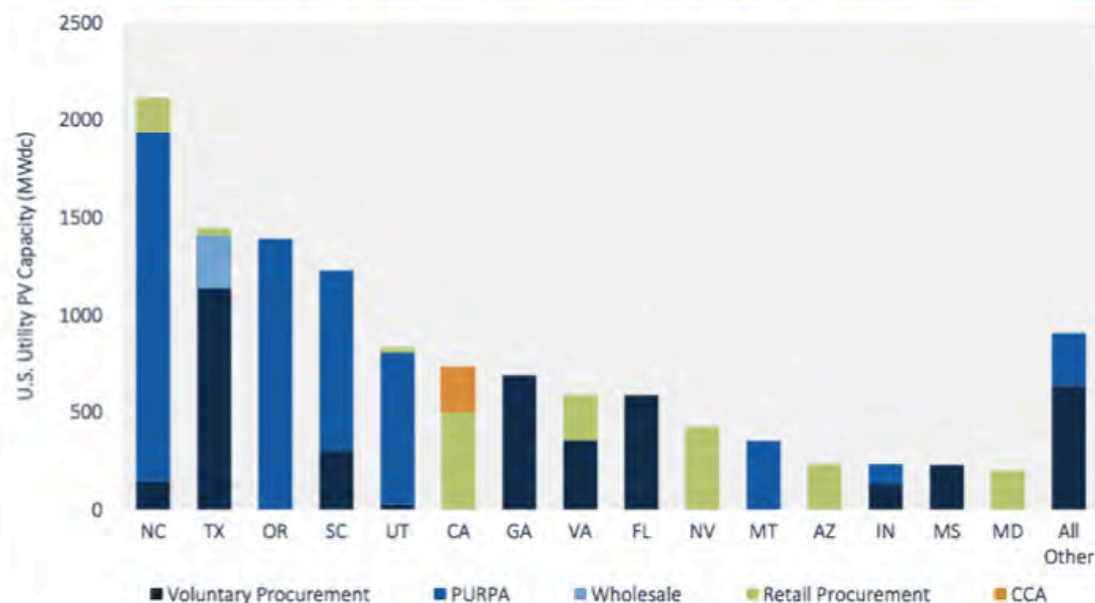
## Other solar drivers

- TX has 27 GW wholesale pipeline
- Community Choice Aggregation gaining steam in CA, NY, etc
- PURPA significant driver
- Voluntary procurement: GA doing GWs under avoided cost
- Google, Facebook, Apple: all have 100% renewable policies
- Community solar coming of age



VOTE SOLAR

Top State Markets for Utility PV Projects Outside of RPS Obligations in Development



GTM Research

# Adam Browning – Vote Solar

## Storage is the new solar



VOTE SOLAR

- CA: 1.2 GW storage pilot
  - Now incorporated into local capacity requirement procurement
- MA: 600 MW pilot
  - Study shows top 10% hours make up 40% of costs
- FERC: proposal for wholesale market incorporation



# *Driving Wisconsin's Renewable Energy Markets*

*Laura Caspari, SoCore Energy*

*Jeff Ripp, Public Service Commission*

*Jeanne Hoffman, City of Madison*

*Teran Smith, EDP Renewables*

*Doug Scott, Great Plains Institute, Moderator*



THANK YOU

