

# Solar Water Heating



- Tried and true technology - has been used for decades
- Far less costly than solar electric installations
- Potential for significant governmental grants and tax benefits

# Components of Solar Hot Water Heaters

- Solar collectors on roof
- Heat exchanger
- Hot water storage tank
- Controller
- Pump
- Pipes and wiring to interconnect the system

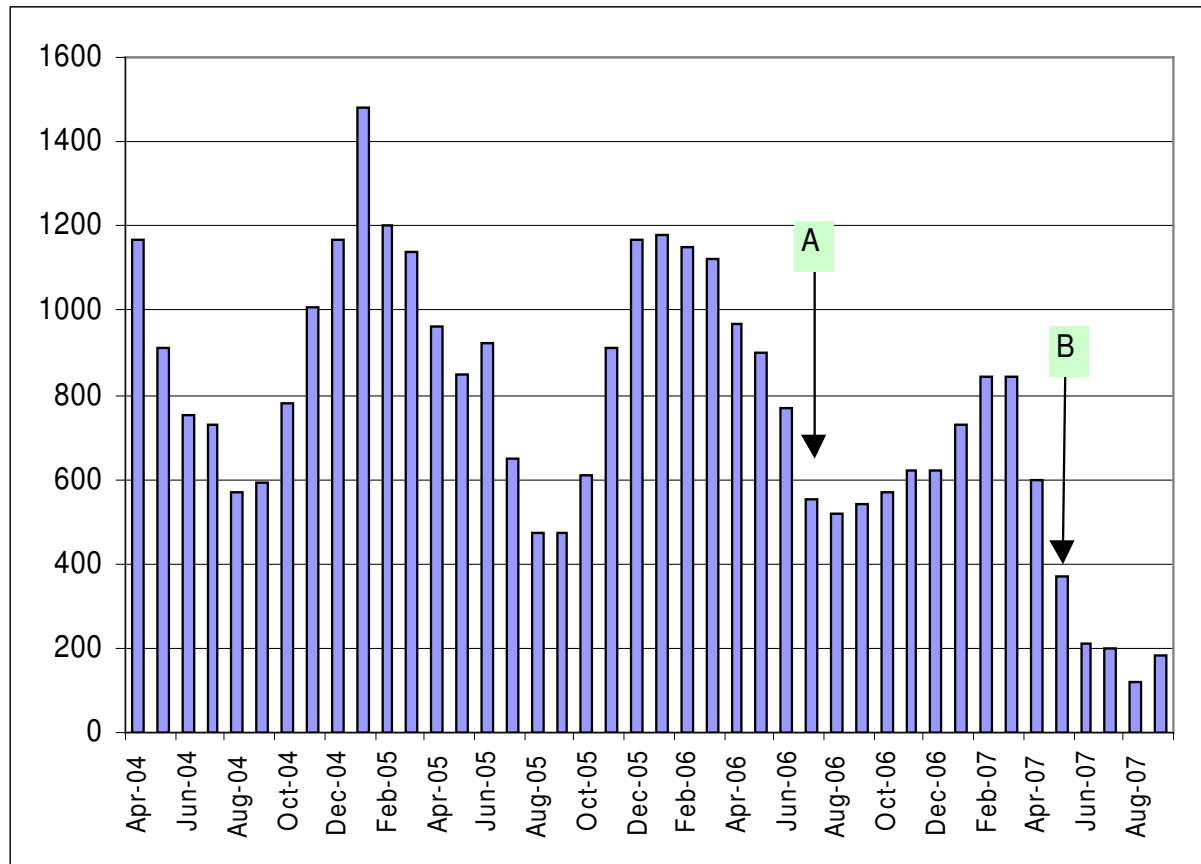


# Investment Analysis Example for Solar Hot Water System

## *Small apartment house example*

Total Investment Cost	\$11,383.00	
State Energy Grant	\$1,928.94	
Federal Tax Credit	\$4,808.00 (Not all realized for 2006)	
Net Cost	\$4,646.06	
Baseline Energy Usage	880 kWh	2004-2005
Average Current Energy Usage	300 kWh	2007
Savings per month	580 kWh	
Cost / kWh	\$0.17	
Monthly Savings	\$98.60	
Months / year	12	
Annual Savings	\$1,183.20	
Payback Interval	3.93 years	

# Importance of Commissioning



A

System Installed

B

Issues Resolved