City of Monona

Map data ©2019 Google

- Population ~ 8000

- Land-locked by Madison

- City of Trees

- Very little to no vacant land

- Limited ability to produce renewable energy – *rely on utility (MG & E)*

City Progress on Energy & Resilience

- 2012: Became an Energy Independent Community - 25% by 2025.

- 2008-2013: Major energy efficiency projects on 5 City facilities

- **2013: Installed solar PV on 4 City facilities blazing the financing trail in WI for 3rd party contracting**

- 2015: Approved Monona's _Sustainability_ Plan (Energy, Transportation, Solid Waste, Water, Land Use, General)

- 2017: Joined the US Climate Mayors to take action toward the Paris Climate Accord

- 2018: Upgraded to LED lighting in 3 City buildings.

Madison Gas & Electric

- 151,000 customers
- 2016:
  - ➢ 12% Renewable
  - ➢ 48% Coal
  - ➢ 19% Gas/Oil
  - ➢ 21% Purchased (mixed fuel sources)

- *Green Power Tomorrow* (3% of customers, paying 1 cent more/kWh)
- *Shared Solar* – sold out (one time fee, fixed rate for up to 50% of use)

Madison Gas & Electric
Recent Commitments

- 30% Renewables by 2030:
  - ➢ Nov. 2017 – 66MW Wind Farm approval (Saratoga, Iowa)
  - ➢ May 2018 – Two Creeks and Badger Hollow solar (300 MW)
  - ➢ Expansion of Shared Solar – wait list

- Reduce Carbon by 40% from *2005* levels by 2030

- Partnership with Dane County for MSN array

2017 Sustainability Committee Focus

Given our limitations/challenges… Utility, space, $$

How can we expand the accessibility and our use of renewables?

Team Up!

- **Build a knowledge base – not a new wheel**

- **OEI planning grant with 6 surrounding communities**

- **Purchasing policies and actions (including vehicles)**

- **100% Clean Energy and Resiliency Resolution (joining surrounding communities)**

- ***Demonstrate Demand & Speak with One Voice to Utility***

City Operations

- 100% Resolution:
    - ➢ Accountability
    - ➢ Energy efficiency & renewable commitments
    - ➢ Intention to work with our utility & others
    - ➢ Includes resiliency
    - ➢ Expectation that staff, Committees, Commissions & Boards will adapt and/or build policies and ordinances in support
- Budgets/choices that reflect our priorities/values
- Fostering ownership and support by Council, Sustainability Committee & City staff

B to B: Businesses to Utility

- Business survey in concert with MESBA: baselines & interest

- Educational Tool Box

- Outreach (by team) and renewable installers

- Info for Plan Department

- Reflecting priority in development & redevelopment ordinances

- Pursuing opportunities for group buy & PACE financing, RECIP, Co-Op

Community Engagement

- In pursuit of 100% Resolution

- Adding voice *& enrollment* with Utility

- Resident survey: baselines & interest

- Educational Tool Box (e.g. GPT, FOE, etc.)

- Info for Zoning & Building Inspector (development & redevelopment)

- Integrating resiliency, efficiency & renewables into ordinances & programs (e.g. permeable surfaces, set-backs, RENEW Monona, FEMA $$, pocket neighborhoods)

- Pursuing opportunities for group buy, shared solar, co-op, community gardens, etc.