

# Local Government Summit

Building Sustainable Communities through Energy & Resilience

Alliant Energy

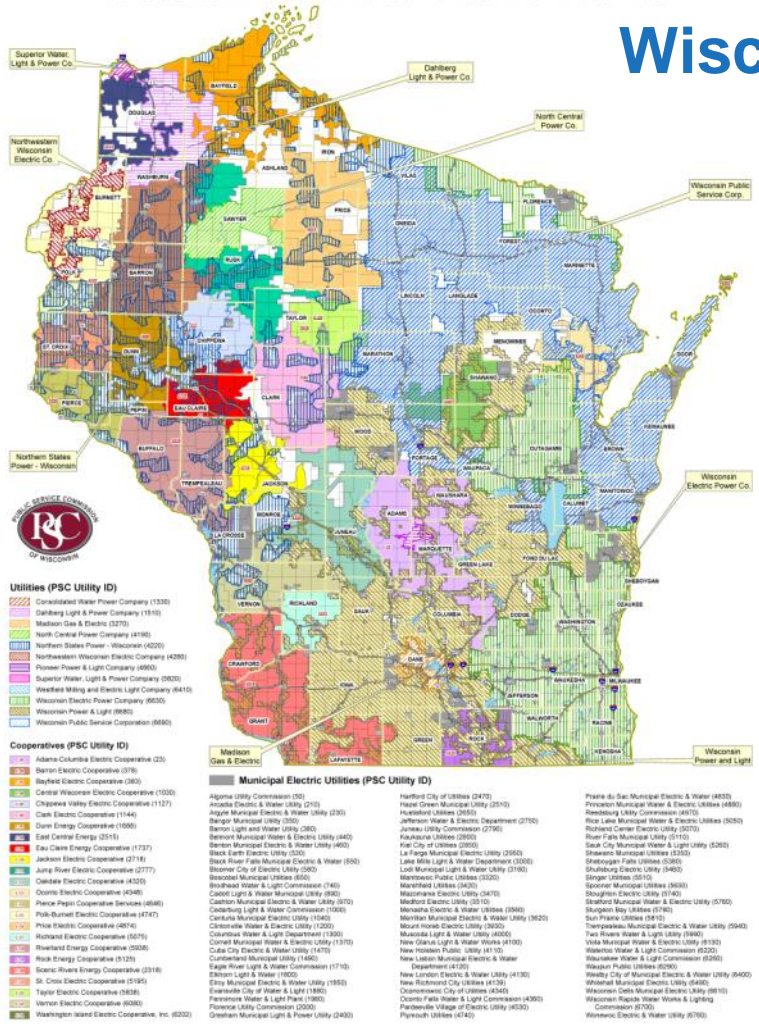
Taking steps forward to a cleaner energy future

April 5, 2017



# Wisconsin electric service territories

- Investor-owned
- Cooperatives
- Municipals



# Alliant Energy Wisconsin utility profile



## Wisconsin Service Area

- 17,000 square miles
- 35 counties
- 600 communities
- ~1,000,000 people

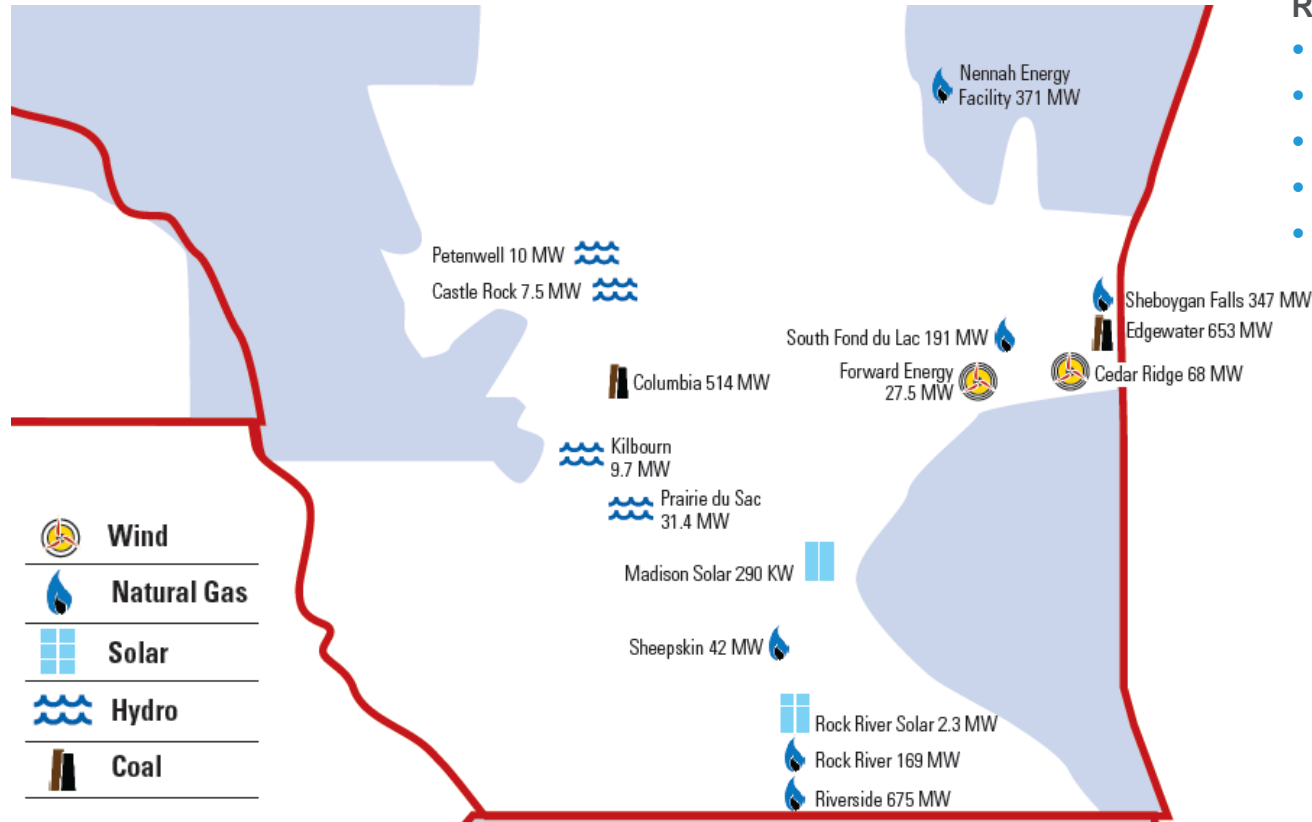
2016 data	Wisconsin
Electric customers	468,451
Electric distribution line (miles)	21,700
Gas customers	187,338
Gas main (miles)	4,430
Generating capacity (MW)	2,270

# Balanced energy approach

- Customers want cost-effective, reliable, and clean energy
- We're advancing cleaner energy through investments in natural gas, wind and solar
- To accommodate a changing energy mix, we're also making investments to modernize the power grid

# Wisconsin generating facilities

Owned or supported by Alliant Energy



## Recent / planned retirements

- Nelson Dewey 1 & 2 (2015)
- Edgewater 3 (2015)
- Edgewater 4 (2018)
- Rock River (2019)
- Sheepskin (2019)

# West Riverside Energy Center

- New natural gas facility
- Being built near Beloit
- 730 megawatt capacity
- Serve 560,000 customers
- In service by early 2020
- Replacing four coal units and several smaller gas units



**The new generating station will feature a 2-megawatt integrated solar field to partially offset its power use**

# Envision Award

- Seeking Envision Platinum Award for West Riverside Energy Center
- Sustainable rating system similar to LEED but for infrastructure projects rather than buildings
- Used in earliest planning phases to evaluate sustainability options that can result in significantly better outcomes





Madison Solar Demonstration Project

**Location:** Madison

**System capacity:**  
290 kW DC

**Objective:**  
Education / research



Rock River solar

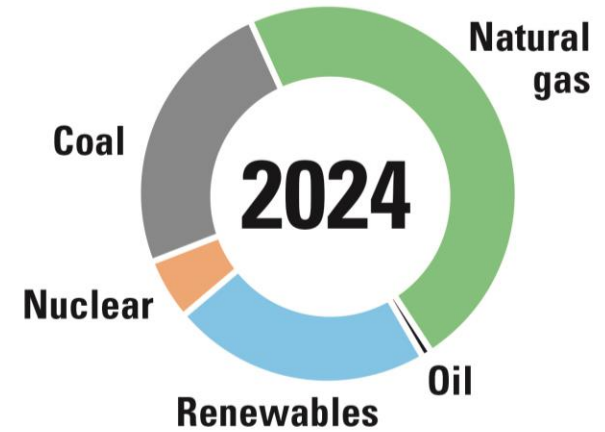
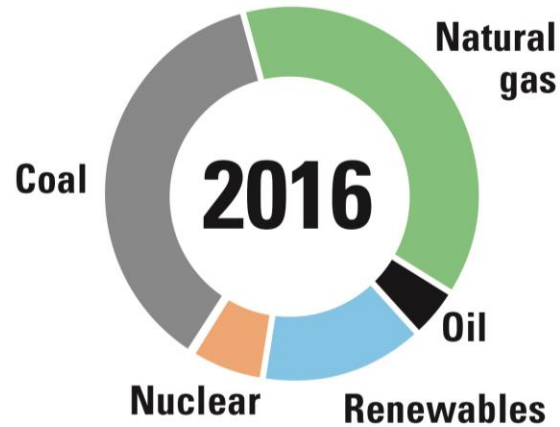
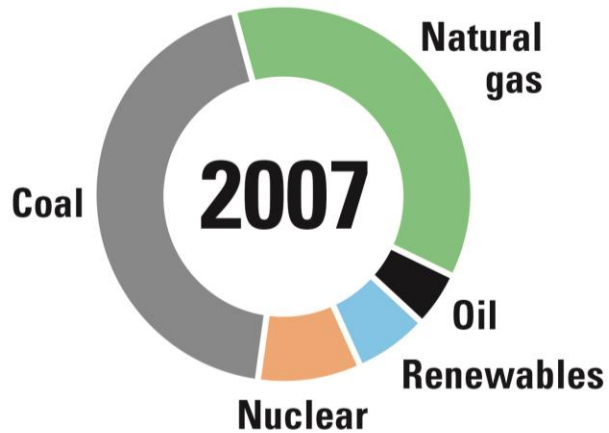
**Location:** Town of Beloit

**System capacity:**  
2.28 MW DC

**Objective:**  
Provide power to customers



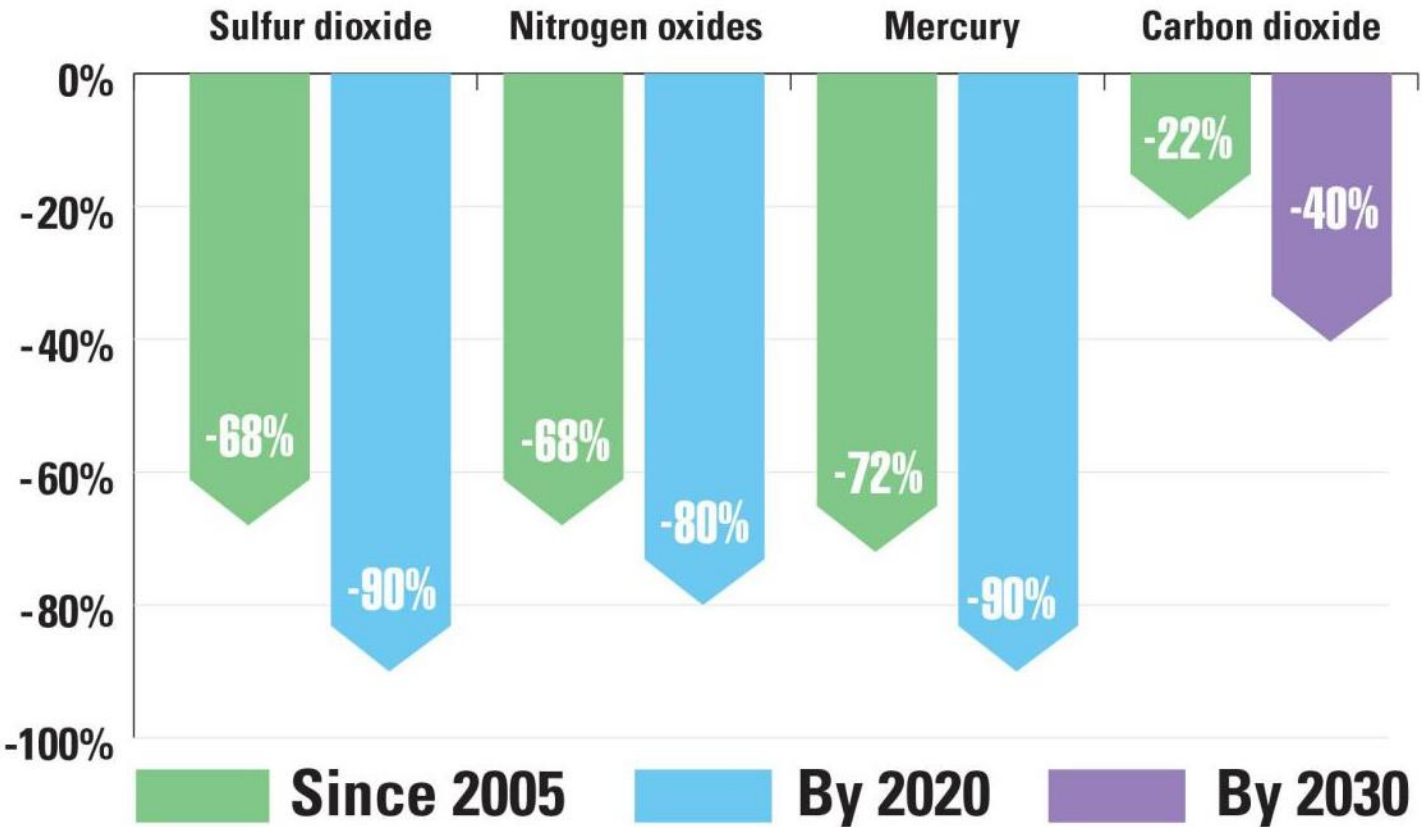
# Transitioning our Energy Resources



\*Based on rated capacity in megawatts

Data as of August 2016 *Sustainability Report*

# Reducing our Environmental Impact



Data as of August 2016  
*Sustainability Report*

# Second Nature Program

- Offsets conventional electricity usage with green power
- Offset 25%, 50% or 100% of your electric usage
- Cost of program cut nearly in half in January 2017
  - 100% of typical residential bill (700 kwh) would be \$10/month more

# Local Collaboration

- Ongoing energy audits at local government facilities
- LED street lighting phased in installation
- EV charging station partnerships being explored
- Economic sustainability
  - Job training
  - Customer retention
- Customer-focused operations

# Thank You!



# Appendix

# Available resources

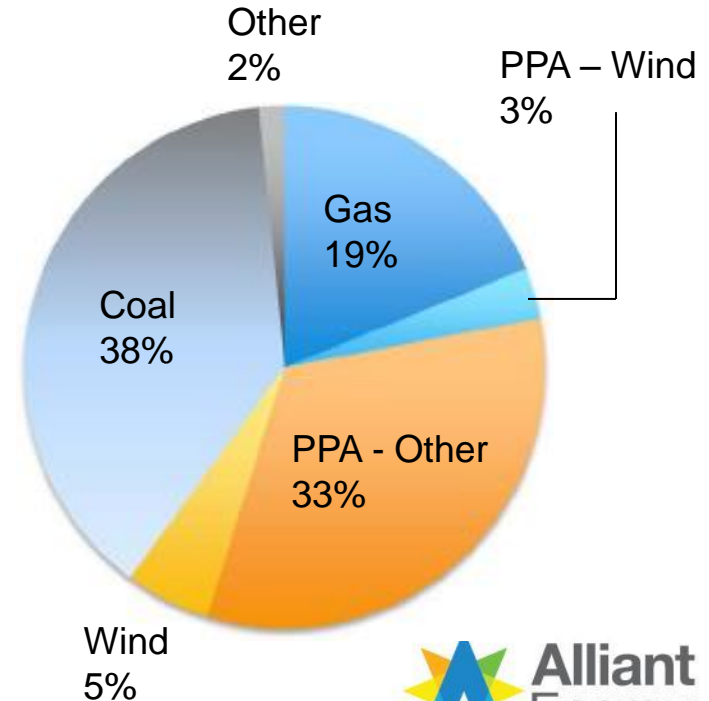
- Key account managers
- Renewable Hotline: 800-972-5325
- Business Resource Center: 866-255-4268

# Wisconsin renewable facilities

- Wind and Hydro
  - Cedar Ridge Wind Farm (Fond du Lac)
  - Kilbourn Dam (Wis. Dells)
  - Prairie du Sac Hydro
- Solar
  - Madison Solar Demonstration Project
  - Rock River Solar\* (Beloit)

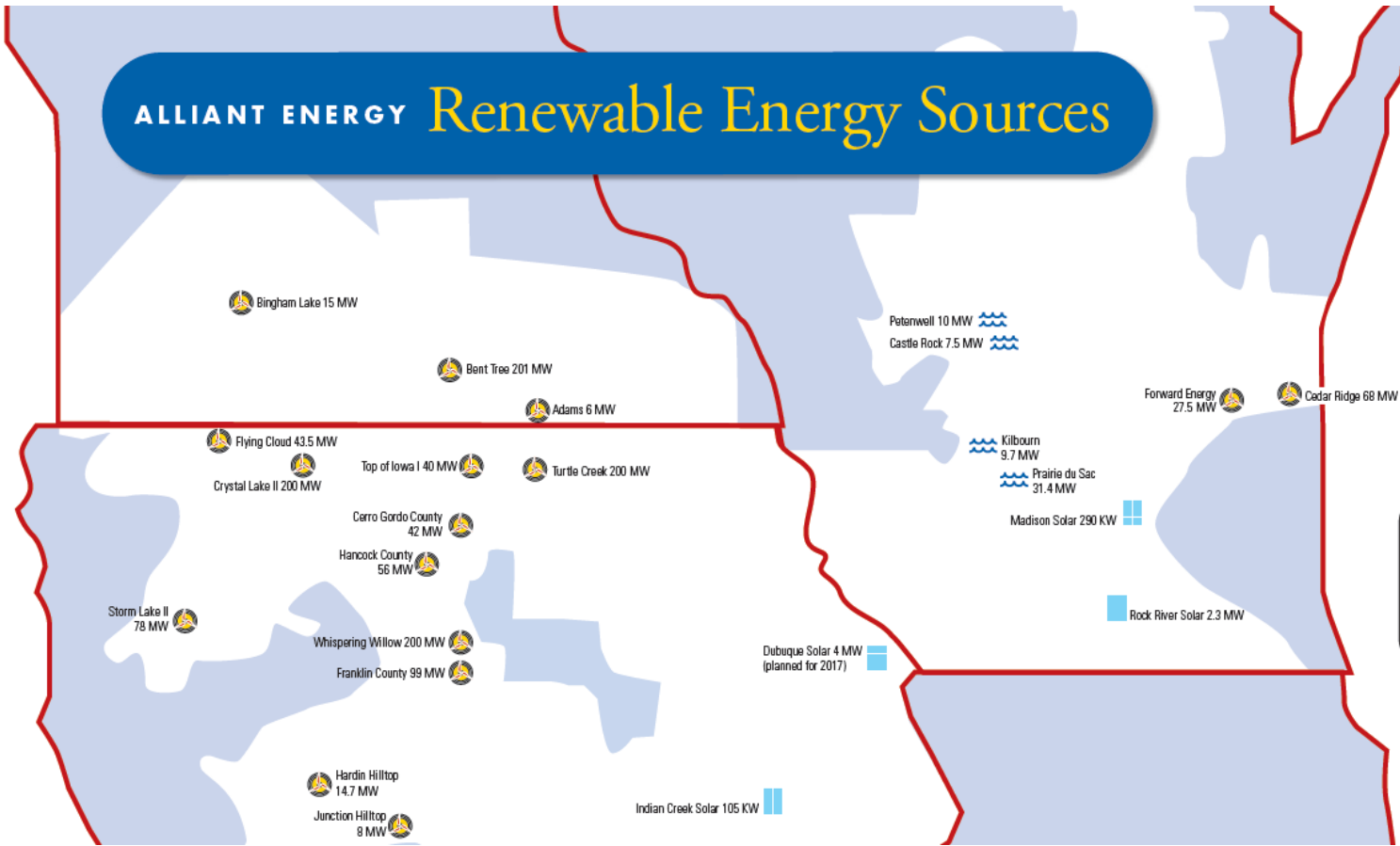
\* Alliant Energy purchases all the power from this project for our customers but does not own it.




## 2016 Wis. electric energy sources





# ALLIANT ENERGY Renewable Energy Sources



	Wind
	Solar
	Hydro

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