

**RENEWABLE ENERGY DEMONSTRATION CENTER (REDC)
(DRAFT) MISSION STATEMENT (DRAFT)**

Provide sustainable renewable energy education that offers a hands-on demonstration environment for students, teachers and the general public involving K-12 Schools, Colleges and Universities, and Small Businesses and Industries for the benefit of all mankind.

GOALS

1. To stimulate interest and educate the public regarding renewable energy's beneficial home and community uses with engaging staff presentations and examples.
2. Demonstrate the economic and environmental-global climate improvement benefits resulting from reducing fossil fuel emissions and international fuel dependency.
3. Operate in a spirit of win-win collaboration with other nonprofit organizations and with the National Renewable Energy Laboratory encouraging energy independence.

OBJECTIVES

1. To provide the public education and interactive experiences in the design and implementation of the latest technologies.
2. To provide hands on teacher development and student education programs in cooperation with accredited entities.
3. To integrate new alternative energy systems into historic and traditional environments while increasing sustainability.
4. To provide manufactures with a non-biased demonstration center for their certified products and to stimulate the growth of a well trained installers workforce.
5. To help students and their families explore active solar, wind and other efficient energy installations on a home, small business and green area located on the center's grounds.
6. To establish feedback and measurement criteria for REDC.
7. To raise awareness to the possibilities of creating a new improved standard of responsible living

BY:

1. Providing maps and directions to renewable energy and atmospheric visitor centers, alterative energy exhibits and viewable installed sustainable systems.
2. Listing renewable energy education organizations, activities, facilities and events as they evolve.
3. Establishing office space for existing nonprofit renewable energy associations and societies to strengthen cooperative effectiveness.
4. Demonstrating easy to use monitoring and data gathering products that provides measurements of installed renewable energy systems.
5. Providing a forum for the exchange of ideas regarding new improved standards of responsible living.
6. Providing a forum for a wide range of participant ages and educational backgrounds.
7. Including literature that encourages continued discussions in homes, schools and workplaces.

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3,425• +
453•45 +
754•62 +
350• +
865•99 +
1,234•98 +
113•14 +
7,197•18 *

RENEWABLE ENERGY DEMONSTRATION CENTER

BUDGET

SW Windpower Skystream 3.7 Wind Turbine 3425.00
Foundation:

Backhoe rental 453.45

Concrete 754.62

Foundation Pouring Contractor 350.00

Includes Partial Time Donation

Donated materials etc.;

Golden Home Depot , All Framing

Rio Grande Building Materials, All Rebar

SW Windpower, Soil Sampling to 25 feet
Below Grade

On Site Engineering, Greg Lepetsos, P.E.

Paul Migliore, P.E. and Jerry Bianchi P.E.

Electrical Supply:

Conduit and Cable Supplies, etc. 865.99

Solar and Wind Energy Panels and
Grid Disconnect 1234.98

Grading Equipment Rental 113.14

Donated Equipment, Materials and Labor;

Intermountain Electric - use of their trencher
for 2 days including delivery and pickup

Golden Solar Master Electricians

Shawn Josserand (CSM also) 38 hours

Brian Matzen 16 hours

623 14th Street
Golden, CO 80401

PHONE (303) 278-9733
FAX (303) 279-5900
E-MAIL ccourtad@redemocr.org
WEB SITE <http://www.redemocr.org>