



Residential Site Survey

Location Information:

Address: _____

City, State Zip Code: _____

Contact Person: _____

Phone/Email: _____

Site Surveyor:

Name: _____

Phone/Email: _____

Solar Thermal System Expectations

Intended Purpose of Solar Thermal System: Hot Water Space Heating Swimming Pool

Desired Solar Fraction: _____

System Performance Goals: _____

Expected System Cost: \$0 to \$1,000 \$1,000 to \$5,000 \$5,000 to \$10,000 \$10,000+

Domestic Hot Water

How many people live in the house? _____

What is the average daily hot water consumption? (gal) _____

When is the most hot water used? Morning Afternoon Evening Constant

Hot Water Temperature Requirement (°F): _____

How big is their current hot water tank? (gal) _____

How is it currently heated? Electric Element Natural Gas Oil Other _____

What is the annual cost for hot water heating? _____

Does the customer want to replace or retrofit their current hot water tank? Yes No

If replace, how much space is available for a hot water tank? (ft) Width _____ Length _____ Height _____

If retrofit, what is the age, make, and model of the tank? _____

Heating System

What type of heating system is current used?

Forced Hot Air Radiant Floor Heat Radiant Baseboard Heat Electric Heating Other _____

What type of fuel is used for space heating? Electric Natural Gas Oil Other _____

How large is the area to be heated? (ft²) _____

How old is the building? _____



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What is the estimated insulation level of the building? Excellent Good Average Poor

What is the annual heating cost? _____

Swimming Pool

Pool Location: Outside Inside

Is the pool shaded during the day? Yes If yes, what percentage _____ No

How sheltered is the pool from wind? Full Partial None

How often does the pool water get completely renewed? _____

Pool Dimensions (ft): Length _____ Width _____ Depth: _____

Estimated Surface Area (ft²): _____

Pool Cover: Yes If yes, what percentage _____ No

Pool Operating Period: Open Date _____ Close Date _____

Desired Temperature (°F): _____

Is there a pool heating system already in place? Yes No

If there is heating what type of heating is used how much do you pay annually for it? _____

What is the distance between the pool and the storage tank area? _____

Collector Field Area

Where will the solar collectors be placed? Roof Ground

What is the slope of the roof? _____

What material is the roof made from? Asphalt Shingle Tile Sheet Metal Other _____

Mounting Type Desired: Flush Tilt

Orientation of collector field: _____

Space available for collector field (ft) Length _____ Width _____

Is the collector field shaded during the day? Yes If yes, what percentage _____ No

How far will the solar field be from the storage tank area? (ft) _____

Buffer Tank Space

Does the customer want a buffer tank? Yes No

How much space is available for an additional tank? (ft) Width _____ Length _____ Height _____



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What is the smallest opening the tank will need to pass through? (ft) Width _____ Height _____

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.