

**BEET Recommendations for Annual Town Event:** 4-24-07

We recommend that climate change information should be available at chosen Town events. We further recommend that the Town consider creating a new event specifically addressing climate change, our carbon footprint, and what we can do to embrace better practices. This idea is detailed below.

Objective: To create a single annual 'Event', provided by the Town for the Town, that provides information and resources to community members on better building practices, lifestyle choices, and transportation alternatives that will reduce PV's carbon footprint.

**Event Components:**

1. Integration of PV school students through active demonstrations of basic green building concepts and practices. (The education committee has discussed various projects, existing and new, to be implemented into the student's curriculum that could be part of demonstrations/ discussions at the event. Competition ideas?)
2. Participation of PV residents who have developed their homes/ properties using energy efficient building design or systems. (Homeowners can showcase what they have done and talk with other community members on their experiences.)
3. Local businesses that provide products or services specific to the Event's objective will be able to set up booths and provide literature and information to community members.
4. Dedicated PV staff member to provide tour through the new town center and talk about the various systems/ products used in its design and construction.
5. 'Green Tours' to be held the following day. Information on this will be provided and carpooling sign up and schedule organization can take place.
6. New technologies throughout our regional area to be showcased and demonstrated.
7. Transportation technologies and local metrics to be included. Visual props/ boards to be created showing our town's input and output of vehicular traffic and how that translates to our carbon footprint. Metric committee to provide results and recommendations. Hybrids, electric, natural gas, and biodiesel vehicles to be showcased at the event by community members who have such vehicles.
8. Getting to the event should be it's own event. Person to arrive with the most creative bike wins something. Planned race like the old Zots to Tots (do they even do that anymore at the town picnic?)
9. Games, bands, beers and fun! No party is complete without good music, good spirits, and plenty to do for all ages. Afternoon BBQ and music is a must with good bluegrass or folk bands (ideally that send a message consistent with the Event's objective.) Local micro-brewery to provide kegs (Devils Canyon Brewery, Half Moon Bay Brewery).
10. Dollar Booths to be set up to identify and educate value based changes someone can make based on their budget. (\$50,\$100,\$1000,\$10,000).
11. LEED representative to be available to answer questions and provide information on LEED H certification.

### Game Ideas:

1. Max Output: Stationary bike hooked up to a wattage output meter. Best result in 10-minute sprint wins a bike (age group categories).
2. Clothes Line Race: Who can hang the most pairs of wet jeans on a clothesline in less than 2 minutes. Winner gets the jeans.
3. Best bike award from morning ride to event. Winner gets new tires and LED's for night riding.
4. Student project competition and voting to be held at Event.

### Booth Ideas:

1. Solar
  - a. Remodel Options
  - b. New House options
  - c. Swimming Pool DC (No inverter) Options
  - d. Ground Mount vs. Roof Mount Options
  - e. Load Calculations and Energy Analysis Guide and References
  - f. Cost, Rebates and Pay-Off
  - g. New technologies
2. Education/ Student
  - a. Project displays
  - b. Competition layout
3. Geo Thermal
  - a. Vertical System vs. Horizontal Lines
  - b. Cost and Installation
4. Lighting, Plumbing and Mechanical Systems
  - a. Lighting
  - b. Irrigation
  - c. Ducting and Insulation
  - d. Furnaces
  - e. Water heaters, Dryers, Dishwashers
5. Passive Solar Design
  - a. Solar/ building orientation
  - b. Overhangs
  - c. Windows
6. Water Conservation
  - a. Rainwater irrigation techniques
  - b. Drought tolerant native planting
  - c. Drip Irrigation
  - d. Grey water?
  - e. Low use toilets
7. Transportation
  - a. Metrics committee reports/ graphs on PV vehicular use
  - b. Hybrid technologies

8. Lifestyle
9. LEED H Representative

## PV Green Tour

The BEET volunteers recommend that the Town begin an annual green tour of Portola Valley. The idea is to showcase homes, yards, etc. that display some of the green features we wish to encourage throughout Town. Most likely, the tour would be held on the same day as the climate change event—perhaps around Earthday each year. The following is a prototype for what a tour might look like. It appears that many residents are willing to participate and show their homes.

Earthday 2008: residents of the valley wake with the promise of an exciting day ahead. The day begins with a “carbon parade” of green vehicles through the Town. Following the parade, residents gather at the Town Center to carpool for the PV Green Tour. For the next two hours they will visit eight homes in Town to admire and learn about different aspects of sustainable buildings and landscapes. The tour is designed to travel as a group, so that residents can inform one, large group at a time, rather than having their homes open all day.

11:15 Arrive at Wayside Drive, where a newly remodeled home shows off the following features and technologies:

- LED lighting
- Recycled glass kitchen countertops
- 3 form ecoresin counter in the master bedroom
- Rhyolite “paper concrete” counter in the laundry room
- Sustainably grown bamboo flooring throughout
- Plyboo/recycled bamboo plywood for shelving and baseboards
- Sub floor heating
- FSC certified siding

11:45 Arrive at Golden Hills Drive to learn about sod/green roofs and how to design them.

12:15 Arrive at Creek Park Drive to see one of the many solar installations completed by Solar City. Ideally, one or more solar company representatives will be in attendance. This home has also converted all their lawns into California native gardens.

12:45 Arrive at Cervantes to see HVFA concrete for foundations and brown cellulose insulation.

1:15 Arrive at Alamos to see geothermal technologies, hydronic radiant slab heater conversion of refrigerator waste into domestic hot water.

Final stop is the Yates house in construction, where the group learns about electronic lighting ballasts, displacement ventilation, zonal heating and smart occupancy sensors (cool the people, not the house), exterior and interior light shelves to harvest natural light, groundwater coupling and a night sky system, and cisterns. By visiting the Yates home residents experience the home as a whole system.