



next generation energy

Sungalow™

2008 CRES Residential Building Award Winner

THE SUNGALOW'S ENERGY SYSTEMS WERE DESIGNED AND INSTALLED BY NEXT GENERATION ENERGY® IN CONJUNCTION WITH KREUTZMAN CONSTRUCTION, INC.



SOLAR ELECTRIC

Solar energy predicted to produce 100% of electricity demand.

SOLAR TILES

3.850 kW Open Energy SolarSave Roofing Tiles, www.openenergycorp.com.

INVERTER

3.6kW - GridPoint Connect Series (grid tied battery back-up), www.grid-point.com.

SOLAR THERMAL

Solar energy will produce 85%-90% of its heat and hot water.

DRAIN-BACK SYSTEM

Provides pipe freeze protection. Whenever the pump shuts off, the water in the collectors and pipes drains back into the storage tank.

BACKUP HOT WATER

Hot water – 120 gallon Solar supplied located in mechanical room of home.

RADIANT HEATING SYSTEM

Solar Assisted with three 120 gallon Storage tanks located under garage.

RECYCLED WATER SYSTEM

Brac 200 Recycling System. Saves 30% on water usage. Distributed by Next Generation Energy, www.ngeus.com.



INSULATION

Ceilings are R-38, walls are R-20, R-23 roof. A tight thermal envelope around the home's exterior is wrapped in insulation made of dual-sided foil faced foam. Colorado Energy Savers, coloenergy.com

PELLET BIOSTOVE FOR BACKUP HEATING

For back up heat, the living room has a multi-fueled Europa 75. greenfire.pelletstove.com

OTHER FEATURES

- Siding is made of a durable, low maintenance fiber cement material
- Natural lighting design
- Low VOC Paint - www.kellymoore.com
- Windows and doors by Pella, www.pella.com
- Low "embodied energy" products

