

Ready for 100

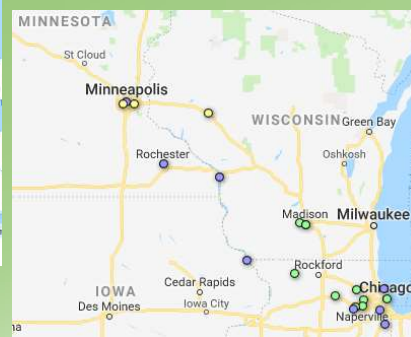
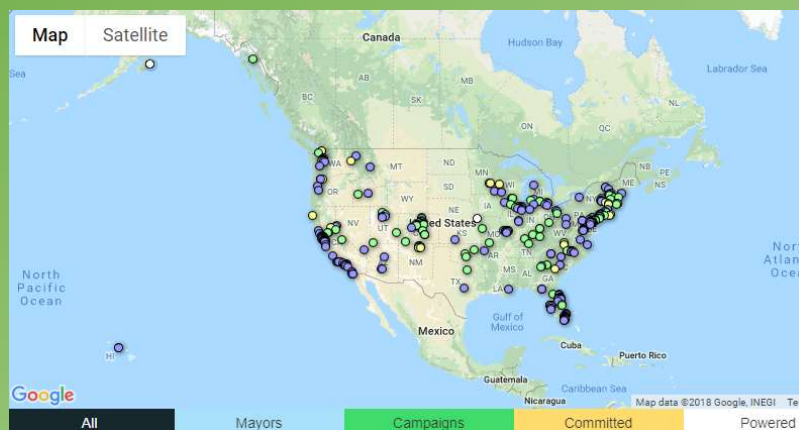
Coulee Region Sierra Club



Ready for 100% (renewable energy, that is)

- “a movement of people working to inspire our leaders to embrace a vision of healthier communities powered by 100% clean energy. We are asking mayors, CEOs, pastors, principals, civic and community leaders, parents and students to commit to solutions that help us achieve 100% clean, renewable energy across the United States by the year 2050.”
- Sierra Club has been involved in energy issues since defending the Clean Air Act in the early 1970s and advocating for legislation promoting energy conservation in the mid-1970s. In 2007, encouraged Congress to pass a Renewable Energy Standard that required utilities to produce 15% of their power from renewable energy by 2020.

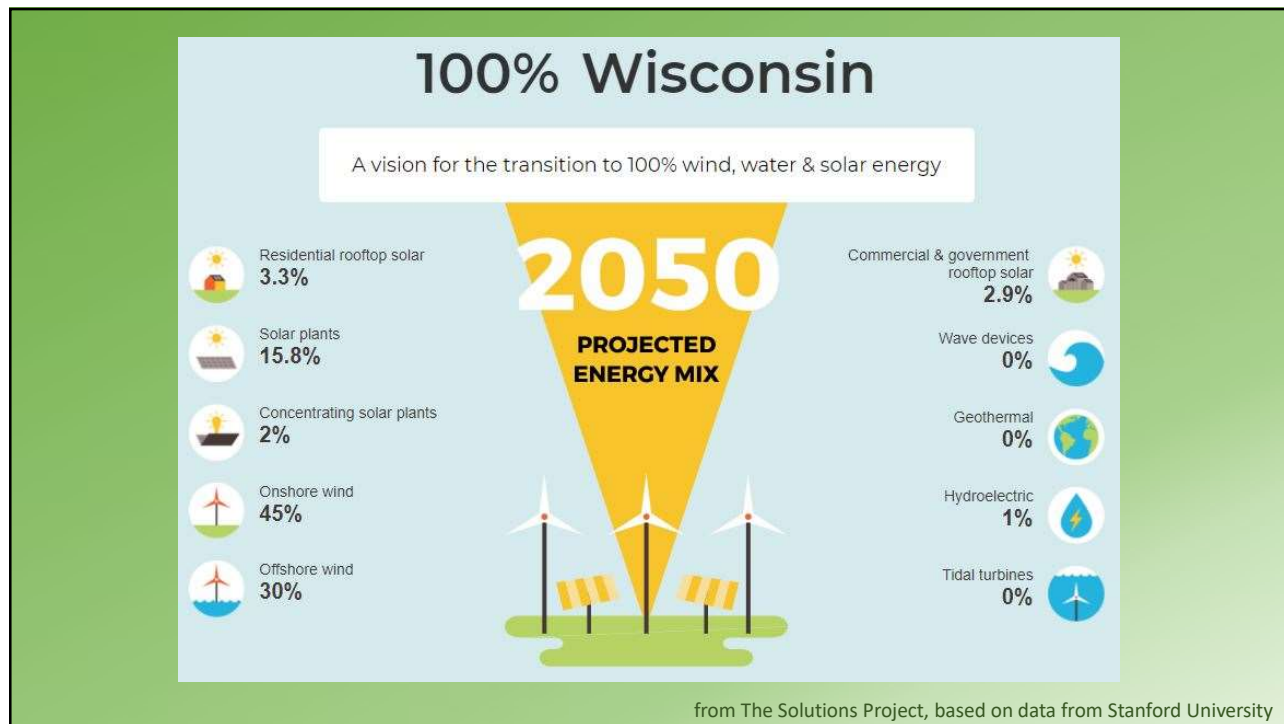
206 mayors, including Mayor Kabat, have signed the program's 100% renewable pledge



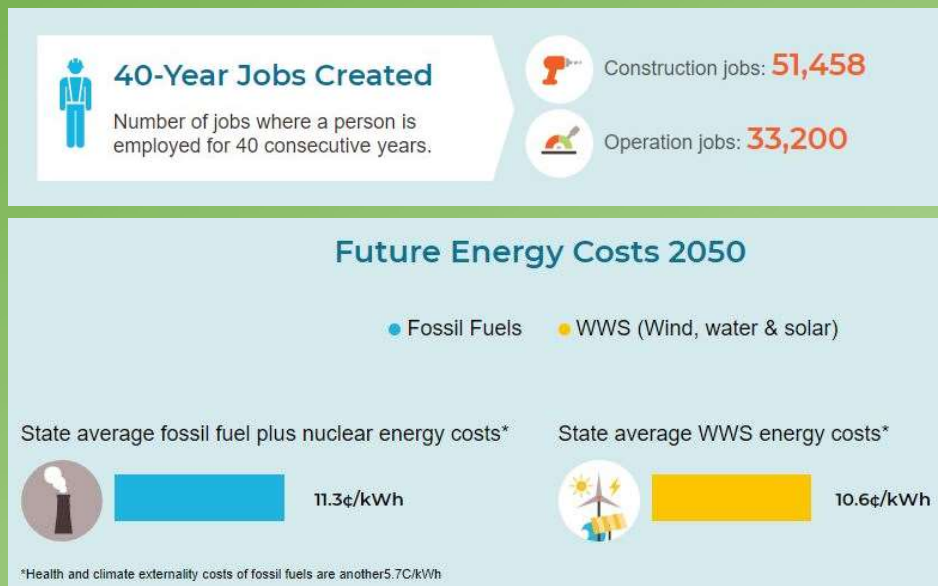
Five ways you can tell the U.S. is Ready for 100:

- 55 countries already get over half their electricity from renewables – including Brazil, Canada, & Norway – and 20 of these are between 85% and 100% already.
- The country of Costa Rica plans to achieve 100% renewable energy by 2021. The state of Hawaii has committed to getting 100% of its energy from renewable sources by 2045 and California has passed legislation to be at 50% renewable energy by 2030.
- The technologies already exist. It is only entrenched special interests standing in the way.
- Stanford researchers have released a detailed plan showing how to make 100% clean energy a reality, including state-by-state calculations.
- Corporate HQs of leading U.S. businesses like Intel, Apple, Kohl's, & Boeing already get 100% electricity from clean sources.

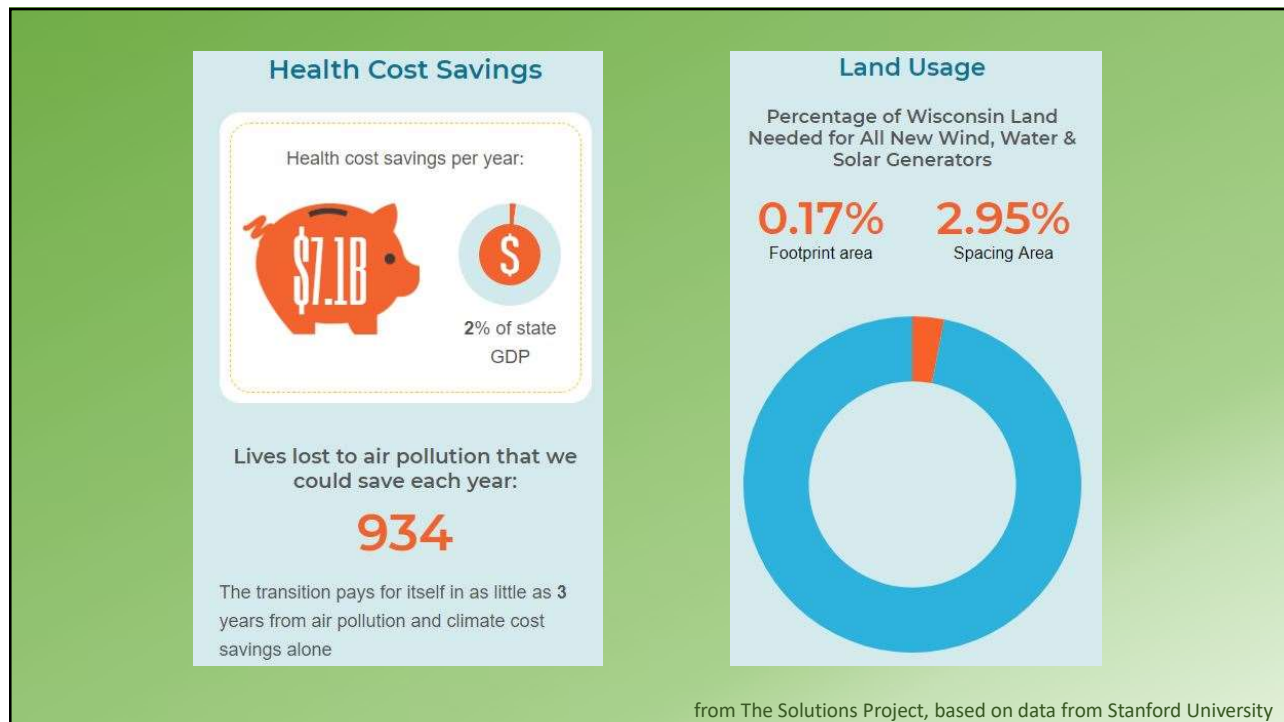
<https://www.sierraclub.org/ready-for-100/about-our-program>



Benefits of a 100% Renewable Transition...



from The Solutions Project, based on data from Stanford University



What's Next??

- Brainstorm – be creative!
- Research – what's working in other cities?
- Offer suggestions and support



City and County Resolutions Supporting 100% Goal

Madison approves 100 percent clean energy goals, up to \$250,000 for consultant

Breckenridge commits to being completely powered by renewable energy by 2035

Moab commits to 100% renewable energy by 2032

Portland, Multnomah County commit to using 100% renewable energy by 2050

Atlanta makes ambitious commitment to 100 percent clean energy by 2035

Orlando commits to 100 percent renewable energy citywide by 2050

Aldermen pass resolution for St. Louis to pursue 100 percent clean energy by 2035

Investigate costs of putting solar on city- and county-owned buildings

- Parking ramps, La Crosse Center, law enforcement center, city hall, public library, schools (great learning opportunity!)
- City of Madison has solar at two landfills, on a library, an engineering services building, and a municipal parking lot canopy; Dane County is putting solar on the Alliant Energy Center and is exploring installing 30 acres of panels at the regional airport.



Investigate vehicle calibration software to reduce city vehicles' fuel use

- “Dakota County, Minn., fleet vehicles saw an 8% average drop in fuel consumption in its fleet vehicles that were installed with Derive Efficiency's vehicle calibration system.”
- “Depending on fuel prices, Dakota County's fleet can save anywhere between \$25 to \$70 per vehicle, per month...Schlangen predicts that Dakota County will see a return on its original investment of six to 18 months, depending on the utilization and project assignment of each vehicle.”
- System has also been successful in Ontario, CA, and several cities in Florida.

Improve efficiency of wastewater treatment plant and explore biogas options

- Wastewater treatment plants are energy intensive, but the organic matter in wastewater contains up to five times as much energy as the treatment plants use.
- Anaerobic digesters can be used to generate methane gas from wastes, which can be captured and used to produce electricity or even to power vehicles. Currently in use in Gresham, OR, Grand Junction, CO, Baltimore, and Chicago.
- Focus on Energy offers feasibility study grants for municipal biogas projects, including installing new on-site anaerobic facilities.

Suggestions? Feedback?



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