



# Commercial Solar Site Survey

## 1. System Design Overview

1. What do you want to use the heat from your solar hot water system for? (domestic hot water, space heating, pool heating, etc)

2. Where would you like your solar collectors mounted? (any ideas, preferences)

3. Where do you want your solar tank located? How much is available there for solar tank?

# 1. System Design Overview

4. Do you want to integrate your solar hot water system with an existing hot water system?

5. Do you want to have a backup hot water heater, or just use solar?

6. Other Notes / Requirements

## 2. General Information

### Location Information

Address

City, State, Zip

Contact Person

Phone #

Email Address

### Site Surveyor

Name

Phone #

Email Address

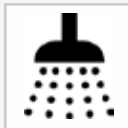
### What Do You Expect From Your Solar Thermal System?

What Type(s) Of Heating Do You Want Your System To Do?

☐

#### Domestic Hot Water

For showers, doing laundry,  
washing dishes, cleaning, etc

☐

#### Combi / Space Heating

Domestic hot water as well as  
space heating for your home

☐

#### Pool / Spa Heating

Solar powered heating for your  
pool or backyard spa



What is your desired solar fraction?

What Performance Goals Do You Have For Your System?

### Do You Have A Specific Budget In Mind For Your Solar Hot Water System?

☐

No Budget

☐

\$20,000 - \$50,000

☐

\$50,000 - 100,000

☐

\$100,000 - \$500,000

☐

\$500,000+

### 3. Building Details

#### Type Of Building

<input type="checkbox"/>	Apartment Building	Number of Residents	<input type="text"/>
<input type="checkbox"/>	College Dormitory	Number of Residents	<input type="text"/>
<input type="checkbox"/>	Includes Dining Facility	Number of Meals / Day	<input type="text"/>
<input type="checkbox"/>	Hospital	Number of Staff	<input type="text"/>
		Number of Over-night Patients	<input type="text"/>
<input type="checkbox"/>	Hotel	Number of Rooms	<input type="text"/>
<input type="checkbox"/>	Includes Dining Facility	Number of Meals / Day	<input type="text"/>
<input type="checkbox"/>	Office Space	Number of Staff	<input type="text"/>
		Hours of Operation	<input type="text"/>
<input type="checkbox"/>	Restaurant	Number of Staff	<input type="text"/>
		Hours of Operation	<input type="text"/>
<input type="checkbox"/>	School Building		
<input type="checkbox"/>	Has Showers	Number of Showers	<input type="text"/>
<input type="checkbox"/>	Other	Building Type	<input type="text"/>

#### Building Details

When was building constructed?

Was the building and/or HVAC equipment subject to retrofit measures?

☐ Yes (specify below)

☐ No

Retrofit Year

Retrofit Measure

Retrofit Year

Retrofit Measure

#### Occupancy Reductions

Are there periods when building occupancy is significantly reduced?

☐ Yes (please specify) ☐ No

Percent Reduction	From	To	Reason
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Percent Reduction	From	To	Reason
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## 4. Basic Survey Questionnaire | Domestic Hot Water

### Domestic Hot Water

Avg Daily Hot Water Consumption

 gallons

Hot Water Use Daily (Mon - Fri)

 gallons

Hot Water Use Daily (Weekend)

 gallons

When Is The Most Hot Water Used?

- ☐ Morning
- ☐ Afternoon
- ☐ Evening
- ☐ Constant

Required Hot Water Temperature

 °F

How Big Is Your Hot Water Tank?

 gallons

How Is The Hot Water Currently Heated?

- ☐ Electric Element
- ☐ Natural Gas
- ☐ Oil
- ☐ Other:

Annual Cost Of Water Heating:

 \$

Price Per Unit Of Fuel

 \$

Do You Want To Replace Or Retrofit Your Current Water Heater?

- ☐ Yes
- ☐ No

If Replace, How Much Space Is Available For A Hot Water Tank?

Length  ft

Width  ft

Height  ft

If Retrofit, What Is The Age, Make & Model Of The Tank?

Additional Observations

## 4. Basic Survey Questionnaire | Heating System

### Heating System

What Type Of Heating System Is Currently Used?

☐ Forced Hot Air

☐ Radiant Floor

☐ Radiant Baseboard

☐ Electric

☐ Other

What Type Of Fuel Is Currently Used For Space Heating?

☐ Electric

☐ Natural Gas

☐ Oil

☐ Other:

Annual Cost Of Space Heating:

\$

Price Per Unit Of Fuel

\$

How Large Is Area To Be Heated?

ft<sup>2</sup>

Supply Temperature

°F

What Is The Estimated Insulation Level Of The Building?

☐ Excellent

☐ Good

☐ Average

☐ Poor

Additional Observations

## 4. Basic Survey Questionnaire | Swimming Pool

### Pool Location

☐ Outside

☐ Inside

### Pool Bottom Color

☐ White

☐ Light Blue

☐ Dark Blue

☐ Other:

### Is The Pool Shaded During The Day?

☐ Yes  %

☐ No

### How Sheltered Is The Pool From Wind?

☐ Full

☐ Partial

☐ None

### Number Of Swimmers Per Day

### Pool Dimensions

Length  ft

Width  ft

Height  ft

### Pool Surface Area

ft<sup>2</sup>

### Pool Cover Used?

☐ Yes  %

☐ No

### Pool Open Date

### Pool Close Date

### Desired Temperature

°F

### Is There A Pool Heating System Already In Place?

☐ Yes

☐ No

### If Yes, Type Of System

### If Yes, Annual Cost To Operate

### What Is The Distance Between The Pool & Storage Tank Area?

ft<sup>2</sup>

### Additional Observations

## 4. Basic Survey Questionnaire | Roof Layout

Where Will The Solar Collectors Be Placed?

☐

Roof

☐

Ground

If Roof, What Is The Roof Slope?

If Roof, What Is The Roof Material?

☐

Asphalt Shingle

☐

Tile

☐

Sheet Metal

☐

Other:

If Roof, What Type Of Collector Mounting Do You Want?

☐

Full

☐

Partial

How Much Extra Weight Can Roof

How Much Extra Weight Can Roof Support?

 lbs/ft<sup>2</sup>

Space Available For Collector Field

Length  
(North - South)

 ft

Width  
(East - West)

 ft

Roof Height

 ft

Is Collector Field Shaded During Day?

☐

Yes

 %☐

No

How Far Will Solar Collector Field Be From Storage Tank Area?

 ft

Additional Observations



## 4. Basic Survey Questionnaire | Buffer Tank Space

Space Available For Additional Tank	Additional Observations
Length <input type="text"/> ft	
Width <input type="text"/> ft	
Height <input type="text"/> ft	
Can The Roof Support A Buffer Tank? (Typical Additional Weight > 100 psf)	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
What Is The Smallest Opening The Tank Will Have To Pass Through?	
Width <input type="text"/> ft	
Height <input type="text"/> ft	

## 5. Additional Info To Submit

### Email Pictures Of The Following Locations On Site

- Roof Area (Proposed Collector Field Area)
- Outside Of The Building
- Boiler Room (Storage Tank Location)
- Pipe Running Area
- Existing Heating System
- Additional Images That Might Be Useful In Assessing The Site
- Email Dimensional Drawings Of The Collector Field And Storage Tank Locations. Be Sure To Indicate The Direction That The Collector Field Is Facing.
- Include Any Heating And / Or Water Bills For More Accurate System Sizing.

**You May Email The Above To:**  
**telemarketing@sunmaxxsolar.com**

## 6. Instructions

### Optional Information

Include pictures of the site: roof area (or proposed collector field area), boiler room (storage tank location), any additional pictures that might be useful in assessing the site.

### Submission Instructions

Please Send Your Completed Survey To:

**SunMaxx Solar**  
5098 State Hwy 206  
Bainbridge, NY 13733

Fax: 1.800.786.0329

**Or Submit  
By Email**

**Click To Submit  
By Email**