

Solar Economics

1. Determine electrical use in **kWh per year**
 - Will this change? (EE. . . EV's ?? Geothermal ??)
 - Set a goal for solar generation (consultation, if needed)
2. Factor this **kWh/year** target by the amount of annual sun at your location (average of all 12 months)
 - In Michigan, Fixed-Position Solar PV factor is close to 1.25 x Watts of PV (LESS if shade, MORE if your solar array “tracks” daily passage of sun)
 - For example, if 5000 watts PV are installed in OPEN south-facing MI place, a fair estimate is that it will produce x 1.25, that is, **6,250** kilowatt hours of electricity (kWh) per year.
3. What is \$\$ value of this annual OFFSET ?
 - Utility's rate? Net Metering, other factors?
4. What is best price/cost for quality install ?
5. “GO” or No Go decision.
6. Triple Bottom Line: savings, people & planet,

