

Garfield Clean Energy 1st Quarter 2013 Report

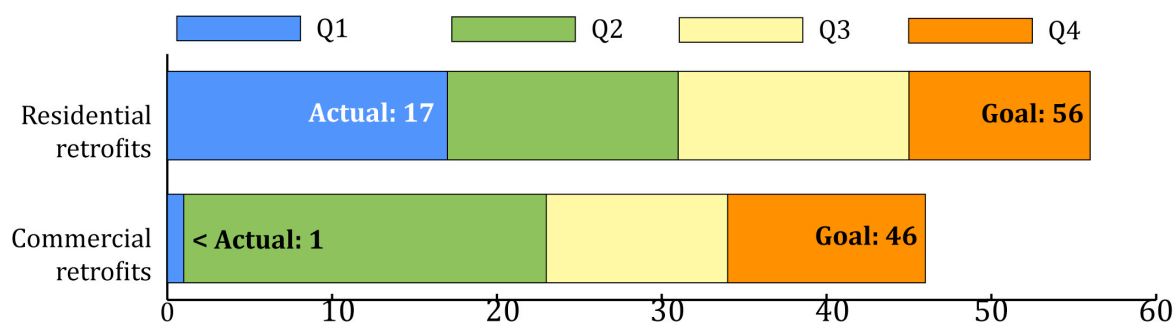
April 5, 2013 • Prepared by CLEER: Clean Energy Economy for the Region

1. Residential energy efficiency

Residential retrofits: 17	Measures: 22	Economic development
Rifle: 2	Insulation and air seal: 7	Total retrofit costs: \$74,970
Silt: 4	Furnace / boiler: 10	Utility rebates: \$3,280
New Castle: 4	Water heater: 4	GCE rebates: \$6,990
Glenwood Springs: 6	Windows: 1	Rebate multiplier: 10.7
Carbondale: 1	Est. savings: \$3,114/year	(each \$1 in rebate = \$10.70 spent)

2. Commercial energy efficiency

Commercial retrofit: 1	Measures: 1	Total retrofit cost: \$12,261
Vicki Lee Green, Glenwood	HVAC upgrades	GCE rebate: \$500; Rebate multiplier: 24.5
New commercial applications received: 15		



3. Garfield Clean Energy partner buildings and renewables

>> General services for all 10 partners

Energy data analysis and future project planning

- Compiled and analyzed utility bill data for 2009-2012; created graphs showing annual building energy use; identified trends in use and savings.
- Created spreadsheets listing completed projects and priority future projects.
- Met with Carbondale, Glenwood Springs, New Castle and Garfield County to share results to date and future projects; will hold similar meetings with other six partners in 2nd quarter.

Facility Manager Roundtables: Planned, publicized events April 3 in Rifle, April 4 in Glenwood.

Common Policy for Energy Targets: Researched and drafted resolution and template for partner organizations, to be ratified at April 10, 2013, board meeting.

Salesforce database development

- Working with Visual Data Consulting of Boulder to customize Salesforce online database system for tracking partner buildings, residential and commercial projects.
- Result will be simplified, standardized reporting of energy savings and investments.
- Customization costs to date: \$4,000. Ongoing use of online database is free.

Weather-adjusted savings package purchased and tested for GCE's Utility Manager bill database. Normalizes utility data across seasonal weather variations for more accurate year-over-year energy savings analysis. Cost: \$2,070

>> **Partner services for all 10 partners**

Garfield County

- Alerted Health & Human Services Building staff that HVAC system and a thermostat must be malfunctioning. Made follow-up phone call to Dave Ebeler, facility manager, and provided hard copy diagrams of HVAC system map and AEM reports.
- Provided Road and Bridge staff with details about Xcel Energy and Holy Cross Energy lighting rebates that could be used at Cattle Creek and Rifle facilities.
- Met with Drew Gorgey and Tom Jankovsky to discuss best approach for impacting additional county buildings. CLEER will also provide articles on saving energy for the county's monthly internal employee newsletter.

Carbondale

- Identified unusual electrical energy spike via Energy Navigator data. Site visit uncovered an electric ceiling unit heating a bathroom. A building team is experimenting with more efficient ways to heat the bathroom.
- Worked extensively with town staff on mandatory renewable energy requirements for new commercial buildings; presented findings to trustees.
- Met with Jay Harrington and Allyn Harvey to pursue idea of creating an award for employees who propose an innovative solution to saving energy.

Glenwood Springs

- Met with Jeff Hecksel and Robin Millyard and shared memo with list of next steps and priority upgrades at City Hall, Community Center, MOC and wastewater plant.
- Visited wastewater plant, met new staff, and scheduled wastewater plant Energy Navigator training to take place April 3.
- Responded to request from Tom Barnes to review energy system ideas for proposed new ice rink building.

New Castle

- Met with Tom Baker and with Melody Harrison, Town of New Castle's Energy Champion.
- Conducted walk-through of Town Hall and Community Center on March 8. Identified energy savings opportunities, such as HVAC maintenance, building light shelves and heat tape timer, and planned next steps.

Silt

- Worked with town staff and electrician on preliminary steps to have Navigator monitoring equipment installed at wastewater treatment plant.

Rifle

- Followed up with city staff to ensure Xcel Energy rate switch was made for wastewater plant.
- Met with the city's new water plant engineer March 27 and assisted with Xcel rate analysis on "interruptible rate structure" being considered by the city.
- Working with city staff on Power Purchase Agreement for solar installations on city buildings, totaling about 600 Kw, and to ensure monitoring equipment is compatible with Navigator.

Parachute

- Monitored Navigator data to ensure optimal building energy performance.

RFTA

- Contacted RFTA staff to offer review of building plans for remodeling of Aspen maintenance facility to ensure energy efficient construction.
- Added “live” electricity monitoring via Navigator for RFTA’s Glenwood CNG fueling station.

Garfield Public Library District

- Worked onsite with Jerry Morris at Parachute Branch to troubleshoot energy spikes.
- Continue work on LEED-inspired rating of Carbondale Branch.

Colorado Mountain College

- Implemented interval data reporting and created pages on Navigator website for eight CMC buildings in Garfield County.
- Coordinated data entry of historical bills going back to 2008 for the entire CMC system.
(*Separate contract with CLEER.*)

>> Non-partner services

Roaring Fork School District (*Separate contract with CLEER.*)

- Met with RFSD staff to discuss joining GCE.
- Assisted RFSD staff and school energy clubs with their pursuit of lighting audits and rebates.
- Provided utility data and coaching during solar PPA analysis process.

Battlement Mesa Metro District

- Met with metro district staffer Roger Bulla to discuss energy savings opportunities at water and wastewater plants.
- Discussed possible membership or participation in GCE.

4. Transportation

CNG efforts

- Met with Glenwood Ford owner Jeff Carlson to discuss the importance of dealer support for alternative fuels.
- Assisted RFTA to learn about fuel technologies and funding sources for Carbondale circulator bus.
- Supported Glenwood Springs and Garfield County in RFP for public CNG fueling station.
- Supported monthly West Slope CNG Collaborative meetings with technical and administrative duties.
- Presented “CNG 101” at Glenwood Rotary Club Feb. 22.
- Supported Garfield County and Rifle with technical issues on CNG vehicle breakdowns.
- Reached out to Parachute-region private and public fleet owners via phone and email to build customer demand for CNG fueling station set to open this summer in Parachute.
- Shared CNG experiences with presentations to groups in the Durango region March 12-13, and with MRI Trash locally with multiple contacts in February and March.

Other

- Prepared for the school Bike and Walk Challenge, set for April 23 - 25 in all three districts.
- Planned “Regional Leaders Ride” around Rifle for Friday, June 7, to learn about trails and transportation opportunities.
- Ran the CASEO Anti-Idle program at selected local schools, sponsored by CDOT.

- Assisted Carbondale in applying for and winning grant to pay for 80% of costs for an EV charging station to be installed outside Town Hall.

5. Publicity, marketing and website

New case studies posted on website: Glenwood Sew, Defiance Thrift Store, Miser’s Mercantile

E-blasts

- 3 e-blasts for Energy Efficiency Lighting Workshop, March 7
- 2 e-blasts for Facility Managers Roundtables, April 3 and 4

Advertising placed

- Sopris Sun “Green is the new Black Fashion Show” program
- Glenwood Springs Chamber Resort Association summer guide (circ. 55,000) highlighting residential rebates and loan program

Earned media: 14 articles

Media outlets	Article types
Glenwood Springs Post Independent: 9	GCE partners acting on energy-related topics: 5
Sopris Sun: 2	GCE outreach and getting noticed: 4
Durango Herald: 1	Case study features: 1
Steamboat Today: 1	Renewables: 3
Treatment Plant Operator magazine: 1	Transportation/CNG news: 2

For headlines, dates and links, visit www.GarfieldCleanEnergy.org and click on the newsboy image.

Website usage, Jan. 1 to March 31, 2013, according to Google Analytics

Total visits: 4,595	Top 5 pages
Unique visitors: 3,311	Residential heat tape, 25%
Tablet/smartphone visitors: 782	Home page: 19%
Page views: 7,818	Residential rebates landing page
New visits: 70%	Electric vehicles
Returning visitors: 30%	Challenge for Homes

6. Administration

Ongoing coordination, management of all services, programs

- January, February, March GCE meeting organization, board materials
- Securing matching grant funds
- Pursuing FMLD grant up until FMDL staff notified GCE that rebates as a proposed use did not fit FMLD guidelines
- Finalize Refuel Colorado funding for use for GCE
- Meetings with GCE partner staff on general GCE programs
- Work on GCE long term financing, including Clean Energy District; statewide financing
- Outreach to potential additional GCE partners

New bookkeeper

- Worked with GCE attorney Jim Neu to solicit proposals from locally-based bookkeepers. Worked with GCE Finance Committee to interview three finalists, followed up with advance contract work with the selected bookkeeper.