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ARE RENEWABLES RIGHT FOR ME?

Michigan's most common applications are:

- Wind/Electric
- Solar/Electric
- Solar/Thermal/Water Heat

	System cost thsnds	Pybk yrs	Life yrs	Difficulty of installation
Wind	\$8-\$19	8-10*	15-20**	Most involved of the three
Solar	\$16-\$30	15-20*	20-30**	Moderate-project level
Thermal	\$2.5-\$4.0	4-6*	20-30**	Easiest

* based on current utility rates. **may require maintenance or replacement of system components.

WHAT DO I NEED?

Wind

- township & utility permits
- at least ¼ acre of land
- a viable wind site
- no tall objects within immediate area
- cement, trenching, AC hook up

Solar Electric

- township(?), utility permits
- south facing roof top or
- unobstructed southern view
- conduit, AC hook up trencher possible

Solar Thermal

- south facing roof top or
- unobstructed southern view
- plumbing, electrical, carpentry possible

RENEWABLE ELECTRICITY

~ Basics ~

Sizing Your System The average* home uses 12-18 kilowatt hours per day. Review your electric bill for average use and rates. Notice any 'penalty' rates you may be paying.

To Store Or Not to Store? Wind and Solar may come be used to charge batteries. The system replaces gas powered generators during blackouts. Systems can also use the grid as your 'battery'. They are less costly but and will not function during blackouts.

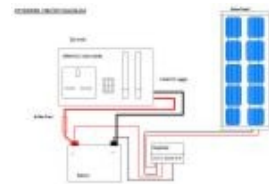
Upgrades from utility tie to battery powered are available. Just be sure you let us know up front that you want this option



Michigan's Wind Resources

Our climate provides many excellent wind sites, particularly near the Lakes. Wind is the fuel of choice for most Michigan residence.

Wind systems are designed to meet 30-40%, 40-60% or 75-95% of the *average household. Wind is also available for Boats, RVs and remote sites. Individual performance depends on your site & tower height. Tower's are available in 34, 40, 60, 80 and even 100+ feet.



Solar in Michigan? Our long summer days and bright snowy conditions provide more solar energy that many residents realize. Solar electric is extremely convenient. Homes, RVs, Boats, remote sites, cabin systems, security lighting power are just a few examples

Solar & Electric Together! A hybrid system is perfect for Michigan's varying weather conditions. Many users begin with a turbine installation and then add solar capacity over time. Solar panels are very modular and can be added in even numbers. Let us know up front if you plan on added additional capacity so we can properly design your system.

How Does Event Horizon Fit Into Your Renewable Energy Plans?

For 10 years, Event Horizon Solar and Wind has helped Michigan residents realize their dream of independent power. We provide design, sales and customer service. We can install your equipment, with the help of some contractors, or we can provide the information you need to do your own installation.

Solar Thermal

- Often overlooked, solar thermal has the lowest cost/fastest payback of all renewable systems.
- Solar water heating is a great place to start converting to free-fuel systems.
- Hot water use is about 30% of total heating costs
- Hot water use is consistent throughout the year. This means you can exploit the very long days in summer.
- Water makes an excellent heat storage material, so even if the sun only makes an appearance every few days, your system will stay warm.
- Tanks can charge with just a few hours of sun.
- Solar collectors are designed for roof mounting. A good southern facing roof space is a great money saving asset.
- Solar water heat can be used with base board and radiant floor heating for space heat.
- Air heating systems are also available for direct space heat.

The fluid used in this system is a mixture of distilled water and antifreeze similar to that used in automobiles. This type of fluid freezes only at extremely low temperatures so the system is protected from damage caused by severe cold.

