

**Norwich Energy Committee and  
Sustainable Energy Resource Group  
*SOLAR HOT WATER CHALLENGE***

***Next Steps***

**1. Fill out the Site Survey Form.**

\*Electronic version is available upon request (bercross@sover.net).

**2. Send it to one or more installers (listed below).**

\*Fax, e-mail or snail mail.

\*If you have questions, fill out as much as possible and send it with your questions

**3. Within two weeks, you will hear from the installer(s). They will either:**

\*Call you with questions

\*Set up a time to come and look at your home

\*Send you a quote for the work (if the Site Survey Form is sufficiently complete)

**4. We want to hear from you.**

\*When you have made a deposit and arranged for the installation, please send an e-mail or a note to the NEC or SERG contact.

**Solar Hot Water Installers**

**Howie Michaelson, Sun Catcher**

1050 Lost Meadow Rd, Corinth, VT 05039

(802) 439-6096 or (802) 272-0004 (cell)

howie@suncatchervt.com

**Danielle Hudson-Durkin, groSolar**

Direct Sales VT and NH

601 Old River Road, Suite 3, WRJ, VT 05001-9030

Phone: 800.374.4494 x3091 FAX: 802-295-4417

danielle@grosolar.com, Website: www.grosolar.com

**Brett Tofel, ReKnew Energy Systems**

94 Downer Forest Road, South Strafford, VT 05070

(802) 659-4277 sales@reknew.net, Website: www.reknewenergy.com

**Dave Bonta, Solar Store Business Center**

802-226-7093 & 802-387-2746

dave@usasolarstore.com

**Brad Vietje, Green Works Solar Store**

1334 Scott Memorial Hwy. ~ RT 302, Groton, VT 05046

Store 802-584-4977 (or 584-GWSS) Home phone 429-2154

greenworks@usasolarstore.com

**Ted Emerson, South Face**

PO Box 82, Brownsville, VT 05037

802-484-3307, soface@sover.net

**Norwich Energy Committee and  
Sustainable Energy Resource Group  
SOLAR HOT WATER CHALLENGE  
Site Survey Form**

Please provide photographs of the following:

\* Proposed collector mounting location    \*Storage Tank Location

\*Existing Hot Water system            \*Access to proposed collector mounting location

**CUSTOMER INFORMATION**

Name

Address

Phone/Fax

Email

**A. Solar Collector Mounting**

1. Where can the solar collectors be mounted? (If the ridgeline of your home runs north-south, you will need to consider ground or wall mounting)

*Check as many as apply.*

Roof Mounting             Ground Mounting             Wall Mounting

2. For roof mounting, specify the type of roof:

Asphalt Shingle             Standing Seam             Corrugated Metal Roof

Other: Please specify \_\_\_\_\_

3. How is the proposed solar collector location oriented?

(Compass directions are sufficient.)

South +/- 10°     South-East South-West     West     East

4. Is the proposed solar collector location shaded?     No     Partially

**B. Proposed Solar Hot Water System**

1. Is there at least an 8' x 8' area for mounting the solar collector?

Yes     No     Unsure

2. Is there space available for the solar hot water tank near your existing tank?

Yes     No     Unsure

3. If so, what is the distance between the best location for the solar tank and the existing tank? \_\_\_\_\_ feet

4. What is the distance between the collector location and the proposed location for the solar hot water tank? \_\_\_\_\_ feet

5. Can pipes be run from the proposed solar tank location to the collector location?  
 Yes       No       Unsure

6. Will pipes be internal or external to the house?  
 Internal       External       Unsure

7. Is there an existing pipe chase or possibly an unused chimney?  
 Yes       No       Unsure

8. How can we get a solar tank into the basement?  
 Bulkhead       Stairs       Other: Please specify \_\_\_\_\_

9. What is the distance from the proposed solar tank location to an available 120V outlet? \_\_\_\_\_ feet

***For roof-mounted systems:***

10. What is the pitch of your roof?  
 Flat       approx. 25° (6/12)       approx. 30° (7/12)       approx. 45° (12/12)  
 other angle \_\_\_\_\_

11. What is the distance between your roof rafters? \_\_\_\_\_ inches

12. What is the size of your roof rafters? \_\_\_\_\_ inches x \_\_\_\_\_ inches

13. Is your attic finished?     Yes       No       Partially

14. If not, is your attic accessible?     Yes       No       Partially

**C. Hot Water Load**

1. Number of full-time occupants: \_\_\_\_\_

2. Number of part-time occupants: \_\_\_\_\_

3. For part-time occupancy, give the number of months per year: \_\_\_\_\_ months

4. Is your hot water system adequate for household's needs?     Yes       No

**D. Existing Hot Water System**

1. What type of hot water system are you currently using?  
 Stand alone, direct fired       Indirect fired, off boiler     Tankless coil, off boiler  
 On demand (tankless)       Other: Please Specify \_\_\_\_\_

2. Size of existing hot water tank (if you have one): \_\_\_\_\_gallons
3. How old is your existing tank? \_\_\_\_\_years
4. How are you currently heating your water? *Check as many as apply.*  
\_\_\_gas/propane \_\_\_oil \_\_\_electric \_\_\_wood \_\_\_heat pump
5. How much does it cost to operate your existing hot water system for a year?
6. Do you plan to keep your current system as a backup? \_\_\_Yes \_\_\_No \_\_\_Unsure
7. Are the hot water pipes insulated? \_\_\_Yes \_\_\_No \_\_\_Partially \_\_\_Unsure
8. Is there an anti-scald valve on your hot water system? \_\_\_Yes \_\_\_No \_\_\_Unsure
9. What is the size of the existing cold water supply pipe?  
\_\_\_1/2" \_\_\_3/4" \_\_\_1" \_\_\_1-1/4"

**E. Solar Installer's Scope of Work** (Please check one)

\_\_\_I want the solar installer to sell me equipment only, and I will install it myself.

\_\_\_I want the solar installer to sell me the equipment and install the collectors. I will find a plumber to hook it up, or do it myself.

\_\_\_I want the solar installer to install my whole system from start to finish.

**Please provide a sketch of the proposed collector location with measurements. Thank You!**

