



## SOLAR HOT WATER FACTS

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- Most Heliodyne solar hot water systems will pay for themselves within 10 years
- Payback is likely to be sooner as the inflation of conventional energy costs increases at a faster pace
- Many tax incentives and rebates are available from both the Federal and State governments
- A typical residential system for a single family home can be installed in 1 or 2 days
- Very little maintenance is required during the life of Heliodyne systems
- A Heliodyne System will usually save owners hundreds of dollars annually on their water heating bill
- Solar pool heating is the most economical way to heat a pool and extend the swim season. More specifically, using a glazed solar collector (such as the Gobi collector) is the only feasible option to have year-round pool heating, particularly for larger public and commercial pools.
- More than \$13 billion is spent on energy for home water heating in the U.S.
  - Equivalent to 11.4 barrels of oil per American home
  - Equivalent to an average automobile being driven 12,000 miles per home
- Conventional water heating accounts for over 30% of CO<sub>2</sub> emissions from the typical American home
- There are over 100 million water heaters installed in the U.S. Approx. 50% are electric, and 50% gas, providing a huge untapped potential for solar hot water
- Solar thermal energy is free and can usually provide up to 80% of the annual energy to heat domestic hot water
- A solar hot water system significantly reduces a home's CO<sub>2</sub> emissions by up to 30%
- Solar thermal is the most financially feasible renewable source for hot water and space heating
- Over 1.5 million American homes have had solar hot water systems installed
- Solar energy is the most abundant energy source on our planet



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