



WISCONSIN'S ROADMAP TO NET ZERO BY 2050

There is a pathway for Wisconsin to achieve a net-zero future within a generation.

about the study

New detailed energy and economic modeling shows Wisconsin can cost-effectively transition to net-zero emissions by 2050, reaching a point where we emit no more carbon into the atmosphere than can be removed.

According to a new study, reaching net zero by 2050 will require aggressive action at virtually every level, from the rapid deployment of clean energy resources like wind and solar to the development of new technologies and expanded transmission. But the benefits of these large-scale investments in Wisconsin are far-reaching.

benefits

- \$2-4.4 billion in avoided healthcare costs in 2050.
- 28 to 63 fewer deaths per million people from air pollution in 2050.
- Growth in Gross State Product by approximately 3%, adding around \$16 billion to Wisconsin's economy and 68,000 additional Wisconsin jobs.
- Lower out-of-pocket costs for fuel and energy.
- An astounding reduction in greenhouse gas emissions—some 122 million metric tons by 2050.

how we get there

1

RETIRE COAL BY 2035 OR EARLIER

2

ELECTRIFY BUILDINGS AND TRANSPORTATION

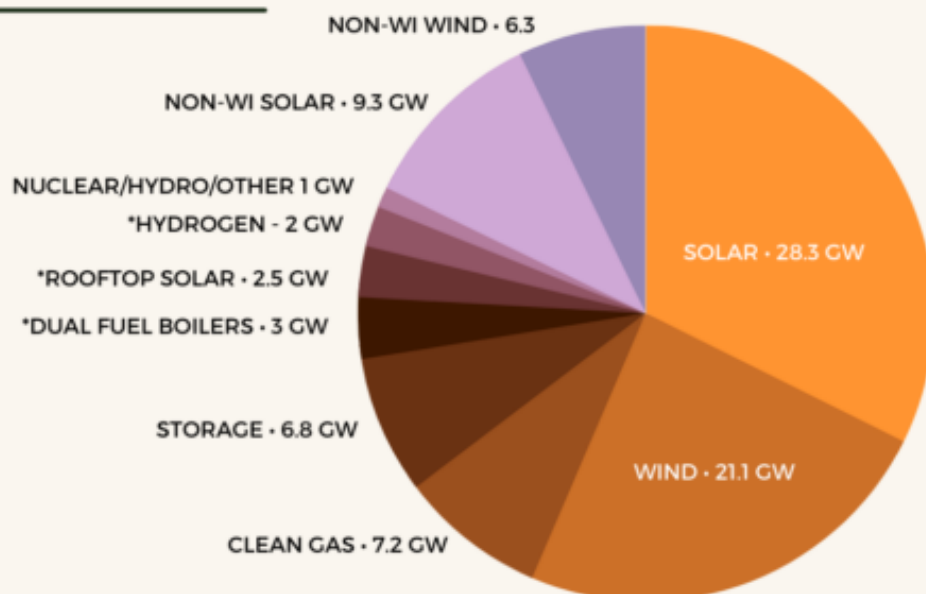
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DEPLOY SUBSTANTIAL NEW CLEAN ENERGY RESOURCES

The results of the modeling show a feasible zero-carbon future by 2050, but one that will require collaborative planning, supporting policies, and investments across the economy.

2050 resource portfolio

In order to achieve a carbon-free future, existing fossil fuel generating capacity will need to be replaced with clean energy resources and clean energy capacity will need to expand to serve Wisconsin's electricity needs by 2050. When Wisconsin decarbonizes the transportation, building, and other sectors, electricity use will increase over 160% by 2050.



*Most dual-fuel boilers, hydrogen, and rooftop solar resources would be behind the customer's meter.

the cost

Achieving net zero economy wide will take major investments in clean energy infrastructure, electric transportation, and electric heating systems for buildings. But those costs are offset by dramatic avoided fossil fuel and health costs.

Project Team for this study consisted of RENEW Wisconsin, Clean Wisconsin, GridLab, Evolved Energy Research, and Cambridge Econometrics.

The release of the Zero Carbon Study is just the start of a dialog on how Wisconsin can get to zero carbon emissions by 2050. The Project Team is further collaborating with partners, businesses, legislators, and state and local government officials on the next steps. For more information, please contact Andrew Kell, Policy Analyst at RENEW Wisconsin, at andrew@renewwisconsin.org.

VIEW THE REPORTS AND LEARN MORE AT RENEWWISCONSIN.ORG/NETZEROWI

