

Team Solar Ice: Cooling a Warming World

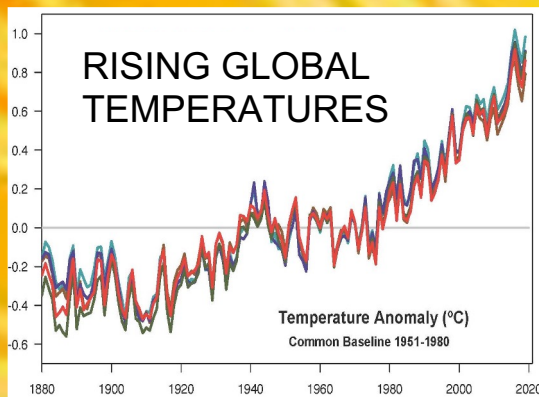
“The hotter it is, the colder it gets!”



U.S. DEPARTMENT OF ENERGY

The demand for electricity for cooling is rising with global warming. Absorption cooling uses heat instead of electricity to power a refrigeration system. This technology can be used to cool buildings and we will show that it can even make enough ice for an ice rink, adding **zero** load to the power grid.

We can take **this**



Compressor systems are being pushed to the limit and ice rinks currently pay up to \$300,000 per year for electricity.

Our demo unit making ice in the summer heat

and use **this**



to produce **THIS!**



Our solar thermal absorption cooling system will provide huge benefits:

- Reduces ice rink energy cost by nearly 80%
- Eliminates load on the power grid
- Remains reliable in hot, humid weather
- Quiet (no compressor noise or vibration)
- Heat by-product can be used for heating needs.