

Breckenridge's First Zero Energy Luxury Home

After Kyle, a successful Colorado direct marketing business man, became a father his perspective changed. Watching his children grow older and seeing the environmental challenges they would face, he began to learn all he could to convert his Colorado home from an energy hog to an energy miser.

Kyle succeeded. He hired SolSource, a Denver solar engineer-

ing firm to install a 10 kW solar photovoltaic array which reduced his electric bill by 75 percent. He put in a solar greenhouse which brings heated air into the home and doubles as a cozy family room. He switched out his light bulbs to compact fluorescent CFLs) which use about 1/4 the energy of incandescent light bulbs.

Perhaps most importantly he used technology to assist him and his

family to make significant lifestyle changes to conserve energy. He learned that by programming simple occupancy sensor devices to turn lights off in key rooms after two minutes of no activity, he could dramatically reduce his energy usage - without the constant reminders to his family "... please turn the lights off when you leave the room!"

Kyle set an even higher goal when he decided to buy a lot on Timber Trail Road to build a ski in/ski out mountain home in Breckenridge. This luxury Summit County house would be a net zero energy home.

The goal was to design and build an 8,000 sq. ft. highly attractive mountain home that fit seamlessly into the existing neighborhood and whose renewable energy

systems were well integrated into the overall house design.

Over the following months, a skilled and committed team of professionals was brought together to achieve these goals.

This is the first time in Summit County that a team of this depth and experience in environmental building and renewable energy solutions has been assembled. The team has been working collaboratively for several years and the home is now well under construction.

Before the drywall goes in, the team and the homeowner wish to share their solutions with others. This coming weekend - Saturday, Feb. 27 & Sunday, Feb. 28 from 10 am to 5 pm - the team is making the



This 8,000 sq.ft. Breckenridge luxury home is designed be one of the most energy efficient residences in Summit County.

home open to the public for viewing. This unusual opportunity will reveal what is inside the walls, e.g. innovative plumbing, heating and cooling systems, insulation, and electrical systems.

In addition, the entire team of professionals will be giving a free seminar Sun, Earth and

Science - Creating a Net Zero Home on Saturday from 2-4 pm and Sunday from 11 am-1 pm.

Tomorrow, learn more about the specific environmental solutions used to make this Breckenridge home Net Zero.

to be continued...



Sun, Earth & Science
CREATING A NET ZERO HOME

Free Environmental Seminar to peek inside this 8,000 sq. ft. custom mountain Net Zero home before the drywall goes in.

Saturday, Feb. 27 from 2 to 4 pm

with Après Ski following

Sunday, Feb. 28th from 1 to 3 pm

238 Timber Trail Road, Breckenridge

More info at blog.trilogybuilds.com

