

CEFI

NOTEBOOK FOR:

Community Energy Futures Institute

Presented by the Sonoran Institute

**June 6-9, 2007
Two Rivers Conference Center
Grand Junction, Colorado**



SONORAN INSTITUTE

Promoting community decisions that respect land & people

WWW.SONORAN.ORG

The nonprofit Sonoran Institute inspires and enables community decisions and policies that respect the land and people of western North America. Facing rapid change, communities in the West recognize and value their natural and cultural assets, which support resilient environmental and economic systems. Since 1990, the Sonoran Institute has been helping communities conserve and restore those assets and to create practical solutions for managing growth and change through collaboration, civil dialogue, sound information, broad participation, and big-picture thinking.

The Sonoran Institute contributes to a vision of the West where:

- *Healthy landscapes* – including native plants and wildlife, diverse habitat, open spaces, clean air and water – extend from northern Mexico to Western Canada.
- *Vibrant communities* embrace stewardship to protect their quality of life today and in the future.
- *Resilient economies* support prosperous communities, diverse opportunities for residents, productive working landscapes, and stewardship of the natural world.

Sonoran Institute Offices

7650 E. Broadway Blvd., Suite 203
Tucson, Arizona 85710
520-290-0828
Fax: 520-290-0969

4835 E. Cactus Rd., Suite 270
Phoenix, Arizona 85254
602-393-4310
Fax: 602-393-4319

201 S. Wallace Ave., Suite B3C
Bozeman, Montana 59715
406-587-7331
Fax: 406-587-2027

101 S. Third St., Suite 350
Grand Junction, Colorado 81501
970-263-9635
Fax: 970-263-9639

Field Offices

P.O. Box 543
Helena, Montana 59624
Tel/Fax: 406-449-6086

Magisterio #627, Col. Profesores Federales
Mexicali, Baja California, C.P. 21370 Mexico
Tel: 011-52-686-580-1701

COMMUNITY ENERGY FUTURES INSTITUTE

Working with communities toward a more energy independent future

Friends,

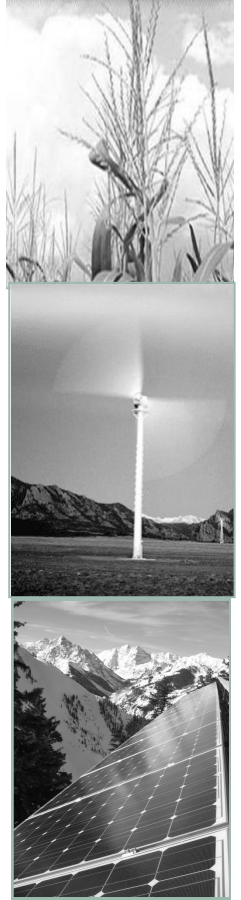
Welcome to the Sonoran Institute's inaugural Community Energy Futures Institute (CEFI). Although it's a new endeavor, this gathering reflects the Sonoran Institute's long-standing commitment to helping communities make wise choices about using natural resources.

With our long history in the Western land-use arena, we understand the overlap of land and energy issues. The West's dispersed development patterns, long driving distances, and heavy reliance on the automobile have contributed to some of the highest per capita rates of energy use and carbon dioxide emissions in the U.S.

Being in the fastest growing region in the nation – and blessed with an abundance of renewable resources, – communities in the West have an opportunity to become leaders in sustainable energy use. We can draw on the West's pioneering spirit to secure a clean, safe and reliable energy future.

CEFI is an opportunity to shape that future – with collaboration, dialogue, sound information, big-picture thinking and optimism. Thank you for joining us.

*John Shepard
Deputy Director, Strategic
& Program Advancement
Sonoran Institute*





CEFI OVERVIEW

The Community Energy Futures Institute (CEFI) is designed and hosted by the Sonoran Institute's Energy Impacts and Policy Program based in Grand Junction, Colorado, to:

- Encourage responsible development of conventional and alternative energy resources;
- Apply both science and local knowledge to address conservation and community needs;
- Build local awareness and support for energy conservation and sustainability;
- Provide assistance and expertise for local efforts to create vibrant communities while protecting natural areas;
- Help form partnerships that emphasize collaboration in achieving community goals.

CEFI evolves from the Sonoran Institute's belief that helping communities engage in collaborative processes with good information will result in effective, enduring decisions that respect the land and people of the West.

The intent of this inaugural CEFI is to provide communities that have made an initial commitment to sustainable energy use with the background and skills to expand their efforts successfully. Over the next few days, your community team will progress through what we hope you will agree are logical steps to develop an achievable action plan to take home and implement.

We've invited a distinguished group of experts to help you determine appropriate baselines and goals, engage and communicate effectively with your community, access financial and technical resources, and develop winning public and private partnerships. You'll learn about using all energy resources efficiently and how to work productively with suppliers of both conventional and alternative energy.

Success with those initial steps should position you to begin the harder work of creating a community that is an efficient steward of all forms of energy. You will learn land-use planning techniques that build efficiency into a pleasant and sustainable community, how to incorporate green building into your homes, workplace, and local institutions, and how to create an efficient and reliable transportation system that can save energy while improving access and mobility.

CEFI sessions are two-way discussions. We asked our experts to focus on take-home steps that will make a difference on the ground. Your jobs are to ask the questions necessary to insure you maximize opportunities for your community and to reflect on and thoroughly discuss how the information you receive can be applied back home. On the final day, you'll gather all you've learned into a plan specific to

your community and present it for peer review. Finally, we'll ask for a vigorous evaluation of this initial Community Energy Futures Institute so that we can continue to improve this effort.

When you are back home, the staff of the Sonoran Institute and its Energy Impacts and Policy Program will remain available as a resource as you guide your community to a more sustainable energy future. We expect to create an ongoing Learning Network that will provide updated information, allow you to continue to learn from one another, and provide an avenue for other communities to benefit from the expertise we gather.

You have made an important commitment to a more sustainable future for your community. Thank you for allowing the Sonoran Institute to assist you.

*2007 CEFI is presented with major support from
the Alki Fund of Tides Foundation and the Argosy Foundation*



Additional support provided by:

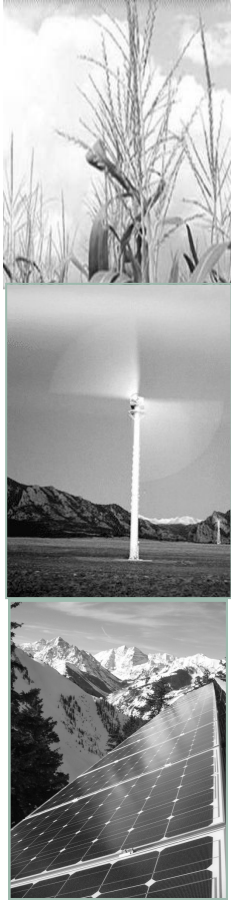


Environment Foundation
founded by employees of Aspen Skiing Company



Alpine Bank





AGENDA

Wednesday, June 6

5:30-9 p.m.

Opening Reception/Dinner

*Teams from across the Intermountain West will be working together for the next three days to make a difference in their energy future. Sonoran Institute Deputy Director **John Shepard** will kick off the workshop this evening and introduce key staff. You will have an opportunity to meet one another, introduce your community and its issues, begin the dialogue leading to meaningful change, and establish relationships that will provide ongoing ideas and support for your local effort.*

Thursday, June 7

7:30-8:30 a.m.

Breakfast/Informal Conversation

8:30-10 a.m.

The Right Start: Setting a Baseline / Creating Goals

*You've made the commitment to change, but what does that involve? What are your goals and how will you measure progress? This session, featuring **Dan Richardson** from Schmueser/Gordon/Meyer and **Margit Hentschel** from ICLEI, will help you determine appropriate techniques for measuring your community's energy consumption and carbon footprint and focus on meaningful and achievable goals.*

10 -10:15 a.m.

Break

10:15-11:45

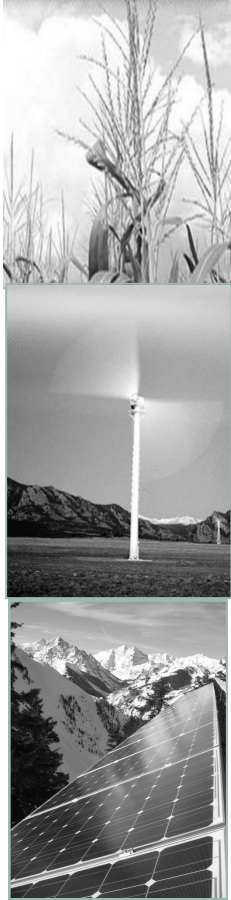
Community Engagement / Communications Strategies

*How do you move beyond changing the light bulbs in City Hall and buying a couple of hybrids or flex fuel vehicles for your city's fleet? Successful efforts engage the entire community in changing patterns of energy consumption. **Dick Brooks** of Action Media and **Susan Innis** from Western Resource Advocates will help you understand how to involve individual citizens, local businesses, nonprofit organizations and public agencies in making yours a true community campaign.*

AGENDA

- 12 noon -1:15 p.m. **Lunch and Speaker:**
How One Company (And Its Employees) Makes A Difference.
Dave Scruby, Vice Chairman, Alpine Banks
- 1:30-3 p.m. **Building Public & Private Partnerships / “The Big Bang”**
*Progress is incremental, but there are proven methods to get more “bang for the buck” and inspire your community. Collaborating with local businesses and public institutions such as schools, hospitals and other facilities can generate the excitement critical to long-term success in realizing your goals. **David Miller** of the Alpine Bank Green Team and **John Armstrong** of Fort Collins Climate Wise will tell you how to repeat their successes in your community.*
- 3-3:15 p.m. **Break**
- 3:15-4:45 p.m. **Resources for Success (Technical & Financial)**
*The budget is tight and in-house experts are few and far between. How can you possibly mount a successful effort toward meaningful change in your community’s energy footprint? **Jennifer DeCesaro** of the Clean Energy States Alliance and **Rich Halvey** of the Western Governors Association will outline where you can go for the technical and financial help you need. You’re not in this alone, and there are federal, state and local public and private resources that will make you successful.*
- 4:45-5 p.m. **Wrap & Debrief / What’s Next?**
After each session, you’ve had time to work with your team to incorporate what you’ve learned into an action plan for your community. This is your chance to fill in the blanks and exchange ideas with your peers.
- 6-9 p.m. **Reception & Dinner**
The Greenprint Denver Story
Benita Duran, Vice President, CH2M Hill, Co-chair, Denver’s Greenprint Council





AGENDA

Friday, June 8

7:30-8:30 a.m.

Breakfast/Informal Conversation

8:30-10 a.m.

Conservation and Efficiency – “The Vegetables”

*It's been said that “you have to eat your energy conservation vegetables before you can have your alternative energy dessert.” Here's where you find out that vegetables can be both tasty and filling. Cost savings from energy efficiency can be a key initial motivator for most communities. **Steve Dunn** of the Southwest Energy Efficiency Project and **Fritz Diether** of Frostbusters Home Energy Savings will help you decide where to focus your efforts for immediate and lasting results.*

10-10:15 a.m.

Break

10:15-11:45 a.m.

The Supply Side: Renewable/Alternative/Conventional — “The Dessert”

*You've polished off the vegetables. Now it's time for dessert. Learn effective ways to begin incorporating alternative sources into your energy mix and about working with suppliers of your conventional energy to become more efficient. **Susan Innis** of Western Resource Advocates and **Dan McClendon** of Delta Montrose Electric Association will examine those opportunities and discuss how communities can encourage providers to become key players in a more positive energy future.*

12 noon-1:15 p.m.

Lunch and Speaker:

Building Sustainable Communities

Matt Goebel, Principal, Clarion Associates

1:30-3 p.m.

Land-Use Strategies to Reduce Energy Consumption

*Conservation and alternative supplies can effect immediate change in your energy use. But how do you make real progress long term? One way is to make certain your community understands that how it grows impacts future rates of energy consumption. **Peter Pollack** of the Lincoln Institute of Land Policy and **Andy***

AGENDA

***Epple** from the City of Bozeman, Mont., will present land-use planning techniques that can significantly reduce energy use as your community grows.*

3-3:15 p.m.

Break

3:15-4:45 p.m.

Green Building Strategies

*Just as the way you build your community can impact energy consumption, so can the way individual homes and businesses are constructed. Green building is nothing new. **Chris Green** of AGO Studios in Avon, Colo., and **Bill Franzen** from the Poudre School District will discuss strategies, including various certification programs, that will make certain new construction and remodeling incorporate efficiency and evolving technologies.*

4:45-5 p.m.

Wrap and Debrief / What's Next?

This is another chance to make certain you're getting what you need out of this "boot camp." Tell us any holes to fill in that will assure you're successful when you return home.

Evening

Dinner (on your own)

You need a break! This is your evening out on the town with your team and a chance to get to know your new friends from across the West in an informal setting. Enjoy fine eating and drinking establishments within walking distance in downtown Grand Junction.

Saturday, June 9

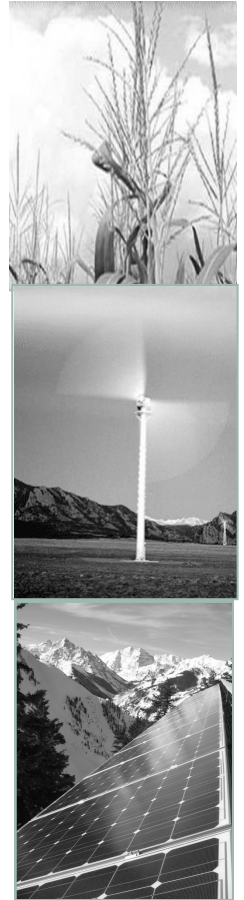
7:30-8:30 a.m.

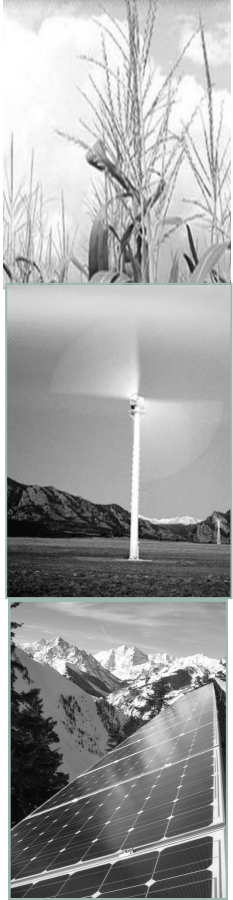
Breakfast/Informal Conversation

8:30-10 a.m.

Sustainable Transportation Strategies

*Few areas have more potential to significantly impact our energy consumption than the way we move about our communities. Whether in our private cars or in public transit, the decisions we make drive personal and public costs and determine our impact on the environment. **Alice Hubbard Laird** of New Century Transportation Foundation will help you determine strategies for positive change in community transportation patterns.*





AGENDA

- 10-10:15 a.m. **Break**
- 10:15-11:45 a.m. **Making It Work Back Home**
Now the rubber hits the road! Working from notes and your discussions after each panel, you'll be assisted by Sonoran Institute staff and some of the panelists in drafting an action plan for your community. Your plan will include each of the elements you've heard about in a manner appropriate to your local circumstances and help assure success when you return home.
- Noon-1:15 p.m. **Lunch**
- 1:30-3 p.m. **Team Presentations/Peer Review**
Each team will present its action plan for group discussion to benefit from comments and perhaps pick up a few more tips. Sonoran Institute staff and some panelists will also assist in this review. This final team exercise will reinforce relationships among the communities present and foster ongoing communication and collaboration.
- 3-3:15 p.m. **Wrap Up and Evaluation**
Evaluate your time in Grand Junction in order to help the Sonoran Institute make the next Community Energy Futures Institute even more successful. We'll also talk about follow-up assistance to your communities and participation in the CEFI Learning Network, which will promote ongoing communication among attending teams and open up learning opportunities to other communities in the West.

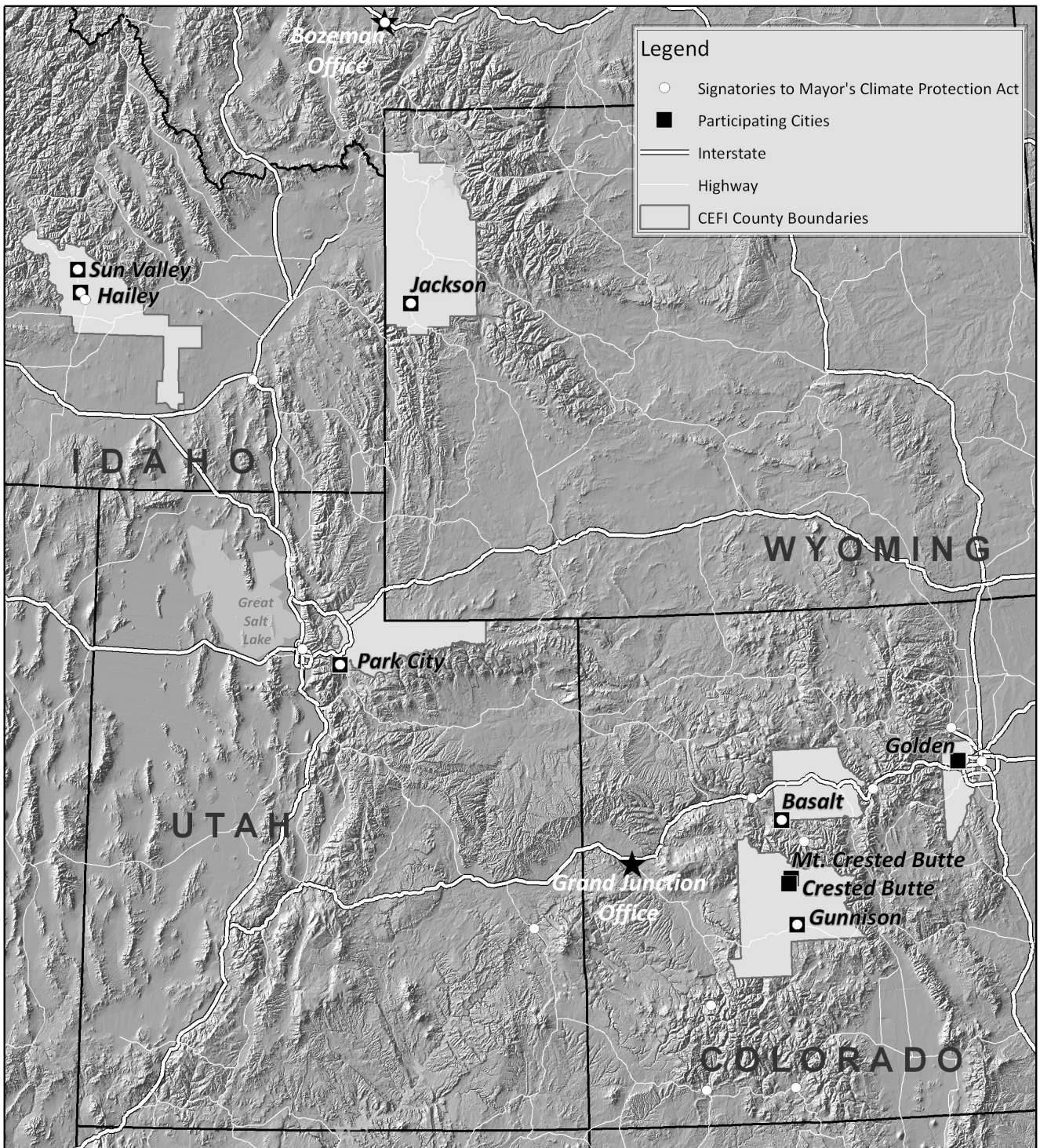
C E F I



SECTION ONE:
Team Challenge Statements



CEFI Teams



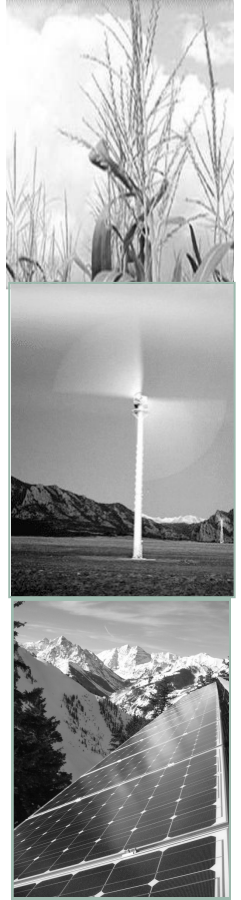
COMMUNITY CHALLENGE STATEMENTS

BASALT, COLORADO

The Town of Basalt currently purchases 35% wind power and is on the waiting list for more. We are purchasing Toyota Priuses for staff use and also have a bike fleet at Town Hall. We have joined the Seattle Mayor's Group.

PARK CITY, UTAH

The City Council adopted a new environmental strategic plan in March 2006 and is working to adopt an action plan in summer 2007 outlining specific steps to achieve goals. The City also started a coalition of local organizations and businesses to address sustainability. While staff is asking Council to broaden their definition of sustainability, staff does not want to lose focus on the importance of environmental initiatives for the community. Many of our current programs have come about due to other needs, such as the City's transit system, and others have been brought to our attention through various community groups, such as the green building initiatives.





GOLDEN, COLORADO

Last December, the City of Golden joined ICLEI's Climate Protection Program and decided to make sustainability programming its #1 priority for 2007. Just one month later, in January of this year, City Council approved a preliminary set of six sustainability goals, which are:

1. Increase our community's energy efficiency and our use of renewable sources of energy.

Specifically:

- Reduce the City of Golden's energy usage by 25% and increase to 50% the proportion of its energy use derived from renewable energy sources within ten years (25 x 50 in 10).
- Reduce overall community energy usage in Golden by 15% and increase to 15% the proportion of its energy use derived from renewable energy sources within ten years (15 x 15 in 10).

2. Improve the economic health of our community by increasing business opportunities focused on energy efficiency and renewable energy and by reducing the energy costs of all Golden businesses.

Specifically:

- Double the number of jobs in Golden in the energy efficiency and renewable energy sectors within ten years.
- Enable businesses located in Golden to lower their energy costs by reducing the average energy consumption by 15% within ten years.

3. Improve the energy efficiency and reduce the environmental impact of new and existing buildings in Golden. Specifically:

- Ensure that within ten years 90% of all new buildings constructed in Golden each year are built to green building standards.
- Ensure that within ten years 10% of all remodels in Golden each year are built to green building standards.
- Revise Golden's land use code to reflect the best practices in sustainability once every five years.

4. Ensure that Golden sustains a clean, stable water supply into the future. Specifically:

- Reduce Golden's per capita water use by 15% in ten years.
- Maintain the highest water quality standards for Golden's water supply.

5. Increase the ability of Golden residents and visitors to travel to and through Golden using alternative transportation. Specifically:

- Reduce the communities total Vehicle Miles Traveled by 15% in ten years.

6. Reduce our solid waste stream contribution through the expanded use of recycling programs, waste diversion programs, and other tools. Specifically:

- Reduce our solid waste stream contribution by 25% in ten years.

The Community Plan

Council gave direction to staff to create a plan to solicit community input into these goals and to begin a simultaneous effort to conduct an energy audit of the City's operations. Through the City's monthly newsletter and other paper and digital mailings, the City promoted an open house to introduce and discuss the goals to the public and to establish six "Community Working Groups," one for each of the general areas of the preliminary sustainability plan. The City retained facilitator Hillary Mizia of Prizm Sustainability to run that meeting. Despite occurring on the last major storm of the season, over 200 citizens braved the snow and ice to attend the open house – which was the largest gathering at City Hall in memory for a proactive and positive public hearing. The meeting concluded with over 60 people signing up for the Community Working Groups, including a seventh group for Education/Communication.

Three weeks after the first open house, the Community Working Groups were convened to watch a video detailing the efforts of Salt Lake City. They were also instructed on the art and politics of small

GOLDEN, COLORADO, *CONT.*

group dynamics and leadership before they broke into their separate groups. Each group was tasked with the following:

- Select a moderator and facilitator
- Schedule the next meeting
- Begin the discussion on refining and finalizing each group's goals and targets.

The groups each have a City staff liaison and a liaison from NREL, DOE, or EPA as resources. The Community Working Groups were given six weeks to come up with a first draft, due May 9. These drafts will be submitted to a Coordinating Committee, which is comprised of the moderators from each group, plus City staff, Hillary Mizia, and others. The Coordinating Committee will provide feedback on the drafts to each Community Working Group. This process will be repeated at least once before the final set of recommendations is submitted to City Council. We are hoping to submit to Council this summer or early fall in time for the 2008 budget discussions.

The Community Working Groups are meeting weekly and the moderators are meeting bi-weekly, with plenty of emailing in between. To facilitate their work in the most transparent and productive way possible, each Community Working Group and the moderators have a Yahoo group email account. Anyone with a computer can log into any of the Yahoo groups to review the email traffic and documents posted by the groups. These are accessible via www.cityofgolden.net/sustainability.

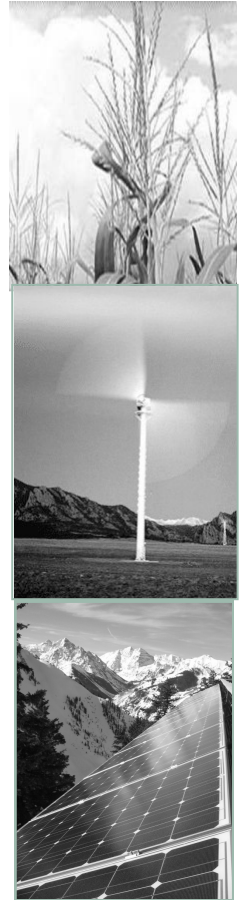
The City Plan

The City Manager created a staff committee comprised of one person from each of the City's departments. This committee is charged with recommending ways to reduce the City's energy use by 25% within 10 years and to supervise the energy audit of the City's operations. This group is meeting weekly, alternating between work on the audit and work on the energy savings ideas. The City will use the Governor's Office of Energy Management and Conservation's Performance Contracting program to publish an RFP for the bid to award the audit. Golden will modify the standard RFP beyond simple energy efficiency to include audits and recommendations on broader issues of sustainability.

Simultaneously, we are using the Climate Protection software developed by ICLEI to calculate our emissions and establish our baselines. This software has two components; one for the City and one for the community.

On paper, we appear to have this well organized, but we are facing challenges on many fronts. We hope the CEFI training will help us overcome these challenges. They include:

- Developing a communications plan to reach out to the whole of Golden. While the 200 citizens at the open house and the 60 members of the working group are excellent demonstrations of community support, many residents and businesses in Golden are still not participating and/or are skeptical of the effort. If this initiative is to succeed, we will need broad and deep community support.
- Developing a well-researched set of recommendations. While Golden is fortunate to have many residents who are highly trained and skilled in matters relevant to our plan, we still need expert advice for each of our seven Community Working Groups. We take some comfort in the knowledge that our Community Working Groups are addressing many of the topics of the CEFI training, although we have done little more than pick the right path. We need assistance to make sure we keep on track. In order to make an ambitious yet achievable set of recommendations to City Council, the Working Groups need additional training and resources of the kind we hope to find at CEFI.
- Developing our Community base line. While the ICLEI software seems to be a good tool to





GOLDEN, COLORADO, *CONT.*

develop the baseline for municipal operations, it seems much less capable to do the same for the Community. Since the municipal operations are only a fraction of the overall energy consumption and GHG emissions of the whole city, it is imperative to establish these broader Community statistics.

As with any new initiative, the City can lead but the community must be invested in order for the initiative to last. In this case, “invested” is exactly the right word. We need assistance in developing a business case for this initiative so that our merchant community can become champions of the concept. Golden is perfectly situated to become a national leader for sustainable living, commerce, and tourism, but we need help to devise and execute our plan. Golden’s commitment to date:

- Golden’s City Council joined ICLEI on December 14, 2006 and within a month had adopted a preliminary series of sustainability goals.
- City Council has officially declared sustainability programming to be its #1 priority.
- The citizens of Golden have been empowered to refine and finalize the preliminary set of sustainability goals. This grassroots effort is a highly unusual strategy for such a potentially comprehensive policy re-orientation, but one to which City Council is committed.
- City staff has also formed a committee to develop a series of energy efficiency measures and to manage an energy audit of City facilities.
- The City is making strong efforts at communicating the importance of this initiative via the creation of a website (www.cityofgolden.net/sustainability) and by frequent articles and mailings.

GUNNISON/CRESTED BUTTE, COLORADO

Recently, the three local municipal jurisdictions and Gunnison County joined forces to initiate the *Cities for Climate Protection* campaign (CCP). Each jurisdiction provided funding to the *Office of Resource Efficiency* (ORE), a local non-profit organization. This funding will be used by ORE to conduct a baseline emissions inventory and forecast. ORE has purchased software from the *International Council for Local Environmental Initiatives* (ICLEI). ORE will present results to the entities when the baseline study is completed. Thereafter, participating entities will strive to establish a direction to implement CCP milestones through intergovernmental collaboration.

Ideally, a collaborative intergovernmental framework may be established to implement the future CCP milestones. The next significant step will be development of the *Local Action Plan*. Because Gunnison is such a rural area, collaborative efforts are crucial, and the development of an action plan will be more successful with an intergovernmental partnership.

Development of the *Local Action Plan* will not begin until the inventory is complete, which is anticipated to be near the end of 2007. The goal will be to develop a plan that truly meets targeted emission reductions and protects our local natural resources and environment.

Implementing energy policies is not without detractors and skeptics, and this is true within the Gunnison community. A recent news article noted that over 30 percent of the nation’s population does not believe global warming is a real phenomena. The same new release stated that 12 percent of all Americans have never even heard of “global warming.” These statistics enforce the need for educating the public at all levels through multiple venues.

The Gunnison Community relies heavily upon collaboration and interdisciplinary approaches to solve problems. Local governments in the Gunnison Valley cannot afford to hire fulltime staff personnel to

GUNNISON/CRESTED BUTTE, COLORADO, *CONT.*

implement programs such as the CCP. Reliance upon non-profits such as ORE, Western State College, educated citizens, and collaboration are critical to implement these community programs.

The CEFI program will provide community team members with an adequate knowledge base to move the CCP program forward. Probably the most important factor will be to establish a strategy for developing consensus about future energy use goals. As previously noted, there are many skeptics in the community and substantial buy-in by citizens and elected officials will be necessary in order to address these critical community decisions.

Additionally, CEFI will provide the framework to initiate and sustain a successful program. Several jurisdictions will be sharing resources and will contribute to the success of the program. This progression will be formulated early in the process to ensure long-term efficiency. The team chosen to represent the community includes leaders and technicians that will be able to collaborate and move the community forward in a unified direction.

As an electricity utility provider, the City of Gunnison has initiated numerous programs to advance into a sustainable energy future. For example, customers presently have the option to purchase electricity from wind generation sources. The kilo-watt hour rates are slightly higher than the conventional costs, but it provides customers with an alternative. Additionally, at this time over 30 percent of the City's electrical sources are generated through renewable sources rather than coal-fired electrical plants.

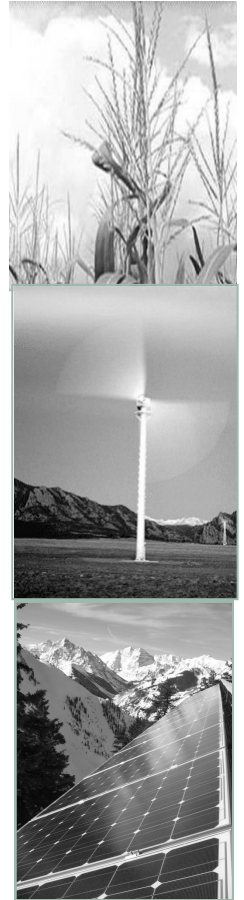
In 1995, the City of Gunnison was the first entity in the Gunnison Valley to adopt the *International Building Codes-2003 (IBC)*. Provisions for requiring compliance with the *Prescriptive Energy Code* and the *International Energy Conservation Code* were included. These energy code provisions incorporate detailed assessment of building envelope design to maximize home energy efficiency. The Gunnison Building Official also worked closely with Crested Butte and Gunnison County in their adoption of the *IBC* to include these building design standards for energy conservation. With approval of the Council, the Gunnison Mayor has also signed the U.S. Mayors Climate Protection Agreement. Many other examples such as facility energy audits, fleet replacement programs incorporating vehicles using alternative energy sources, and working with other local governments on energy-related matters are underway at this time.

JACKSON/TETON COUNTY, WYOMING

The mission of the Town of Jackson/ Teton County Environmental Initiative is to provide leadership, direction and technical support for environmental initiatives by town and county governments, as well as assist citizens, businesses and non-profits in improving environmental standards. Specific tasks include formalizing procedures for achieving the Town's U.S. Mayors Climate Protection Agreement and the County's Climate Change Resolution.

Our vision is to realize leadership in improving environmental standards and reducing greenhouse gas emissions of Town and County governments by achieving a carbon-neutral standing in ten years. The overarching goal for this Initiative is to reduce 10% of Town and County energy and fuel use by the year 2010 (10 by 10). Objectives, set to be achieved by June of 2007, are:

- Implement an identified mission
- Develop energy baselines for each Department
- Develop green building standards for public participation
- Increase commitment to Green Initiatives- by person and Department
- Identify and pursue sustainable funding sources for environmental projects





JACKSON/TETON COUNTY, WYOMING, *CONT.*

Community support for this effort is tremendous. In January the Town and County helped plan and organize Jackson's Green Actions where over 50 local nonprofit, business, and government agencies told their environmental stories in 3 hours. In addition, Sustaining Jackson Hole is working cooperatively with the Town and County to include the goal of 10 by 10 into other community organization's goals and projects. Overall, the community has been called to action and the response has been overwhelming.

A potential challenge we are currently facing is trying to develop an Initiative that is inclusive of all employees and their needs and belief systems. This process has shown the clear need for education and outreach activities. The challenge we face is how we clearly and effectively communicate to the employees and general public and give them tools for energy reduction. By effectively doing this we will be able to meet our goal of 10 by 10 and ultimately work successfully toward a carbon free community.

Teton County and the Town of Jackson are new partners in creating energy efficiency efforts within local government. Ultimately the Town and County desire to become a resource and model for the larger community to emulate. Our team's participation in the CEFI will allow us to have time to strategically think and plan for a process that is collaborative, cost-effective, and ultimately most energy efficient. Our team is excited to have the opportunity to learn from the Sonoran Institute and other community's knowledge and resources. This is a tremendous and most timely program for our community as we are in the infancy stages of developing our process and program. Having the opportunity to look strategically at some of the potential obstacles we may face will help us develop a strong plan for success. The CEFI will also give us tools for a variety of elements surrounding reducing our carbon footprint in order to gain a "big picture" view of what our purpose is.

Late in 2006 Mark Barron became the first mayor in the State of Wyoming to sign the U.S. Mayors Climate Protection Agreement. Today over 462 mayors representing 62 million Americans have signed the document that outlines goals and initiatives based on the Kyoto Protocol. Bringing it even closer to home, the Town and County elected officials signed a Memorandum of Understanding in February of 2007 to establish an agreement and responsibilities related to energy efficiency and environmental work. Along with that, they formed a volunteer joint board deemed the Energy Efficiency Advisory Board who is tasked with developing an environmental strategy within six months. On April 2, 2007, the Town Council and County Commissioners again showed their dedication by approving a joint resolution that calls for a 10% reduction of fossil fuel and electricity use by the two government agencies by 2010. The following is a partial list of accomplishments and commitments that have been made by our community:

- Teton County's Climate Protection Resolution: 2004
- US Mayor's Agreement on Climate Protection: November 2006
- Resolution to Join ICLEI, Local Governments for Sustainability: December 2006
- Memorandum of Understanding to form a Joint Energy Efficiency Advisory Board: February 2007
- Resolution for 10 by 10 Initiative: April 2007
- Town recently completed an Energy Audit by EM Engineers in SLC
- Teton County will work with the Wyoming Business Council to pay for and perform an energy audit in 2007
- Green Team members calculated total energy consumption and are currently working on calculating energy reduction goals.
- Town & County building departments along with volunteer architects and others from the community are working towards a green building "check list" where people would be rewarded as they implement more energy-efficient standards in their building projects.

JACKSON/TETON CO. WYOMING, *CONT.*

- The new Town Parking garage will use some solar power originally with PV's on the building; a larger goal of offsetting all of its energy use in the coming years is in place.
- We are working with department heads on a fleet purchasing check list.
- A "Green Newsletter" is published and distributed to all Town & County employees every 2 weeks.
- Weekly Green Snippets are sent to all employees.
- The Town of Jackson Departments were asked to include environmental language in their individual goals for the 2008 budget submission.
- Mayor Mark Barron speaks regularly at local meetings & special events about the green initiatives going on in the Town.
- We have submitted a grant to attempt to fund 10 new hybrid vehicles for Town and County use.

We are focused on energy efficiency and working toward being carbon neutral by 2020. The efforts of our individual Departments increase almost daily among the staff of our two organizations. Samples of some of these efforts are:

Jackson Hole Community Recycling

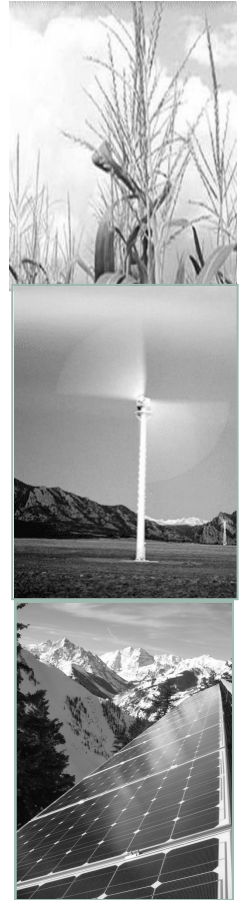
- Diverted 50 tons of recyclables & compostables from the landfill (past 6 years)
- 11,146 tons recycled in FY06
- Sold recyclables generated \$2 million in revenue (past 6 years)
- In 2006 diverted recyclables saved Teton County \$418,000 in dump fees to Sublette County
- National recycling rate is 32%. Teton County is 26%. Local goal is 32% by 2011
- Use trucks leaving valley empty to send recyclables to markets
- Saved 121,000 barrels of oil
- Both Town & County operations & staff have successful in-house recycling programs
- Public Works Yard recycles: oil from vehicles and reuses it in the winter to run in the furnace, cardboard, tires, antifreeze, & scrap metal

Teton County Trash Transfer Station

- Separates scrap wood from other refuse and creates mulch and compost
- Recycles 3500 tires a year to be used in playground equipment and other uses

Jackson/ Teton County Parks & Recreation

- Installed synthetic turf that does not require mowing or irrigation
- Community forestry management and annual tree planting programs – 50 trees in past 4 years/ 50 trees this summer in Alta Park
- Irrigation management plan: utilizing a weather monitor to determine amount of irrigating needed
- Irrigating at night saving amount of water needed
- Converted watering from treated, drinking water to raw water saving millions of gallons per summer
- Converted lights in the aquatic center to energy efficient
- All clippings are mulched from 65 mowing sites & use mulch from trash transfer station for bedding in parks
- Soft water treatment at pool to reduce use of chemicals
- Lights on athletic fields on timers
- Rec Center on programmable central control system for energy management





JACKSON/TETON CO. WYOMING, *CONT.*

Alternative transportation: Jackson Hole Community Pathways & START

- Teton County will have 28.8 miles of shared use pathways by end of 2007 42.5 miles anticipated by 2010
- 2000 census said Teton County citizens made 8.6% of their work trips by walking or biking. National average is 3.4%
- Masterplan calls for double the percentage of transportation trips made by bicycling, walking and other non-motorized modes by 2015.
- START had a record year in 2006 carrying 625,846 riders & their ridership is already up 2% in 2007
- Ridership has increased 500% (5x's) in 10 years
- The Alpine service runs 2 buses averaging 1400 riders per month (2000 in winter)
- Commuter service to Idaho has begun

SUN VALLEY/HAILEY/BLAINE COUNTY, IDAHO

The Sun Valley City Council has asked its staff to prepare energy and water guidelines/codes which will reduce green house gases (GHG). The expectation is a highly collaborative effort with developers, and, in particular, the Sun Valley Company, the City's largest landowner and owner of the area's internationally recognized ski and summer resort. In addition, the regional transit authority, regional housing authority, Blaine County and its other municipalities will be invited to join the working group. The effort is expected to take eight months.

At this time, climate change awareness in the region is felt to be quite high. Conservation practices and proactive actions to significantly reduce GHG, however, are not well understood nor have solutions been discussed in any organized manner within the community. The initiative will require extensive education of all stakeholders, including municipal and county staff. Most likely, it will be this learning curve which will be the greatest challenge to an effective set of guidelines and/or codes being adopted and implemented.

The team represents political leaders who are committed to developing a program to reduce GHG, the region's most experienced local staff and the private sector. For the past three years, the City of Sun Valley and neighboring public jurisdictions have worked together in a collaborative manner on several projects, such as: regionalization of the transit system; master plan development of unincorporated areas near city boundaries (on-going); development of new commercial mass and scale codes; and, current work in forming a council of governments. The participants all have been a part of these forums, know each other, and are committed to working together to solve complex problems.

The Cities of Hailey, Bellevue and Sun Valley have adopted the U.S. Mayors Climate Change initiative. The City of Sun Valley has included a section on Global Warming in its updated Comprehensive Plan; has developed a multi-stage conservation and renewable retrofit plan for municipal buildings; has implemented a conservation plan for municipal buildings resulting in an 11-year KWH usage low; has included a requirement for new commercial development to provide a statement regarding sustainable energy and water use; is investigating biodiesel; and is finalizing a pay-as-you-throw solid waste system, which includes free recycling curbside pick-up. The City of Hailey has developed a Climate Protection Plan which it is actively pursuing. The regional transit authority has adopted new goals, including a call for the region to reduce its carbon footprint from vehicles. The Sun Valley Company has started its first recycling efforts for the resort complex. In essence, we all see the need to take greater action in a timely manner and we are a community primed to take action. How we proceed must be thoughtful and result in quantifiable, successful measures. The motto is "Relentless Forward Motion."

C E F I



SECTION TWO:
***Note Pages, Speaker Biographies
& Participant Lists***



THE RIGHT START: SETTING A BASELINE & CREATING GOALS

Dan Richardson

Schmueser/Gordon/Meyer
118 West 6th Street, Ste. 200
Glenwood Springs, CO 81601

Phone: 970-945-1004
Email: DanR@sgm-inc.com

Session Description

You've made the commitment to change, but what does that involve? What are your goals and how will you measure progress? This session, featuring Dan Richardson from Schmueser/Gordon/Meyer and Margit

Hentschel from ICLEI, will help you determine appropriate techniques for measuring your community's energy consumption and carbon footprint and focus on meaningful and achievable goals.

Session Reflection Notes

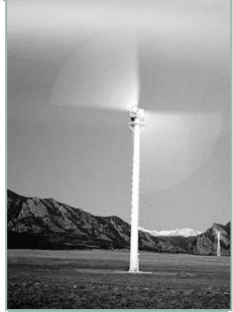
What was the most interesting idea you heard in this session?

How do you think this information is helpful to your work and activities?

What questions do you still have?

Presenter Biography

Dan Richardson is team leader for the e2 Team at Schmueser Gordon Meyer, specializing in environmental efficiency. His services help redefine quality control for all of our projects so as to increase energy & resource efficiency, reduce lifecycle costs and minimize environmental impact. Before joining Schmueser Gordon Meyer, Dan managed the Canary Initiative for the City of Aspen, the City's effort to confront global warming. Prior to this Dan owned and operated Sustainable Design Concepts, an architectural consulting business specializing in environmental efficiency and performance building. Dan served on the Glenwood Springs City Council from 2001-05, and has also served as Chairman of the Roaring Fork Transportation Authority Board of Directors and has served on the Glenwood Springs Chamber Resort Association Board of Directors. A recipient of the Marshall Memorial Fellowship, Richardson traveled to Europe to study with policy makers and industry representatives from several different countries. They discussed a variety of transatlantic topics including energy and climate change.



THE RIGHT START: SETTING A BASELINE & CREATING GOALS

Margit Hentschel

Western States Regional Capacity Center
ICLEI - Local Governments for Sustainability, USA
281 N. College Ave., Ste. 230
Fort Collins, CO 80522

Phone: 970-416-2289
Cell: 970-232-4273
E-mail: margit.hentschel@iclei.org

Session Description

You've made the commitment to change, but what does that involve? What are your goals and how will you measure progress? This session, featuring Dan Richardson from Schmeuser/Gordon/

Meyer and Margit Hentschel from ICLEI, will help you determine appropriate techniques for measuring your community's energy consumption and carbon footprint and focus on meaningful and achievable goals.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Margit Hentschel is ICLEI's Regional Director, Western States, located at our Regional Capacity Center in Fort Collins, Colorado. Currently working with local communities to develop sustainability action plans and climate adaptation strategies, she is the principal investigator for a project with NOAA, Climate Safe Cities, and the San Miguel County Community Sustainability Inventory. Further experience includes nine years with the City of Fort Collins as Environmental Manager where she developed an organizational "Action Plan for Sustainability," and managed the \$10 million Poudre River Superfund cleanup and Brownfields Redevelopment project with EPA Region 8. She also serves on the Rocky Mountain Sustainable Living Association board.



COMMUNITY ENGAGEMENT & COMMUNICATION STRATEGIES

Dick Brooks

Action Media
416 E. Hennepin Ave.
Minneapolis, MN 55414

Phone: 612-331-6466
brooks@actionmedia.org

Session Description

How do you move beyond changing the light bulbs in City Hall and buying a couple of hybrids or flex fuel vehicles for your city's fleet? Successful efforts engage the entire community in changing patterns of energy consumption. Dick Brooks of Action Media and

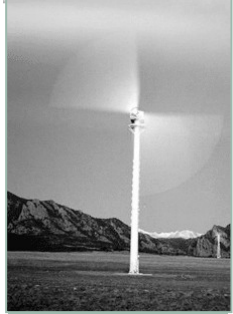
Susan Innis from Western Resource Advocates will help you understand how to involve individual citizens, local businesses, nonprofit organizations and public agencies in making yours a true community campaign.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Prior to co-founding ActionMedia, Brooks worked as a reporter, producer and manager for print media and public radio. He has numerous national and international broadcast awards and fellowships, and served as a consultant to the Corporation for Public Broadcasting. He remains active in training community broadcast journalists.



COMMUNITY ENGAGEMENT & COMMUNICATION STRATEGIES

Susan Innis

Western Resources Advocates
2260 Baseline Road, Suite 200
Boulder, CO 80302

Phone: 303-444-1188
Fax: 303-786-8054
Email: susan@westernresources.org

Session Description

How do you move beyond changing the light bulbs in City Hall and buying a couple of hybrids or flex fuel vehicles for your city's fleet? Successful efforts engage the entire community in changing patterns of energy

consumption. Dick Brooks of Action Media and Susan Innis from Western Resource Advocates will help you understand how to involve individual citizens, local businesses, nonprofit organizations and public agencies in making yours a true community campaign.

Session Reflection Notes

What was the most interesting idea you heard in this session?

How do you think this information is helpful to your work and activities?

What questions do you still have?

Presenter Biography

Susan Innis is the Green Power Marketing Director at Western Resource Advocates, a regional conservation law and policy center based in Boulder, Colorado. Ms. Innis works with stakeholders in the Rocky Mountain region to develop and implement local policies to encourage the use of renewable energy. She serves on the boards of several organizations in the renewable energy industry: the National Wind Coordinating Committee, Green-e, Colorado Renewable Energy Society and the New Mexico Coalition for Clean Affordable Energy. Prior to joining WRA in 1999, Ms. Innis worked as an Urban Park Ranger in New York City and as a researcher with an international marine conservation organization.



BUILDING PUBLIC & PRIVATE PARTNERSHIPS/THE BIG BANG

David Miller

Alpine Bank
225 N. 5th Street
Grand Junction, CO 81501

Phone: 970- 254-2753
Email: DavidMiller@alpinebank.com

Session Description

Progress is incremental, but there are proven methods to get more “bang for the buck” and inspire your community. Collaborating with local businesses and public institutions such as schools, hospitals and other facilities can generate the excitement critical to long-term success in realizing your goals. David Miller of

the Alpine Bank Green Team and John Armstrong of Fort Collins Climate Wise will tell you how to repeat their successes in your community.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

David B. Miller is a leader and creative problem solver who works effectively with people to leverage Information Technology to help organizations achieve their mission or corporate goals. His proven strengths and abilities include strategic analysis, synthesis, innovation, business development, teambuilding, effective communication, general management, and IT developed through more than 25 years of combined IT, business and consulting experience. David Miller currently works in electronic banking for Alpine Banks of Colorado, where his primary focus is business development.



BUILDING PUBLIC & PRIVATE PARTNERSHIPS/THE BIG BANG

John Armstrong

City of Ft. Collins Natural Resources Dept.
P.O. Box 580
Fort Collins, CO 80522

Phone: 970-416-2230
Fax: 970-224-6177

Session Description

Progress is incremental, but there are proven methods to get more “bang for the buck” and inspire your community. Collaborating with local businesses and public institutions such as schools, hospitals and other facilities can generate the excitement critical to long-term success in realizing your goals. David Miller of the Alpine Bank Green Team and John Armstrong of Fort Collins Climate Wise will tell you how to repeat their successes in your community.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

John Armstrong is an Environmental Planner with the City of Fort Collins Natural Resources Department. John currently works on policy and outreach projects related to climate protection, recycling and diversion. He provides technical assistance to local business in these areas and is one of two staff members working on the City's Climate Wise program. John has worked in the private sector and all levels of government in a variety of capacities related to natural resources and the environment. He has a graduate degree in community and regional planning from the University of New Mexico with emphases in natural resources and environmental planning, and ecological design.



RESOURCES FOR SUCCESS

Jennifer DeCesaro

Clean Energy States Alliance
PO Box 2526
Denver, Colorado 80202

Phone/Fax: 303-296-0457
Cell: 303-304-0102
jennifer@cleanegroup.org

Session Description

The budget is tight and in-house experts are few and far between. How can you possibly mount a successful effort toward meaningful change in your community's energy footprint? Jennifer DeCesaro of the Clean Energy States Alliance and Rich Halvey of the Western Governors Association will outline where you can go for the technical and financial help you need. You're not in this alone, and there are federal, state and local public and private resources that will make you successful.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Jennifer manages joint projects on clean energy technologies and market development with state funds. As part of this work, she analyzes fuel cell and hydrogen technology commercialization opportunities and develops collaborative strategies for state and federal fuel cell program managers. Jenn is also involved with the CESA RPS Implementation project, the farm methane and biomass development project, and community wind. Jenn previously worked as a policy specialist in the Environment, Energy and Transportation Program of the National Conference of State Legislatures (NCSL). Jennifer works from Denver, CO.



RESOURCES FOR SUCCESS

Rich Halvey

Western Governors' Association
1600 Broadway, Suite 1700
Denver, CO 80202

Phone: 303-623-9378
Fax: 303-534-7309
rhalvey@westgov.org

Session Description

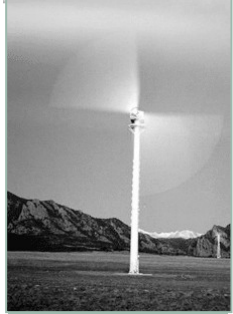
The budget is tight and in-house experts are few and far between. How can you possibly mount a successful effort toward meaningful change in your community's energy footprint? Jennifer DeCesaro of the Clean Energy States Alliance and Rich Halvey of the Western Governors Association will outline where you can go for the technical and financial help you need. You're not in this alone, and there are federal, state and local public and private resources that will make you successful.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Rich Halvey is a Program Director at the Western Governors' Association, working primarily on clean energy issues, U.S.-Mexico environmental projects, and the Western Regional Air Partnership. He managed the recently completed Clean and Diversified Energy Initiative report to create incentives for new and traditional forms of clean energy in the West and is currently working with various stakeholder groups to ensure the implementation of the recommendations in the report. He was also part of the management team that developed the first national air emissions inventory for the country of Mexico. Prior to coming to WGA, he worked for nearly 20 years at the Colorado Department of Health and Environment. Mr. Halvey has published numerous papers and articles on various environmental, policy, and economic topics.



CONSERVATION & EFFICIENCY - THE VEGETABLES

Steve Dunn

Southwest Energy Efficiency Project
2260 Baseline Rd. Suite 212
Boulder, CO 80302

Phone: 303- 447-0078
Fax: 303-786-8054
sdunn@swenergy.org

Session Description

It's been said that "you have to eat your energy conservation vegetables before you can have your alternative energy dessert." Here's where you find out that vegetables can be both tasty and filling. Cost savings from energy efficiency can be a key initial motivator for most communities. Steve Dunn of the

Southwest Energy Efficiency Project and Fritz Diether of Frostbusters Home Energy Savings will help you decide where to focus your efforts for immediate and lasting results.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Steve Dunn is a Senior Associate with the Southwest Energy Efficiency Project (SWEET), a public interest organization promoting energy efficiency policies and programs in the states of AZ, CO, NV, NM, UT and WY. SWEET is based in Boulder, Colorado. Prior to joining SWEET in February 2007, Mr. Dunn worked as a Policy Analyst with EPA's Clean Energy-Environment State Partnership – a voluntary program that helps states identify and implement cost-effective clean energy policies. At EPA, he worked with multiple states to identify, evaluate, and implement clean energy programs and policies. He coordinated the development of EPA's Clean Energy-Environment Guide to Action, which identifies and describes 16 clean energy policies and strategies that states have used to meet their clean energy objectives.



CONSERVATION & EFFICIENCY - THE VEGETABLES

Fritz Diether

Frostbusters Home Energy Savings
P.O. Box 3093
Grand Junction, CO 81502

Phone: 970-255-1122
Email: frostbusters@msn.com
Web: www.frostbusters.com

Session Description

It's been said that "you have to eat your energy conservation vegetables before you can have your alternative energy dessert." Here's where you find out that vegetables can be both tasty and filling. Cost savings from energy efficiency can be a key initial motivator for most communities. Steve Dunn of the

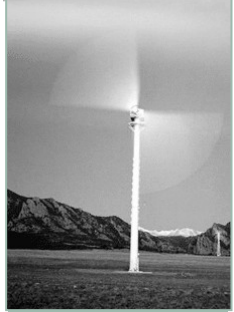
Southwest Energy Efficiency Project and Fritz Diether of Frostbusters Home Energy Savings will help you decide where to focus your efforts for immediate and lasting results.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Fritz Diether graduated from Western State College (Gunnison, CO) in 1976. He has been involved in construction since 1978, with his focus on energy efficiency since 1985, the year that Frostbusters began in Crested Butte, Colorado. Mr. Diether is the owner of Frostbusters, now based in Grand Junction, Colorado. The company offers energy audits and improvements, home energy ratings, Energy Star and tax credit certification, energy consulting and training. Mr. Diether has served as a volunteer firefighter, planning and zoning board member, town council member, trials commission member and an environmental group board member.



THE SUPPLY SIDE: RENEWABLES/ALTERNATIVES/CONVENTIONAL

Susan Innis

Western Resources Advocates
2260 Baseline Road, Suite 200
Boulder, CO 80302

Phone: 303-444-1188
Fax: 303-786-8054
Email: susan@westernresources.org

Session Description

You've polished off the vegetables. Now it's time for dessert. Learn effective ways to begin incorporating alternative sources into your energy mix and about working with suppliers of your conventional energy to become more efficient. Susan Innis of Western Resource Advocates and Dan McClendon of Delta

Montrose Electric Association will examine those opportunities and discuss how communities can encourage providers to become key players in a more positive energy future.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Susan Innis is the Green Power Marketing Director at Western Resource Advocates, a regional conservation law and policy center based in Boulder, Colorado. Ms. Innis works with stakeholders in the Rocky Mountain region to develop and implement local policies to encourage the use of renewable energy. She serves on the boards of several organizations in the renewable energy industry: the National Wind Coordinating Committee, Green-e, Colorado Renewable Energy Society and the New Mexico Coalition for Clean Affordable Energy. Prior to joining WRA in 1999, Ms. Innis worked as an Urban Park Ranger in New York City and as a researcher with an international marine conservation organization. She has a BSc in biology from McGill University (Montreal, Canada) and is pursuing an MPA in public policy at the University of Colorado-Denver.



THE SUPPLY SIDE: RENEWABLES/ALTERNATIVES/CONVENTIONAL

Dan McClendon

11925 6300 Rd.
P.O. Box 910
Montrose, CO 81402

Phone: 970-249-4572
Email: dan.mcclendon@dmea.com

Session Description

You've polished off the vegetables. Now it's time for dessert. Learn effective ways to begin incorporating alternative sources into your energy mix and about working with suppliers of your conventional energy to become more efficient. Susan Innis of Western Resource Advocates and Dan McClendon of Delta

Montrose Electric Association will examine those opportunities and discuss how communities can encourage providers to become key players in a more positive energy future.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Dan McClendon is the General Manager of Delta-Montrose headquartered in Montrose, Colorado. Dan has worked in the electric utility business for 27 years both for an Electric Generation & Transmission Cooperative and for Delta-Montrose, a distribution Cooperative. Dan is a strong advocate for utility conservation and efficiency. He holds a MBA and a Finance degree from Colorado State University and Brigham Young University respectively.



LAND USE STRATEGIES TO REDUCE ENERGY CONSUMPTION

Peter Pollack

Lincoln Institute of Land Policy
960 Grant Place
Boulder, CO 80302

Phone: 303-253-2569
ppollock@lincolninst.edu

Session Description

Conservation and alternative supplies can effect immediate change in your energy use. But how do you make real progress long term? One way is to make certain your community understands that how it grows impacts future rates of energy consumption.

Peter Pollack of the Lincoln Institute of Land Policy and Andy Epple from the City of Bozeman, MT will present land-use planning techniques that can significantly reduce energy use as your community grows.

Session Reflection Notes

What was the most interesting idea you heard in this session?

How do you think this information is helpful to your work and activities?

What questions do you still have?

Presenter Biography

Peter Pollock, FAICP, is the Ronald Smith Fellow at the Lincoln Institute of Land Policy. Since July 2006 he has been working with the Institute's joint venture projects with the Sonoran Institute and the Public Policy Research Institute of the University of Montana. He worked for almost 25 years for the City of Boulder, Colorado as both a current and long-range planner, and he served as director of the city's Planning Department from 1999 to 2006 (profiled in Roger Waldon's book *Planners and Politics: Helping Communities Make Decisions*, APA Planners Press 2006). Pollock began his career as the staff urban planner for the National Renewable Energy Lab in Golden, Colorado, where he specialized in solar access protection, energy-conserving land use planning, and outreach to local communities. During the 1997–1998 academic year Pollock was a Loeb Fellow at the Harvard University Graduate School of Design and a visiting fellow at the Lincoln Institute. He received his master's degree in Landscape Architecture at the University of California at Berkeley in 1978 and a bachelor's degree in Environmental Planning at the University of California at Santa Cruz in 1976.



LAND USE STRATEGIES TO REDUCE ENERGY CONSUMPTION

Andy Eppele

City of Bozeman
P.O. Box 1230
Bozeman, MT 59711

Phone: 406-582-2260
Fax: 406-582-2263
Email: aeppele@bozeman.net

Session Description

Conservation and alternative supplies can effect immediate change in your energy use. But how do you make real progress long term? One way is to make certain your community understands that how it grows impacts future rates of energy consumption.

Peter Pollack of the Lincoln Institute of Land

Policy and Andy Eppele from the City of Bozeman, MT will present land-use planning techniques that can significantly reduce energy use as your community grows.

Session Reflection Notes

What was the most interesting idea you heard in this session?

How do you think this information is helpful to your work and activities?

What questions do you still have?

Presenter Biography

Andy Eppele has served as the Director of Planning for the City of Bozeman, MT, since 1987. During that time, Bozeman has grown from a town of 22,600 to a small city of 36,000. Under Mr. Eppele's direction, Bozeman has incorporated a number of New Urbanist design principles into its land use regulatory programs, with emphases on walkability, neighborhood commercial centers, minimum urban densities, provisions for mixed use, and encouragement for drought-tolerant landscapes. Mr. Eppele holds BA and MS degrees in geography from UCLA and the University of Utah, and is a member of the American Institute of Certified Planners. He is the current president of the Western Central Chapter of the American Planning Association, and is a past president of the Montana Association of Planners.



GREEN BUILDING STRATEGIES

Chris Green

AGO Studios
PO Box 18457
Avon, CO 81620

Phone: 970-748-9474
Fax: 970-748-9476
chris@agostudios.com

Session Description

Just as the way you build your community can impact energy consumption, so can the way individual homes and businesses are constructed. Green building is nothing new. Chris Green of AGO Studios in Avon, CO, and Bill Franzen from the Poudre School

District will discuss strategies, including various

certification programs that will make certain new construction and remodeling incorporate efficiency and evolving technologies.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Chris is currently the Secretary of The American Institute of Architects (AIA) Western Mountain Region Council, was 2004 President of AIA Colorado and 2002 President of the AIA Colorado West Chapter. Chris serves on the Planning and Zoning commission of Avon, Colorado in the central Rocky Mountains where he lives and is the founding principal of Ago Studios, Inc, a small regionally focused firm. He has a Bachelor of Environmental Design from the University of Colorado and a Master of Architecture degree from the Illinois Institute of Technology.



GREEN BUILDING STRATEGIES

Bill Franzen

Poudre School District
2407 LaPorte Avenue
Fort Collins, CO 80521-2297

Phone: 970-490-3537
Email: wfranzen@psdschools.org

Session Description

Just as the way you build your community can impact energy consumption, so can the way individual homes and businesses are constructed. Green building is nothing new. Chris Green of AGO Studios in Avon, CO, and Bill Franzen from the Poudre School

District will discuss strategies, including various certification programs that will make certain new construction and remodeling incorporate efficiency and evolving technologies.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

William S. Franzen, CEFPI, CASE, CASBO, ASBO, is the Executive Director of Operation Services for Poudre School District in Fort Collins, Colorado. Operation Services encompasses the departments of Facility Services, Food Service, Planning Design and Construction, Security, and Transportation. Bill oversees these departments and the 600 staff members who provide a wide variety of professional services to Poudre School District. In a school district with over 4 million sq. ft. of educational and support service facilities, coordination and communication of Operation Services programs within the district is an important function. A District employee since 1989, Bill has worked both as a classified staff member in Facility Services and as an Administrator.



SUSTAINABLE TRANSPORTATION STRATEGIES

Alice Hubbard Laird

New Century Transportation
Foundation
P.O. Box 428
Carbondale, Colorado 81623

Phone: 970-704-9200
ahubbardlaird@sopris.net

Session Description

Few areas have more potential to significantly impact our energy consumption than the way we move about our communities. Whether in our private cars or in public transit, the decisions we make drive personal and public costs and determine our impact on the environment. Alice Hubbard Laird of New Century Transportation Foundation will help you determine strategies for positive change in community transportation patterns.

Session Reflection Notes

What was the most interesting idea you heard in this session?
How do you think this information is helpful to your work and activities?
What questions do you still have?

Presenter Biography

Alice Hubbard Laird has been working on sustainable economic development and making communities less reliant on fossil fuels for over twenty years. From 1990-96 Alice was Senior Research Associate for Rocky Mountain Institute's Economic Renewal Program and spearheaded the creation the Community Office for Resource Efficiency, a partnership between local governments and utilities in the Roaring Fork Valley of Colorado. She was Transportation Programs Manager for the City of Aspen, and later managed the formation of the valley's rural transportation authority and completion of the region's Corridor Investment Study as Director of Planning and Development for the Roaring Fork Transportation Authority. Alice co-founded and directs the New Century Transportation Foundation.



2007 CEFI PARTICIPANTS

Basalt, Colorado

Bill Efting

101 Midland Ave
Basalt, CO 81621
970-927-4701
bille@basalt.net

Larry Thompson

101 Midland Ave
Basalt, CO 81621
970-927-4701
lthompson@basalt.net

Amy Capron

101 Midland Ave
Basalt, CO 81621
970-927-4701
amy_campron@hotmail.com

Bill Simon

101 Midland Ave
Basalt, CO 81621
970-927-3851
bsimon@rmi.org

Gerry Terwilliger

101 Midland Ave
Basalt, CO 81621
970-927-4701
grterwilliger@sopris.net

Ann MacLeod

710 Evans Court
Basalt, CO 81621
970-927-2280
annmacq@vof.net

Jackson/Teton Co., Wyoming

Sarah Mitchell

P.O. Box 3494
Jackson, WY 83001
307-732-8571
smitchell@tetonwyo.org

Shawn O'Malley

P.O. Box 1687
Jackson, WY 83001
307-733-3932
somalley@ci.jackson.wy.us

Melissa Turley

P.O. Box 1687
Jackson, WY 83001
307-733-3932
melissaturley@yahoo.com

Ben Ellis

P.O. Box 3594
Jackson, WY 83001
307-733-8094
benellis@wyom.net

Andrew Watson

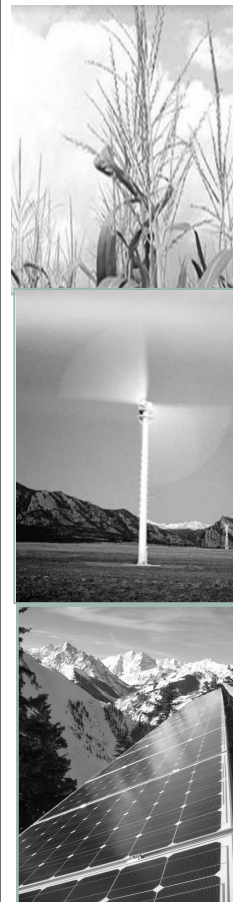
P.O. Box 3594
Jackson, WY 83001
307-795-2293
andy@watsonconsultinggroup.com

Lori Fussell

P.O. Box 3594
Jackson, WY 83001
307-733-9745
lmfussell@bresnan.net

Tim O'Donoghue

P.O. Box 3594
Jackson, WY 83001
307-733-9745
tim@jacksonholechamber.com



2007 CEFI PARTICIPANTS

Gunnison, Colorado

Ellen Harriman

PO Box 239
Gunnison, CO 81230
970-641-2488
eharriman@cityofgunnison-co.gov

Jonathan Houck

PO Box 239
Gunnison, CO 81230
970-641-2488
jhouck@cityofgunnison-co.gov

Kim Antonucci

PO Box 239
Gunnison, CO 81230
970-641-2488
kim@cityofgunnison-co.gov

Hap Channel

PO Box 200
Gunnison, CO 81230
970-641-1471
hchannel@gunnisoncounty.org

Matthew Birnie

PO Box 200
Gunnison, CO 81230
970-641-7602
mbirnie@gunnisoncounty.org

Theresa Henry

PO Box 5800
Mt. Crested Butte, CO 81225
970-349-6634

John Hess

PO Box 39
Crested Butte, CO 81224
970-349-5338
jhess@crestedbutte-co.gov

Sun Valley/Hailey/Blaine Co., Idaho

Virginia Egger

POB 416
Sun Valley, ID 83353
208-622-4438
vegger@svidaho.org

John Thorson

POB 416
Sun Valley, ID 83353
208-622-4438
pav031@cox.net

Peter Everett

PO Box 416
Sun Valley, ID 83353
208-726-4997
petereverett@psu.edu

Susan McBryant

115 Main Street
Hailey, ID 83333
208-788-4762
robincrotty@haileycityhall.org

Beth Callister

Box 1881
Ketchum, ID 83340
208-788-5351
bcallister@ketchumidaho.org

Dave Chase

PO Box 416
Sun Valley, ID 83353
dchase@altusalliance.com

Becky Stokes

115 Main Street
Hailey, ID 83333
208-788-4221
becky_stokes@haileycityhall.org

2007 CEFI PARTICIPANTS

Park City, Utah

Dana Williams
PO Box 1480
Park City, UT 84060
435-615-5151
butz@parkcity.org

Diane Foster
PO Box 1480
Park City, UT 84060
435-901-2802
dmurphyfoster@ascresorts.com

Michelle Barille
PO Box 128
Coalville, UT 84017
435-615-5151
mbarille@co.summit.ut.us

Marianne Cone
PO Box 1480
Park City, UT 84060
mccone@parkcity.org

Phyllis Robinson
PO Box 1480
Park City, UT 84060
probinson@parkcity.org

Julia Pettit
PO Box 1480
Park City, UT 84060
jrpettit@parkcity.org

Golden, Colorado

Chuck Baroch
701 Ridge Road
Golden, CO 80403
303-278-9697
cbaroch@cityofgolden.net

Mark Heller
922 Washington Ave.
Golden, CO 80401
303-279-4162
mark@gura.com

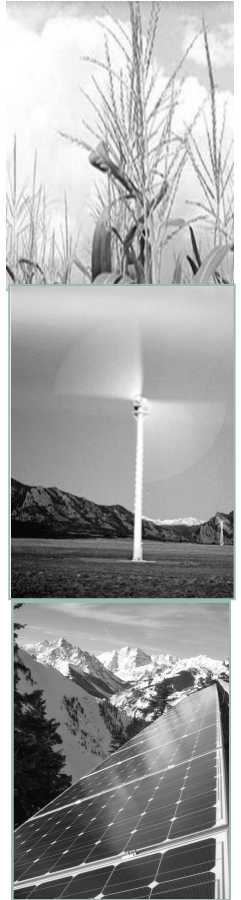
Sabrina D'Agosta
911 10th Street
Golden, CO 80401
303-384-8132
sdagosta@cityofgolden.net

Saoirse Charis-Graves
Community Working Group
303-279-2129
saoirse03@mac.com

Don Cameron
Community Working Group
303-279-6517
dcameron@du.edu

Adam Stevenson
Community Working Group
303-905-5424
stevenson01@gmail.com

Peter Rusin
922 Washington Ave.
Golden, CO 80401
303-279-4162
peter@gura.com





2007 CEFI WORKSHOP EVALUATION

1. What was the most valuable part of the training workshop for you?

2. What was the least valuable part?

3. We have tried to cover topics relevant to community conservation, energy efficiency and leadership. Are there any other topics or issues you wish had been addressed? Were there any topics or issues you wished were not part of the course?

4. Do you think the length of the course was: ☐ Too long ☐ Just right ☐ Too short

5. With regard to the course design do you wish there was *more*, *less* or the *same* amount of:

	MORE	LESS	SAME
Lecturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Questions & Answers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group Discussions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group Work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practical Exercises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Examples	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Would you prefer that the course: (choose one)

- ☐ Place **more emphasis** on partnerships, financing and economic strategies?
- ☐ Place **more emphasis** on community process issues, such as visioning, collaboration building, and facilitation?
- ☐ Place **more emphasis** on policy, land use planning and green building?
- ☐ Other _____

2007 CEFI WORKSHOP EVALUATION

7. How much did you learn during the course? (Choose one)

- ☐ Reinforced previous knowledge.
- ☐ Introduced some new information not known before.
- ☐ Learned a lot of new information.
- ☐ Provided additional information beyond my expectations for this course.
- ☐ Did not learn much new information.

8. We have tried to design a course for all types of participants. Would you prefer that the course: (Choose one for each scenario)

- ☐ Be geared to novices OR ☐ Be geared to more knowledgeable participants
- ☐ Be geared to team participation OR ☐ Be geared to individual participation

9. How can we improve the Community Energy Futures Institute?

10. What resources or assistance do you anticipate needing to be successful with your energy planning efforts?

NAME (Optional)

2007 CEFI WORKSHOP EVALUATION

Please rate the usefulness and quality of each sessions on a scale of 1 to 5 with 1 being poor and 5 being excellent.

The Right Start/Creating a Baseline

1 2 3 4 5

Community Engagement/Communication Strategies

1 2 3 4 5

Building Public and Private Partnerships/ 'The Big Bang'

1 2 3 4 5

Resources for Success

1 2 3 4 5

Conservation and Efficiency – 'The Vegetables'

1 2 3 4 5

Renewable and Alternative Sources – 'The Dessert'

1 2 3 4 5

Land-Use Strategies to Reduce Energy Consumption

1 2 3 4 5

Green Building Strategies

1 2 3 4 5

Sustainable Transportation Strategies

1 2 3 4 5

The Supply Side – Working with your Energy Providers

1 2 3 4 5

Refining Community Goals/Strategies/Actions

1 2 3 4 5

Team Presentations

1 2 3 4 5

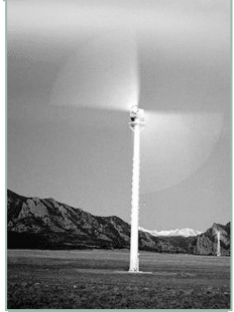
2007 CEFI WORKSHOP EVALUATION

ADDITIONAL COMMENTS. THANK YOU!

C E F I



SECTION THREE:
Workshop Session Materials

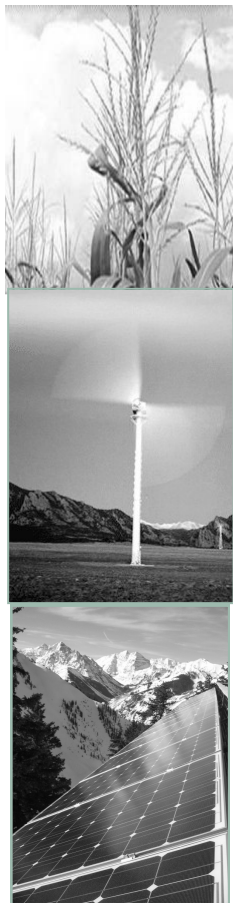


CEFI INFORMATIONAL CD

All materials are duplicated on the Resources CD with permission for educational purposes only. The Resources CD is not meant for sale or commercial purposes.

1. **Panelist Presentations**
2. **Web Resources for CEFI Participants**
3. **Case Studies and City Action Plans:**
 - **Boulder Climate Action Plan**
 - **Salt Lake City Climate Action Plan**
 - **Fort Collins Energy and Education Measures**
 - **Fort Collins Greenhouse Gas Emissions Inventory**
 - **GreenPrint Denver DRAFT Action Plan**
 - **The Canary Initiative, Aspen Global Warming Alliance**
4. **A Balanced Energy Plan for the Interior West**, Western Resource Advocates.
5. **Towards a Climate Friendly Built Environment**, PEW Center on Global Climate Change
6. **Strategies and Tools to Implement Transportation Efficient Development**, Washington Department of Transportation and University of Washington Dept of Urban Design and Planning
7. **The Work that Goes into Renewable Energy**, Renewable Energy Policy Project
8. **Build It Right: Clean Energy for Better Buildings**, Renewable Energy Policy Project
9. **The Environmental Imperative for Renewable Energy**, Renewable Energy Policy Project





Web Resources for CEFI Participants

The following links provide on-line resources from government, nonprofit and commercial sites. This list is meant to get you started or provide additional support as you work through your own implementation process. Each description in quotes below comes directly from the organization's website. This list is also on your workshop CD for ease of access to these web sites.

Panelist Affiliations:

ICLEI: Local Governments for Sustainability. (Margit Hentschel) <http://www.iclei.org/>
Schmueser Gordon Meyer (Dan Richardson) <http://www.sgm-inc.com/>
Action Media: Framing and Strategic Communications (Dick Brooks) <http://www.actionmedia.org/>
Western Resources Advocates (Susan Innis) <http://www.westernresourceadvocates.org/>
Alpine Banks of Colorado (Dave Miller and Dave Scruby) <http://www.alpinebank.com/>
Fort Collins Climate Wise (John Armstrong) <http://fcgov.com/climateprotection/climate-wise.php>
Clean Energy States Alliance (Jenn DeCesaro) <http://www.cleanenergystates.org/index.html>
Western Governors' Association (Rich Halvey) http://www.westgov.org/wga_energy.htm
Southwest Energy Efficiency Project (Steve Dunn) <http://www.swenergy.org/>
Frostbusters (Fritz Diether) http://www.frostbusters.com/about_us.htm
Delta Montrose Electric Association (Dan McClendon) http://www.dmea.com/enviro/default_2.htm
Lincoln Institute of Land Policy (Peter Pollock) <http://www.lincolnst.edu/index-high.asp>
City of Bozeman (Andy Epple) <http://www.bozeman.net/planning/planning.aspx>
Clarion Associates (Matt Goebel) <http://www.clarionassociates.com/services.cfm>
AGO Studios, Inc (Chris Green) <http://www.agostudios.com/>
Poudre School District (Bill Franzen) <http://www.psd.k12.co.us/>
New Century Transportation Foundation (Alice Laird) <http://www.newcenturytrans.org/about.htm>
CH2M Hill (Benita Duran) <http://www.ch2m.com/corporate/> also: <http://greenprintdenver.org>

Community Energy Planning Workbooks:

Planning for Community Energy, Environmental and Economic Sustainability (PLACE³S): "A program jointly supported by state energy offices in Oregon, California and Washington. PLACE³S is an innovative planning method that fully integrates focused public participation, community development and design, and computer-assisted quantification tools (GIS) to help communities produce plans that retain dollars in the local economy, save energy, attract jobs and development, reduce pollution and traffic congestion and conserve open space." <http://www.energy.ca.gov/places/>

Community Energy Association Toolkit: *(designed for a Canadian audience, but very useful)* "The Community Energy Association is a non-profit society, promoting energy conservation, energy efficiency and green energy supplies through community energy planning and project implementation." <http://www.communityenergy.bc.ca/toolkit.htm>

National Center for Appropriate Technology; Smart Communities Network: "Designing an energy program in your community will be dependent upon your community's specific goals, resources, and conditions. But there are many resources that offer guidelines and step-by-step approaches to developing a program that meets your community's goals." <http://www.smartcommunities.ncat.org/municipal/mundesign.shtml>

Rocky Mountain Institute Community Energy Workbook: *(for sale)* <http://www.rmi.org/store/pdetails33.php?x=1&pagePath=00000000,00000032,00000105>

Community Office for Resource Efficiency: "CORE promotes renewable energy, energy efficiency and green building techniques in western Colorado's Roaring Fork Valley." <http://www.aspencore.org/>

Renewable Energy Information:

Union of Concerned Scientists Renewable Energy Information: (*state and federal policies and a clean energy blueprint for the U.S.*) http://www.ucsusa.org/clean_energy/clean_energy_policies/real-energy-solutions-the-renewable-energy-standard.html

National Renewable Energy Laboratory: “Because renewable resources vary considerably from one geographic location to another, optimal siting of renewable energy systems requires knowledge of the specific resource characteristics—availability, magnitude, and variability—at any given location. NREL provides high-quality renewable energy resource data for U.S. and international locations.” http://www.nrel.gov/renewable_resources/

Environmental Protection Agency’s Clean Energy Site: “EPA’s Clean Energy Programs are working with state policy makers, electric and gas utilities, energy customers, and other key stakeholders. By identifying, designing and implementing clean energy policy and technology solutions, we are delivering important environmental and economic benefits.” <http://www.epa.gov/cleanenergy/>

Database of State Incentives for Renewables and Efficiency: “DSIRE is a comprehensive source of information on state, local, utility, and federal incentives that promote renewable energy and energy efficiency.” <http://www.dsireusa.org/>

USDOE Office of Energy Efficiency and Renewable Energy: “The Office of Energy Efficiency and Renewable Energy (EERE) works with business, industry, universities, and others to increase the use of renewable energy and energy efficiency technologies.” <http://www.eere.energy.gov/>

Renewable Energy Policy Project: “REPP’s goal is to accelerate the use of renewable energy by providing credible information, insightful policy analysis, and innovative strategies amid changing energy markets and mounting environmental needs by researching, publishing, and disseminating information, creating policy tools, and hosting highly active, on-line, renewable energy discussion groups.” <http://www.repp.org/index.html>

American Council on Renewable Energy: ACORE: “The American Council On Renewable Energy, a 501 (c)(3), non-profit organization in Washington, D.C., is focused on accelerating the adoption of renewable energy technologies into the mainstream of American society through work in convening, information publishing and communications.” <http://www.acore.org/about/>

Interstate Renewable Energy Council: “IREC’s mission is to accelerate the sustainable utilization of renewable energy sources and technologies in and through state and local government and community activities.” <http://www.irecusa.org/index.php?id=7>

Renewable Energy and Energy Efficiency Partnership: (*an international organization*) “The Renewable Energy and Energy Efficiency Partnership (REEEP) is an active, global public-private partnership that structures policy and regulatory initiatives for clean energy, and facilitates financing for energy projects.” <http://www.reeep.org/>

American Solar Energy Society: “a national membership organization whose mission is to attain a sustainable U.S. energy economy. ASES strives to accelerate the development and use of solar and other renewable energy resources through advocacy, education, research and collaboration among professionals, policy-makers and the public.” <http://www.ases.org/>

American Wind Energy Association: “The mission of the American Wind Energy Association is to promote wind power growth through advocacy, communication, and education.” <http://www.awea.org/resources/>

Case Studies of Climate Action and Energy Efficiency Plans:

Seattle Climate Action Plan: (this link takes you to case studies compiled by the Seattle Climate Action Plan group. They are organized by type of plan and also include general resources.) <http://www.seattle.gov/climate/takingAction.htm>

USDOE Clean Cities Program: “The mission of the Clean Cities Program is to advance the economic, environmental, and energy security of the United States by supporting local decisions to adopt practices that contribute to reduced petroleum consumption in the transportation sector. Clean Cities carries out this mission through a network of more than 80 volunteer, community-based coalitions, which develop public/private partnerships to promote the use of alternative fuels and vehicles, expand the use of fuel blends, encourage the use of fuel economy practices, increase the acquisition of hybrid vehicles by fleets and con-



sumers, and advance the use of idle reduction technologies in heavy-duty vehicles.” http://www.eere.energy.gov/cleancities/program_areas.html

Cities for Climate Protection from ICLEI: *(this link provides all the member sites of the CCP program. Each link will take you to a city’s official homepage).* <http://www.iclei.org/index.php?id=1121>

Financial Incentives, Grants and Loan Programs:

Smart Communities Network, NCAT: “Budget reductions, resource constraints, and other restrictions often make financing energy efficiency projects a challenge for municipalities. The information below outlines some financing approaches that your community might investigate.” <http://www.smartcommunities.ncat.org/municipal/financing.shtml>

USDA Farm Bill Section 9006: The Renewable Energy and Energy Efficiency Program: <http://www.rurdev.usda.gov/rbs/farmbill/> and http://www.usda.gov/wps/portal/!ut/p/_s.7_0_A/7_0_1OB?navid=ENERGY&navtype=MS

Alliance to Save Energy; Financing Energy Efficiency: “Financing Energy Efficiency is a database of over 60 energy efficiency funds and programs operating throughout the world. It provides a variety of information about each fund, including interest rates, loan terms, minimum and maximum loan amounts, eligible sectors and technologies, contact information, and more. Although most programs documented are loan funds, the inventory also includes some loan guarantee and equity funds.” <http://www.ase.org/section/topic/financingee>

US Department of Housing and Urban Development; Energy Efficiency Financing and Rebates: “Several resources available provide information on energy efficiency financing and rebates.” <http://www.hud.gov/offices/cpd/affordablehousing/training/web/energy/help/financing.cfm>

