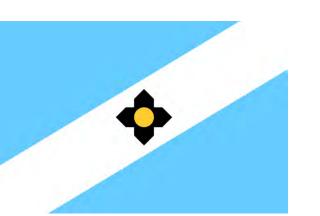


League of Women Voters of Dane County

Wednesday, Nov. 6, 2019











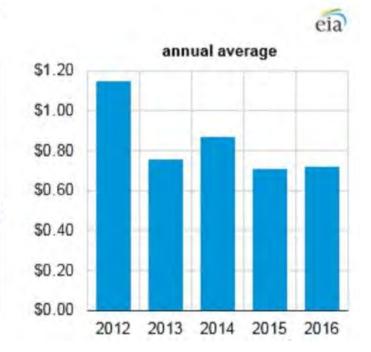
CARBON & ENERGY GOALS

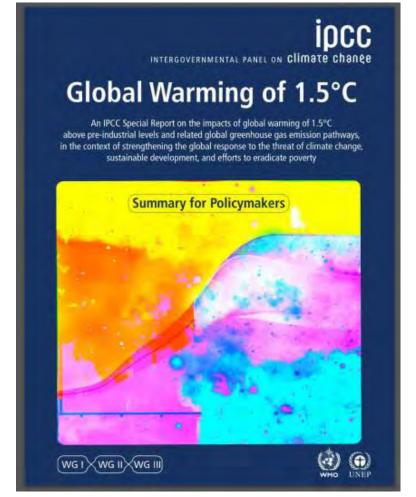
- Achieving an 80% carbon reduction by 2050
- Obtain 25% of electricity, heating and transportation energy from clean energy sources by 2025.



U.S. photovoltaic module shipment value nominal dollars per watt







https://report.ipcc.ch/sr15/pdf/sr15 spm final.pdf



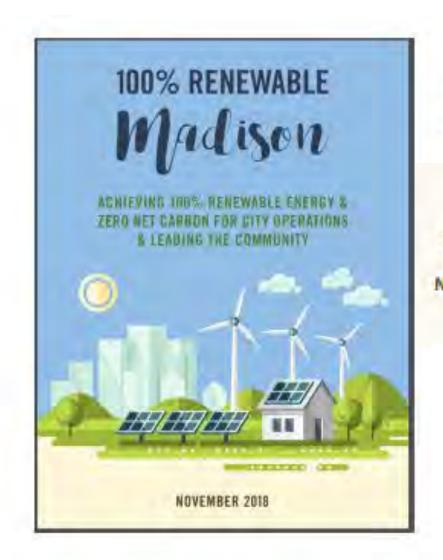
100% Renewable Resolution

"THEREFORE, BE IT RESOLVED, by the Common Council of the City of Madison that: The Sustainable Madison Plan must reflect scientific consensus and community aspirations and establish community-wide Energy and Carbon goals of 100% renewable energy and net-zero carbon emissions, within a time-frame that aligns with sound and established science, as official energy and carbon goals of the City of Madison;"



Photo by Master Electrician Jeremy Smith Courtesy of the City of Madison Engineering Division







https://madison.legistar.com/View.ashx?M=F&ID=7072081&GUID=1129163D-F7C1-41D8-9694-AA9EFFCA66FF







SCENARIO 3- 2030

To cut carbon emissions by 55%, the city will implement <u>demand reduction</u> measures including:

- Building efficiency
- Street light efficiency
- Water distribution system optimization

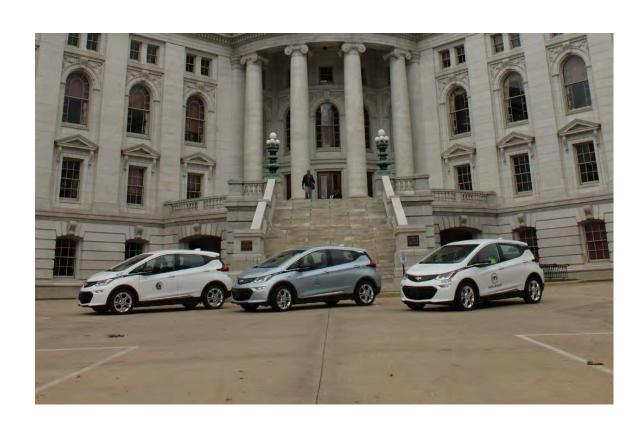


SCENARIO 3- 2030

To increase generation of <u>renewable energy</u> at city facilities to 25% of its electricity use, the city will complete:

- Phase 1 and phase 2 of its solar selfgeneration plan
- Continue to work with local utilities to implement at least one utility scale solar project.
- Investments in RECs and carbon offsets will make up the remaining 45% of the carbon balance.





SCENARIO 3- 2030

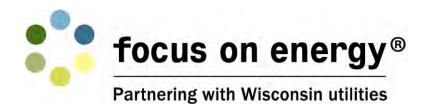
The city will reduce carbon emissions from <u>transportation</u> measures by implementing:

- Green fleet strategies
- Fueling with landfill CNG
- Electrifying fleet vehicles
- All Metro Transit buses are electric buses in this scenario





HOW CAN YOU CONTRIBUTE?









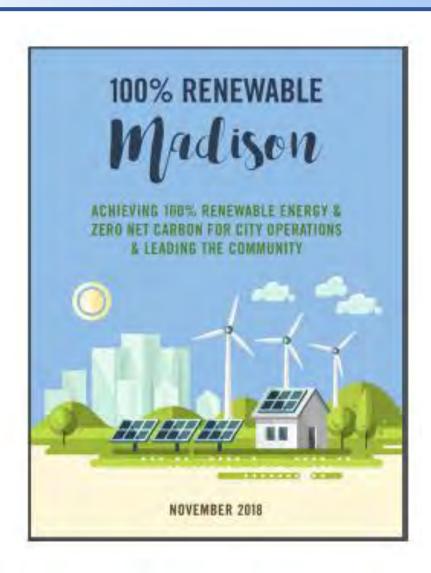








Madison Sustainability



HOW CAN I CONTRIBUTE TO MADISON'S 100% RENEWABLE ENERGY GOALS?



Call or email your alder to let them know you support the City's 100% renewable energy goal for city operations and leadership for the greater community



Reduce your energy consumption

- •Replace incandescent lights with LEDs
- •Install a smart thermostat and schedule your residence's HVAC system
- •Enroll in the Focus on Energy Assessment Program
- •Work with your employer to join Sustain Dane's MPower program



Explore solar PV for your residence or workplace through the MadiSUN Solar Group Buy Program



Sign up for MGE's Shared Solar program or Alliant's Second Nature program



Decide if you can save money through MGE's Time of Use rate or Alliant Energy's Time of Day Pricing program



Vote for elected officials that support clean energy policies



Support organizations that lobby for state and federal policies that accelerate the transition to 100% renewable energy



Purchase voluntary RECs or carbon offsets











Capital Budget

The capital budget provides funding for the City's major construction projects including building new facilities, improving our transit system, maintaining our roads and parks, and purchasing major equipment. The Capital Improvement Plan lays out anticipated projects for the next five years.

Developing the 2020 Capital Budget











Apr. 17, 2019

Agency Requests

May 17, 2019

Executive Budget

Sept. 3, 2019

Finance Committee
Hearings

Sept. 9 - Sept. 10

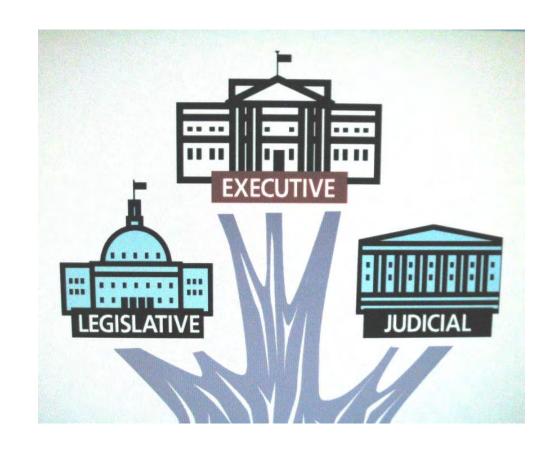
Council Adoption

Nov. 12 – Nov. 14

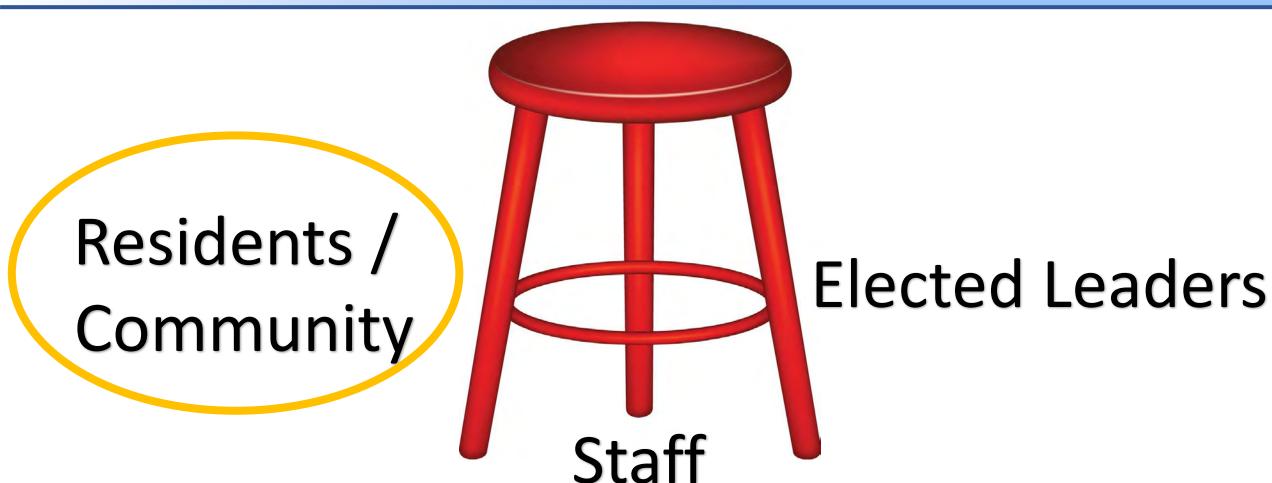


Governance Challenges:

- Utilities as Energy Providers
- Energy Markets & Regulatory Framework
- State Legislative Framework
- Federal Landscape
- Global Compacts

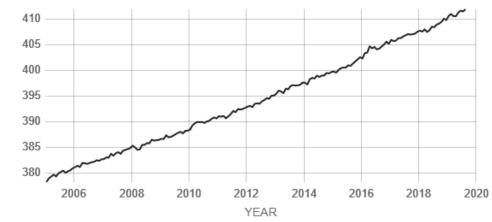




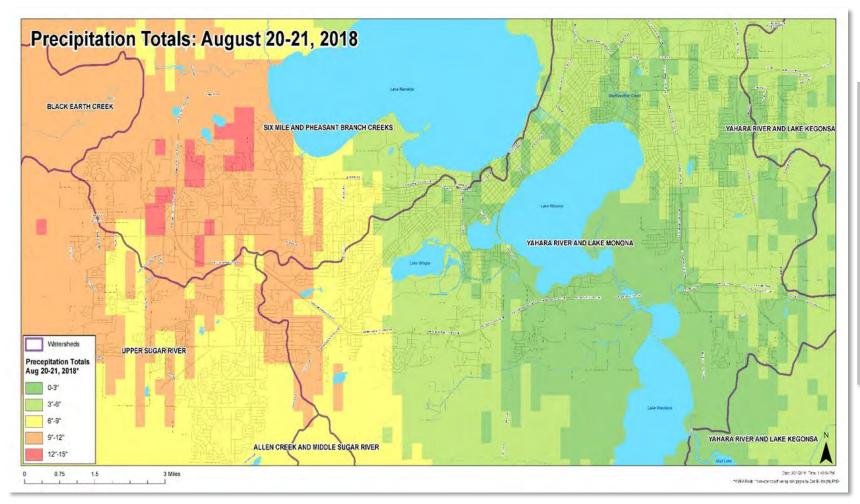


Madison Sustainability





Source: climate.nasa.gov









Dane County collaborative to join forces against climate change

By Abigail Becker Aug 16, 2019 2 1 min to read



Members of the new Sustainability Leaders Collaborative from 23 cities, towns and villages stand together on the steps of the Madison Municipal Building, 215 Martin Luther King, Jr. Blvd.

SUPPORT LOC. JOURNALISM:

Become a Cap Times men great benefits

PRINT ADS



Oct 16, 2019

The officials met Thursday, August 15th for the first time and agreed to create four working groups to collaborate on ideas moving forward:

- 1. Solar development
- 2. Renewable Fuel Usage for Municipal Fleets
- 3. Energy Efficiency/Sustainability for Facilities
- 4. Green Infrastructure to Manage Runoff from heavy rain events



THANK YOU! - Q & A



Source: Jeanne Hoffman



Source: RENEW Wisconsin

Stacie Reece

Sustainability Program Coordinator Engineering Division 210 MLK, Jr. Blvd. CCB Room 115 Madison, WI 53703-3342 sreece@cityofmadison.com 608-261-9823