

SunMaxx™

Sustainable Solar Solutions for Government and Schools



- Lower operating costs, save your budget without cutting key services
- Lead by example and generate positive media attention
- Build the green economy locally and create jobs
- Become a leading example of a green community
- Increase funding for the services and programs you offer your constituents

In these difficult times, we our country faces both economic and environmental challenges. There is a green technology that can help solve both: solar thermal. Solar thermal generates heat from the sun and uses it to supplement existing applications. SunMaxx has fine tuned this technology into one of the most cost effective green technologies available, slashing carbon emissions with economic payback periods of as little as two years. Schools and Government can lead by example by adopting this amazing cost and carbon saving green technology.

Solar thermal can be used to offset the economic and environmental costs of any application that uses heat energy, making it one of the most versatile technologies available.

Most commonly, it is used for:

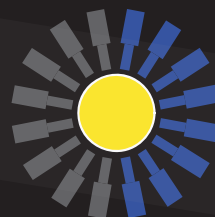
- Water heating
- Radiant floor heating
- Forced hot air heating
- Pool heating
- Larger Cooling/AC applications

All of these heating applications typically depend on fossil fuel based energy sources which are dependant on foreign oil, creating carbon emissions, and have some of the most volatile and unpredictable prices of any commodity. SunMaxx systems dramatically reduce the amount of money spent on these energy sources - freeing up funds that could be used to expand or save great programs.

There are a number of municipal facilities that could benefit a great deal from dramatically reducing the energy use of these applications.

Government office buildings, libraries and museums, are tremendous users of thermal energy – for both hot water and space heating applications, and can reap tremendous economic benefits by installing a SunMaxx system.

Solar thermal systems are an especially great option for schools. They offer an educational investment that dramatically lowers operating costs that can be used to improve facilities or hire new teachers, and gives pupils a firsthand example of green technology and sustainable living.



Silicon Solar Inc
Innovative Solar Solutions™

Solar Thermal for Municipalities

Solar Thermal System Estimate

Building Type	School
Location	California
Number of Units	50
Hot Water use/day	1300G
Hot Water Temperature	130 °F
Solar Collectors	SunMaxx-30 (EVT)
Number of Collectors	21
BTU/year	83.2 Million
Solar Fraction	32%
Heating Fuel	Propane
Heating Fuel Cost	\$ 2.34/G

Heat Fuel Use (Before)	3,074G
Heat Fuel Cost (Before)	\$ 7,193.00

Heat Fuel Use (After)	2,104G
Heat Fuel Cost (After)	\$ 4,923.00

Gross System Cost	\$ 41,400.00
Federal Tax Credit (30%)	\$ 12,420.00
State Incentive	\$ 15,069.00
Net System Cost	\$ 13,911.00

Solar Thermal Incentives

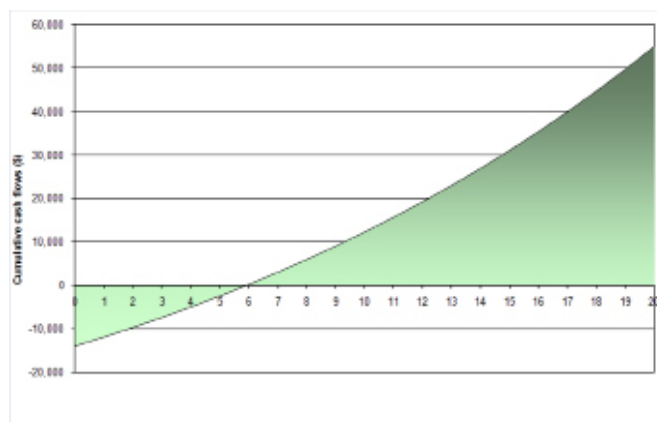
There are a number of incentives available to help pay for the initial costs of a SunMaxx solar hot water or heating system.

The key incentive is a 30% uncapped federal tax credit. Combined together with local incentive, these can cover 50%, or more, of the total initial cost of a SunMaxx solar thermal system.

Governments and municipalities can also benefit from low interest loans for sustainability and energy efficiency. These loans can often be paid entirely from the savings generated by the system.

Year	Pre-tax \$	After-tax \$	Cumulative \$
0	-13,911	-13,911	-13,911
1	2,091	2,091	-11,820
2	2,196	2,196	-9,624
3	2,306	2,306	-7,318
4	2,421	2,421	-4,898
5	2,542	2,542	-2,356
6	2,669	2,669	313
7	2,802	2,802	3,116
8	2,943	2,943	6,058
9	3,090	3,090	9,148
10	3,244	3,244	12,392
11	3,406	3,406	15,798
12	3,577	3,577	19,375
13	3,756	3,756	23,131
14	3,943	3,943	27,074
15	4,140	4,140	31,214

Payback Period: 5 - 6 years



New Green Economy

Studies indicate that the number of American consumers who consider themselves green shoppers is growing at exponential rates. Additionally, these studies indicate that consumers are willing pay up to 15% more for green products and services, or products and services offered by a company with a green image.

The growth of America's green industry is seen as a great step forward for our country; leading to jobs that cannot be outsourced, decreased carbon emissions, and a reduced dependence of foreign oil. You have the chance to be a leader in this movement, by adopting solar thermal technology.

