



# 2010 Alaska Tour of Solar and Green Homes Application

Thank you for your interest in being part of the 1st Annual Alaska Tour of Solar and Green Homes! This year's tour will be on Saturday, May 15<sup>th</sup>, 2010, from 10 am to 4 pm.

ACAT strives to feature a diverse mix of homes on the Tour of Solar and Green Homes. The goal of the Tour is to demonstrate to participants what they can do in their own home, from CFLs to solar, that will help lead this community towards sustainability. In order to achieve this we consider various factors including home size, remodel vs. newly built, sustainable features and community concentration/location.

- For sustainable features, we look to maximize the education with all the levels of home efficiency, including: renewable energy, energy and water conservation, material reuse and recycling measures.
- For community/location, we look to limit participant vehicle use and drive time. You might consider contacting other homeowners with sustainable homes in the area and communicate this opportunity to them to increase your chances for acceptance.

Note: this is a general application and all questions will not apply to you or your site. Only fill out what is pertinent to you. Please email photos and completed application. Contact Phil St. John with any questions 398-0154.

## Homeowner Requirements & Expectations

*It is our #1 goal to make the homeowner's experience with the Tour as comfortable as possible. To help with this, we will like to involve your contractors as much as possible in planning and implementation of the tour, provide a packet of information that will include what to expect the day of the Tour, tips from staff and past homeowners, and dates to remember. The expectations listed here are the major components of the homeowner's involvement in addition to the day of the Tour.*

### **Home visit (optional)**

#### Purpose:

Allows staff to see the home, identify educational elements, collect photos of the home and the homeowner, verify directions, and answer any questions the homeowner may have.

#### Requirements of the Homeowner:

- Work with staff to set up visit, at a convenient time.
- Prepare home for photos to be taken during visit
  - \* Photos will be included in the guidebook, website and possibly in publicity pieces
  - \* Photos can be submitted by homeowner if desired
  - \* A photo of the homeowner(s) and their family is included in the Tour book
  - \* Photo can be submitted separately if family cannot be present during visit

**Note:** Identifying and labeling the Solar and Green Home education elements of your home may require a little extra work on the homeowners' part. Sometimes it is helpful to involve the installer or contractor, if any, to assist.

### **Homeowner article for Tour book (we will revise as necessary)**

Purpose:

Gives each home profile in the Tour book a personal touch and allows the homeowner to share their reasons for choosing to lead a sustainable lifestyle and their experiences with the features in the home. This is extremely valuable to the Tour participants.

### **Assist staff with involving the building professionals on Tour day**

Purpose:

If this is not an "owner installed" feature, we encourage you to involve the professionals that worked to make the home sustainable is integral to giving the participants access to the most information possible. In return, the building professionals are able to connect with potential customers.

Requirements of the Homeowner:

- Include home professional information in this application
- Contact professionals to inform them of the Tour and invite them to take part

Are you willing to work with us and/or have us work with your contractors directly, when appropriate, to assist with these requirements and expectations?  Yes  No

### **Tour day**

Purpose:

As a homeowner, to share with Tour participants what you did in your home and help other see what they can do in their own home, from CFLs to solar, that will help lead this community towards sustainability.

Requirements of the Homeowner:

- At least one homeowner at the home from 9 am to 4 pm on the day of the Tour
- If possible, involve family and friends in being volunteers in your home! \*

\*Not necessary, but can be helpful to you and the Tour participants to have people that know you and your home to talk about what and why you did what you did!

## **Home & Homeowner Information**

Homeowner Name(s): \_\_\_\_\_

Phone: \_\_\_\_\_(daytime) \_\_\_\_\_(evening)

E-mail: \_\_\_\_\_

Home Address: \_\_\_\_\_

Age of home: \_\_\_\_\_yrs Home Size (total sq. ft.): \_\_\_\_\_SF

Home Name (as you would like it to appear in the Tour Guide): \_\_\_\_\_

SUMMARY of why your home would be great on the Solar Home Tour:

## **General Home and Professional Information**

Please check boxes to indicate the sustainable features of the home according to each category and indicate additional information on each feature as available. No measure is too small; no amount of detail is too large. Skip any areas not applicable.

Was the home (check one):

Built new with sustainable practices?

Remodeled in the last 5 years?

Built/Remodeled when? : \_\_\_\_\_

Other? Please Explain.

Approximate construction cost per square foot: \$\_\_\_\_\_ /SF

If applicable, please check one of the following:

Is the home part of an HOA, neighborhood association or distinctly named/known community?

\_\_\_\_\_

Have other homes in your neighborhood done similar measures as your home?

Directions to home. *Google Map directions are acceptable if accurate and clear.*

Has a **REAP (Residential Energy Audit Program)** or other energy audit been performed on the home?

Yes  No

Is the completed report available?  Yes  No

Have any other analyses been conducted on the home?  Yes  No

If so, please describe: \_\_\_\_\_

Utility bills are a great place to demonstrate savings after having implemented various energy efficiency, renewable energy and water conservation measures. Being able to highlight these savings through bills will be a consideration in selection process.

Are 12 months' utility bills available for the home?  Yes  No

## **Home Features**

**Reminder:** Contractors that worked on the remodel/build are invited to be present in the home on the day of the Tour to add to the participants' educational experience. List the contact information for the architects, contractors and renewable energy contractors at the end of this section.

### **Renewable Energy Features:**

Passive Solar Design

Describe features (windows, sunroom, thermal mass, overhangs, etc.), to include date installed, cost and estimated cost savings of the measure:

Solar Photovoltaic System

Size: \_\_\_\_\_ kW Date installed: \_\_\_\_\_ Cost of the system? \_\_\_\_\_

Grid-tied  Battery backup

Estimated % of electric needs provided by system: \_\_\_\_\_ %

Estimated cost savings? \_\_\_\_\_

Solar PV Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Are they willing to be in the home the day of the tour?  Yes  No

Solar Thermal System

Flat plate  Evacuated tube  other – describe \_\_\_\_\_

Number of panels: \_\_\_\_\_ Tank size: \_\_\_\_\_

Provides:  Domestic hot water  Space heating  other – describe \_\_\_\_\_

Date installed: \_\_\_\_\_ Cost of the system? \_\_\_\_\_

Estimated cost savings? \_\_\_\_\_

Solar thermal Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Are they willing to be in the home the day of the tour?  Yes  no

Geo-thermal, Geo-exchange

Describe:

Provides:  Domestic hot water  Space heating  Cooling

Date installed: \_\_\_\_\_ Cost of the system? \_\_\_\_\_

Estimated cost savings? \_\_\_\_\_

Geothermal Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Are they willing to be in the home the day of the tour?  Yes  No

Other renewable energy system or features

Describe:

Date installed: \_\_\_\_\_ Cost of the system? \_\_\_\_\_

Estimated cost savings? \_\_\_\_\_

Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Are they willing to be in the home the day of the tour?  Yes  No

What percentage of energy use? \_\_\_\_\_ %

### Energy Efficiency Features:

Structural Insulated Panels

Walls  Roof

Describe, to include date installed, cost and estimated cost savings of the measure:

High efficiency heating (ground-source pump, radiant floor heat, high efficiency furnace, etc.)

Describe, to include date installed, cost and estimated cost savings of the measure:

High efficiency water heating (tankless, high-efficiency boiler, etc.)

Describe, to include date installed, cost and estimated cost savings of the measure:

Lighting (CFL, LED, daylighting, controls, motion sensors, etc.)

Describe, to include date installed, cost and estimated cost savings of the measure:

Energy efficient windows

Describe, to include date installed, cost and estimated cost savings of the measure:

Energy Recovery System (ERV) or Heat Recovery System (HRV)

Describe, to include date installed, cost and estimated cost savings of the measure:

High efficiency/alternative insulation (Blown cellulose, Isonene, green roof, recycled blue jeans)

R-value if available: \_\_\_\_\_ attic/ceiling \_\_\_\_\_ walls \_\_\_\_\_ other

Describe, to include date installed, cost and estimated cost savings of the measure:

Programmable thermostat

Zoned heating

number of zones: \_\_\_\_\_

Energy star appliances

Describe, to include date installed, cost and estimated cost savings of the measure:

Other energy efficiency feature(s)

Please list and describe, to include date installed, cost and estimated cost savings of the measure:

**Green Building Features:**

Alternative construction (straw-bale, rammed earth, earth-ship, tire, etc.)

Please list and describe, to include date installed, cost and estimated cost savings of the measure:

Advanced framing techniques (optimum value engineering)

Describe, to include date installed, cost and estimated cost savings of the measure:

Engineered lumber     Forest Stewardship Council certified lumber     Composite lumber

Recycled lumber     Fiber-cement exterior siding     Other

Describe, to include date installed, cost and estimated cost savings of the measure:

Sustainable flooring (bamboo, cork, sustainably harvested, low VOC, recycled carpet, etc.)

Describe, to include date installed, cost and estimated cost savings of the measure:

Sustainable countertop materials (recycled glass/plastic, locally-harvested, etc.)

Describe, to include date installed, cost and estimated cost savings of the measure:

Other green building construction materials (green roof or other unique green feature.)  
Please list and describe, to include date installed, cost and estimated cost savings of the measure:

Low VOC/non-toxic materials (low VOC paint, adhesives, formaldehyde free cabinets, etc.)  
Describe, to include date installed, cost and estimated cost savings of the measure:

Other indoor air quality measures  
Please list and describe, to include date installed, cost and estimated cost savings of the measure:

**Re-use / Waste Reduction:**

Deconstructed original structure  
 Utilized construction & demolition waste recycling  
 Utilized salvaged or recycled materials  
Describe, to include date installed, cost and estimated cost savings of the measure:

Where did materials come from? \_\_\_\_\_

Other re-use/waste reduction measures  
Please list and describe:

**Water Conservation**

Low-flow showerheads/fixtures    Dual flush toilets    High efficiency toilets    Water-efficient

clothes washer  Water-efficient dishwasher  Aerators on faucets  Other \_\_\_\_\_

Describe, to include date installed, cost and estimated cost savings of the measure. Please include model and/or ratings, if available.

**Creative Innovations or Other Components to note:**

Please describe in detail any other sustainable features of the home, community and/or your lifestyle that you would like to share.

**Architects, contractors and renewable energy contractors:**

Architect/Designer: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Are they willing to be at the building the day of the tour?  Yes  No

Are they a BGBG member?  Yes

Builder: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Are they willing to be in the building the day of the tour?  Yes  No

\*\*\*\*\*

Only complete applications will be considered. To help insure, please use this handy application check list:

Application complete

Signed Homeowner Agreement – see page 13 (The signed copy can be mailed, faxed or scanned separately)

Attach a picture of the building (.JPEG or PDF photos preferred. Photos will not be returned)

For questions, please call Debbie Fox at 303-999-3820 x 213 or email: [dfox@conservationcenter.org](mailto:dfox@conservationcenter.org)

***Please complete this application and return it to:***

ACAT

Attn: Solar and Green Home Tour

P. O. Box 872020, Wasilla, AK 99687

Or **E-mail:** [info@AlaskaSolarTour.org](mailto:info@AlaskaSolarTour.org)

**This application is due April 15<sup>th</sup>, 2010.**

**Homeowner Agreement**

Can we feature your home in the press publications surrounding the tour?  Yes  No

As the homeowner of this home, and by signing below, you understand that your home may be chosen to be showcased on the Tour of Solar and Green Homes. Your participation requires access to your home on Saturday, May 15<sup>th</sup> 2010 beginning at 10am until 4pm. During this time, the public will be free to tour designated areas of your home. You reserve the right to block portions of your home off for any reason by posting signs, roping off, etc.

Further, you agree to fulfill the homeowner requirements and expectations outlined above.

A staff person may conduct a pre-tour home visit of your home at a pre-arranged time and date.

The purpose of the visit is to gather information about your home, to include identifying education aspects of the home for the tour, explain the tour expectations and take photos of the home and homeowners.

Volunteers may be assigned to your home the day of the tour to help with traffic control if you desire. These volunteers may or may not have technical knowledge of the green and solar features of your home.

As part of this tour and unless otherwise noted, your home may be referred to in any number of press publications up until and shortly after the day of the tour. Your home's information will also be included in the tour booklet and website, which are used as educational tools throughout the year. Your address and contact information will not be included in the tour booklet. Your address will not be given out to the public except on the day of the tour. Directions to your home and its address will be included in information given to the tour participants only on the day of the tour. It will be made clear that participants cannot visit the solar tour sites except on the day of the tour and the hours advertised.

Tour site hosts and its volunteer representatives participate in the Solar Homes Tour on a voluntary basis. I agree to release ACAT, its officers, employees, volunteers and agents from any liability claims and costs of whatever kind that occur in connection with conducting any segment of the Solar Home Tour on my property.

By signing this Release, I, the Property Owner, agree to and understand the aforementioned agreement:

Homeowner Signature: \_\_\_\_\_ Date: \_\_\_\_\_