

Green Energy Glossary

Ann Arbor Energy Challenge: Ann Arbor's plan to move City operations to 30% green energy by 2010 and the whole community to 20% green energy by 2015.

Biodiesel: Diesel-type fuel made from soy or other vegetable oils. Blends up to 20% (i.e. B20) can run in any diesel engine with no modifications.

Ethanol: Grain alcohol that is used as an alternative to gasoline. Any gasoline engine can run up to 10% (E10), but only flex-fuel vehicles can run higher percentages (such as E85).

Landfill Energy: Decomposing waste in landfills produces a gas similar to natural gas, which can be burned to generate electricity or directly as a replacement for natural gas.

Photovoltaic (PV): Panel (typically made of silicon) that generates electricity from sunlight.

Solar Water Heating: Water or another fluid circulates through a panel, where it is heated by the sun's rays. Often used to preheat water going into a water heater or fed directly into a pool

Wind Turbine: Spins and generates electricity when the wind blows. Blade sizes range from 5 to 200 feet long.

About the Energy Commission

In 1981, Mayor Louis Belcher created the Mayor's Energy Advisory Board, which became the Energy Commission in 1985 and was charged to:

- Oversee energy-related City policies and advise City Council;
- Report on recommendations to improve municipal and community energy efficiency;
- Prepare, adopt, amend and transmit to City Council plans identifying municipal and community-based energy efficiency and production projects;
- Research, formulate, and oversee community education programs; and
- Identify and make recommendations regarding energy project financing options.

In 2006, Mayor John Hieftje challenged the Energy Commission to come up with a strategy to move Ann Arbor into a renewable energy future.

To Learn More or to Join the Energy Challenge:

Visit www.a2gov.org/energy or contact the Energy Office at energy@a2gov.org

Ann Arbor **Green Energy Map**



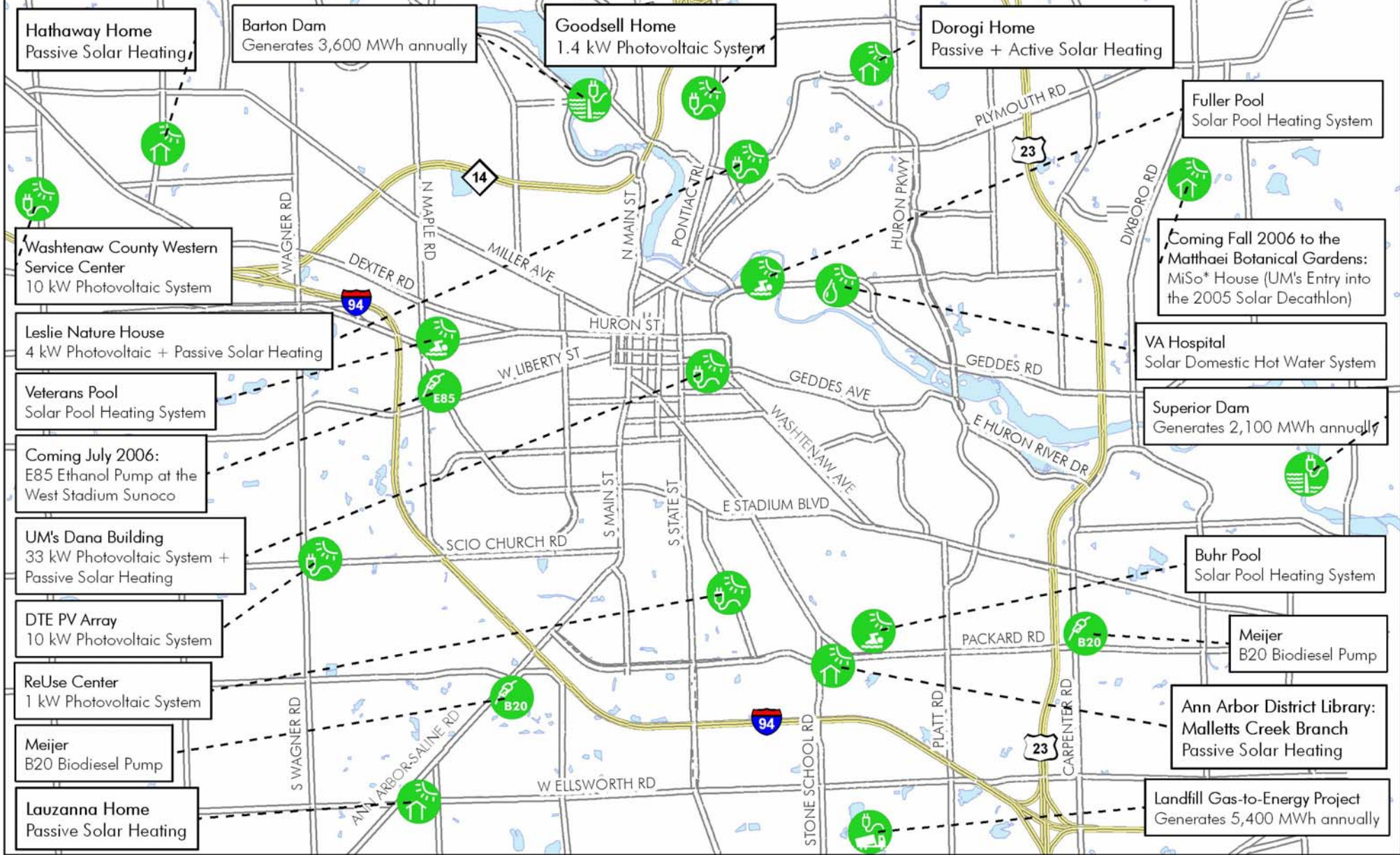
A Guide to Renewable Energy Projects in the Ann Arbor Area

Brought to you by the Ann Arbor Energy Commission and Ann Arbor Energy Office





Green Energy Map of Ann Arbor



0 0.25 0.5 1 1.5 2 Miles



Solar Pool Heating



Solar Home



Hydropower



Photovoltaic



Solar Water Heating



E85 Ethanol Pump



Landfill Energy



B20 Biodiesel Pump

Major Streets
Water

Created June 14, 2006 by Andrew Brix
Data from City of Ann Arbor