

Garfield Clean Energy 3rd Quarter 2013 Report

October 4, 2013 • Prepared by CLEER: Clean Energy Economy for the Region

1. Residential energy efficiency

3rd Quarter 2013

Residential retrofits: 65	Measures: 86	Economic development
Parachute: 1	Assessments: 4	Total retrofit costs: \$349,337
Rifle: 4	Insulation and air seal: 33	Utility rebates: \$6,500
Silt: 5	Furnace / boiler: 16	GCE rebates: \$29,837
New Castle: 3	Water heater: 3	Carbondale/GCE rebates: \$3,825
Glenwood Springs: 36	Windows: 21	Glenwood Efficiency: \$2,116
Carbondale: 16	Cooling Equipment: 5	Glenwood Solar: \$11,125
	Lighting: 5	
Est. savings: \$12,920/year	Solar PV: 2	Rebate Multiplier: 7.4

Year-to-date 2013

Residential retrofits: 93	Measures:	Economic development
Parachute: 2	Assessments: 5	Total retrofit costs: \$528,521
Rifle: 5	Insulation and air seal: 45	Utility rebates: \$9,160
Silt: 9	Furnace / boiler: 36	GCE rebates: \$38,678
New Castle: 5	Water heater: 11	Carbondale/GCE rebates: \$10,939
Glenwood Springs: 42	Windows: 24	GWS Efficiency: \$2,666
Carbondale: 35	Cooling Equipment: 5	GWS Solar: \$11,125
	Lighting: 5	
Est. savings: \$16,518/year	Solar PV: 2	Rebate multiplier: 8.3

Residential Revolving Loan Fund

Sept. 30 report from Funding Partners / EnergySmart Partners, Fort Collins

Beginning balance, 2012: \$200,062

Balance out on loan: \$49,605

Number of homeowner loans: 7, all are current on payments

Interest paid YTD: \$490.53

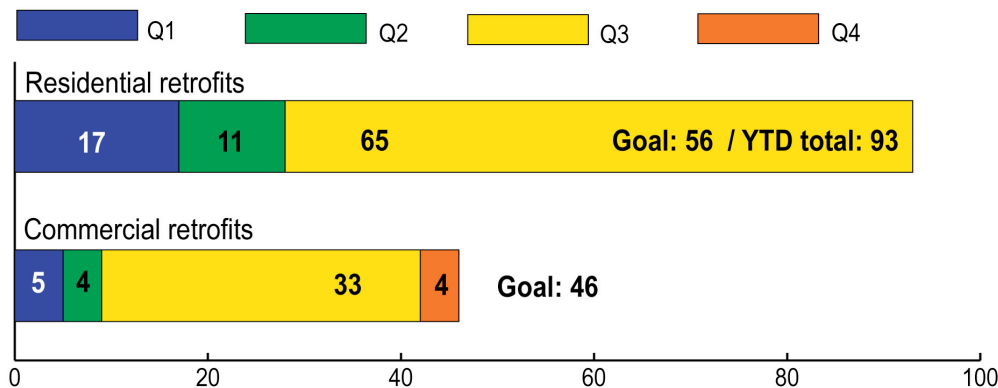
Total loaned to date: \$53,633

Current portfolio yield: 2.187%

Total repaid to date: \$4,028

Available funds: \$150,393

2013 Residential and Commercial energy efficiency retrofits



2. Commercial energy efficiency

Commercial retrofits: 42 YTD 1st Quarter 2013	Measures: 42+ YTD	Total retrofit cost	GCE/partner rebate
Vicki Lee Green, Glenwood	HVAC upgrades	\$12,261	\$500
2nd Quarter 2013			
Habitat for Humanity	Lighting retrofit	\$14,584	\$2,025
Carbondale Square LLC	Lighting retrofit	\$3,198	\$1,500
Aspen Insulation	Lighting retrofit	\$9,855	\$4,500
The Crystal Company	Lighting retrofit	\$2,148	\$1,073
John A. Virgili	Lighting retrofit	\$5,300	\$2,500
Charm School Butchers	Lighting retrofit	\$8,171	\$2,280
Glenwood Springs Auto Parts	Lighting retrofit	\$5,419	\$2,500
YouthZone Rifle	Energy Audit	\$459	\$200
2nd Quarter subtotals		\$49,134	\$16,578
3rd Quarter 2013			
401 27 th Street LLC	Lighting retrofit	\$11,831	\$5,000
811 Blake Law Office LLC	Efficiency upgrades	\$9,857	\$2,500
Aspen Valley Harley-Davidson	Lighting retrofit	\$5,891	\$2,500
Aspenwood Apartments A	Major equipment replacement	\$39,263	\$2,500
Aspenwood Apartments B	Major equipment replacement	\$39,263	\$2,500
Bookcliffs Profesional Building	Efficiency upgrades	\$45,000	\$2,500
Carbondale Beer Works	Efficiency upgrades	\$552	\$276
Carquest Parts	Lighting retrofit	\$2,405	\$935
Church of the Open Door	Lighting retrofit	\$7,492	\$2,500
Colorado West Roofing Inc.	Lighting retrofit	\$5,390	\$2,300
Crystal Fly Shop	Lighting retrofit	\$3,305	\$1,580
Dodson Engineered Products	Lighting retrofit	\$7,498	\$1,470
Eagle Springs Crossing	Lighting retrofit	\$14,444	\$2,500
Equus Private Wealth	Efficiency upgrades	\$6,246	\$2,500
Family Visitor Program	Lighting retrofit	\$2,695	\$1,350
Good Shepherd Lutheran Church	Major equipment replacement	\$15,381	\$2,500
Gracie Jiu-Jitsu	Lighting retrofit	\$1,995	\$400
H Lazy F Mini Storage LLC	Lighting retrofit	\$11,621	\$2,500
K2 Spirits	Efficiency upgrades	\$4,262	\$1113
Meskin Enterprise	Lighting retrofit	\$4,178	\$2,000
Mr. T's Hardware & Bldg Supply	Lighting retrofit	\$26,356	\$2,500
Names and Numbers	Lighting retrofit	\$1,660	\$400
Pink Palace – WACK, LLC	Major equipment replacement	\$26,356	\$3,000
Pinon Forge	Lighting retrofit	\$1,158	\$100
Rhino Liquors	Lighting retrofit	\$2,350	\$330
Rifle Truck & Trailer	Efficiency upgrades	\$4,954	\$2,500
Roaring Fork Liquors	Lighting retrofit	\$10,320	\$1,500
Robo Chicken LLC	Lighting retrofit	\$7,182	\$2,965
Rocky Mountain Baptist	Lighting retrofit	\$5,743	\$2,500
Spruce Building	Lighting retrofit	\$4,095	\$1,650
Subway-Rifle	Lighting retrofit	\$3,432	\$600
United Methodist Church	Efficiency upgrades	\$269	\$135
Wine Time LLC	Efficiency upgrades	\$2,028	\$1,015
3rd Quarter sub totals		\$328,507	\$63,619
Average rebate multiplier: 5.1	YTD totals	\$389,902	\$80,697

3. Garfield Clean Energy partner buildings and renewables

>> General services for all 10 partners

Energy data analysis and future project planning

- Made presentations to the Carbondale, Silt, Rifle and Parachute town boards and to the Garfield County Commissioners to share energy savings results to date, discuss spreadsheets listing completed projects and priority future projects, and update board members on Navigator.

Policy

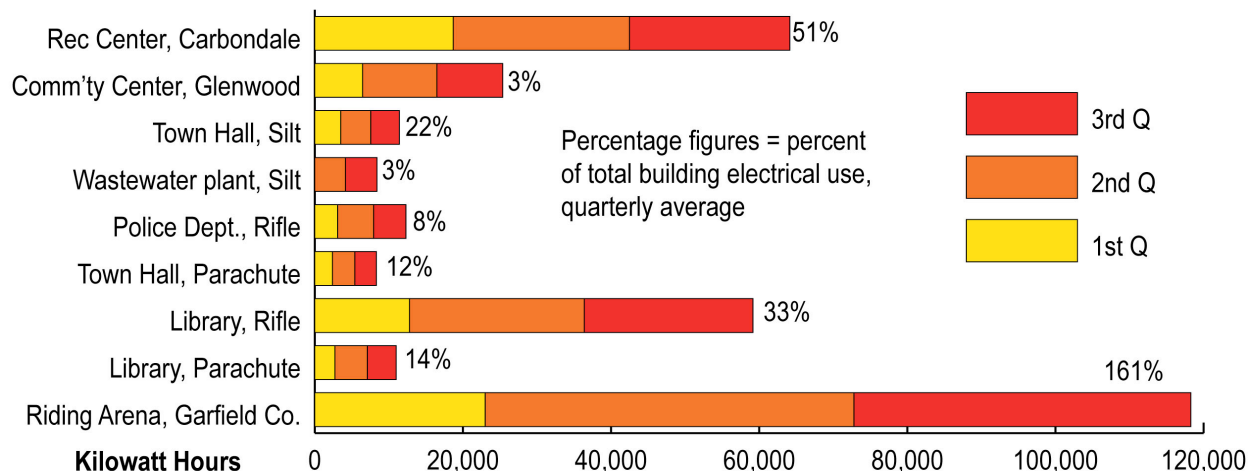
- **AEM:** Presented Active Energy Management resolution for board approval, which passed on May 8. Coordinated with partner governments for their adoption of the resolution: New Castle on May 21, Glenwood Springs on June 20, Rifle on July 1, Carbondale on Aug. 13, Parachute on Sept. 12.
- **CNG:** Initiated conversations with Colorado Department of Local Affairs at staff and executive director levels regarding a grant idea to help local governments with the cost of purchasing compressed natural gas (CNG) vehicles. Traveled to Denver on Sept. 16 for a special meeting with top-level DOLA staff to discuss options. DOLA must amend its policy to allow grants to be awarded for vehicles. The next step is a meeting set with DOLA Western Slope staff on Oct. 14.
- **Powering Up Colorado:** Researched Colorado’s standing for energy efficiency, researched how other states have shaped policies and funding for community-based energy programs and services. Organized a policy workshop, to be held Nov. 13 in Carbondale, that will bring together legislators, state government staff, economists and clean energy advocates to shape options for energy efficiency program funding mechanisms.

Salesforce database development

Background: CLEER has finished its work with Visual Data Consulting of Boulder to customize the Salesforce online database system for tracking partner buildings, residential and commercial projects. Salesforce is providing fast access to reports on energy savings and investments. CLEER staff used the database to identify nominees for the energy innovation awards and for this 3rd Quarter report. Q3 accomplishments include:

- Uploading past commercial participant data.
- Adding more features to Salesforce to incorporate time tracking and vehicle fleet tracking
- Continually tweaking to accommodate new install types and continually training staff to ensure they are using it.

SOLAR ELECTRIC OUTPUT FOR GCE MEMBER INSTALLATIONS, by kWh



>> Partner services for all 10 partners

Garfield County

- Provided a follow-up report on walk-through assessments at four Garfield County buildings, highlighting easy and high-ROI measures: Childhelp River Bridge and Health and Human Services (Mountain View Building) in Glenwood Springs, Community Corrections and Henry Building in Rifle.
- Presented annual partner report to Garfield BOCC on Aug. 12.
- Provided room occupancy instructions and signage to Garfield County staff.

Carbondale

- Provided a follow-up report on walk-through assessments and met with staff of the Carbondale and Rural Fire Protection District (via small outside contract with CLEER) to discuss Active Energy Management recommendations for low/no-cost savings.
- Presented annual partner report to Garfield BOCC on July 23.

Glenwood Springs

- Recommended thermostat settings at Red Mountain Water Treatment Plant have been implemented to maximize savings with existing heating system.
- Checked in with Red Mountain Water Plant and IT staff regarding installation and network programming of Navigator hardware, which was purchased and delivered in the 2nd Quarter. City staff replaced outdated networking equipment at the same time. Final data logger setup requires IP addresses from IT department; city staff estimate of IP address availability is late October.

New Castle

- Offered to provide support to the town to apply for a state grant for an electric vehicle charging station, but limited town budget will not allow for the project at this time.
- Observed higher utility costs at town wastewater treatment plant. CLEER will be scheduling a visit with treatment plant staff to discuss and troubleshoot.

Silt

- Presented annual partner report to Silt Board of Trustees on Sept. 9.
- Provided Navigator training to WWTP staff on July 25, followed up with report on active energy management recommendations.

Rifle

- Presented annual partner report to Rifle City Council on July 1.
- Conferred with Rifle Wastewater Treatment Plant operators regarding sudden drop in energy use. The WWTP team enacted measures recommended earlier by CLEER staff and achieved monthly kWh savings of up to 20%.
- Collaborated with City Council and city staff to highlight the Rifle stop on the Mesa-Garfield CNG Rolling Tour. Provided follow-up news story and photos to the Rifle Citizen Telegram.

Parachute

- Presented annual partner report to Parachute Board of Trustees on Aug. 8.
- Wrote article for the *Grand Valley Echo* on 20% energy savings achieved by Town of Parachute, published in July-August edition.
- Collaborated with Encana Natural Gas Inc. to publicize the grand opening of Parachute's CNG fueling station at the focal point of the Mesa-Garfield CNG Rolling Tour.

RFTA

- Collaborated with RFTA staff to host a stop on Mesa-Garfield CNG Rolling Tour, held Aug. 28. Stop included a tour of the CNG fueling facility and bus barn, and yielded media coverage in the Post Independent, "Region shifts toward CNG as fueling option," published Aug. 29.

Garfield Public Library District

- Provided technical spec requirements to facility manager, Jerry Morris, for connecting the new buildings in Carbondale, Glenwood Springs and Silt to the Energy Navigator. Met with Jerry to clarify specifications and sent follow-up emails to ensure the new buildings' energy use and solar offset can be tracked on the Energy Navigator.

Colorado Mountain College

- Continued with efforts to set up 40 CMC buildings across the college district on the Energy Navigator. Now awaiting final CMC approval so building energy data can go public.
- Performed weather-adjusted cost savings analysis on key CMC buildings to show energy use changes compared to CMC's baseline year prior to performance contracting.

4. Transportation

CNG efforts

- Supported monthly West Slope CNG Collaborative meetings with technical and administrative duties.
- Reached out to leadership of the Western Slope Colorado Oil and Gas Association to overcome conflict in monthly meeting dates. The West Slope CNG Collaborative will move its monthly meeting date to the second Thursday of the month to avoid the meeting conflict and encourage WS COGA board members to attend or call in for the CNG Collaborative meetings.

Electric vehicles

- Offered assistance to all GCE partners in submitting grant applications to seek state funding for EV charging stations. Grant-writing collaboration occurred with Rifle, Glenwood Springs, CMC, Library District and RFTA. Another round of grants is expected in 2014, so GCE partners will have another chance at this opportunity.
- Hosted the National Plug-In Vehicle Day event in Carbondale on Sept. 27, in partnership with Northern Colorado Clean Cities. Event drew a crowd of 30 and included a presentation, display of locally owned plug-in vehicles, vehicle test drives and participation from Mountain Chevy, a Glenwood Springs auto dealership.
- Provided information to local media and Glenwood Springs Chamber regarding the new Tesla-owned Supercharger station located at the Glenwood Meadows Marriott Hotel. The installation has six charge stations with dedicated parking spots; each can recharge power for 200 miles of driving in 30 minutes. The station is only compatible with Tesla Model S vehicles. Charging is free to Tesla owners.

Refuel Colorado Fleets

- Background: Refuel Colorado Fleets is an 18-month pilot project, funded by the Colorado Energy Office, aimed at accelerating the transition to alternative fuel vehicles. CLEER is managing the project, with energy coaching provided in nine counties by Garfield Clean Energy and three other community organizations.
- Organized and hosted the Mesa-Garfield CNG Rolling Tour on Aug. 28. The all-day tour, which started in Grand Junction and made stops in Parachute, Rifle and two in Glenwood Springs, highlighted CNG fueling stations and CNG vehicles, and brought together business leaders and decision-makers to build awareness and market demand for CNG. This event marked the kick-off of the Refuel Colorado Fleets energy coaching efforts in Mesa

and Garfield counties. It also continued to build the partnership between Garfield Clean Energy and Encana Natural Gas Inc. by focusing more attention on the grand opening event of the Encana CNG fueling station in Parachute.

- Planned a Glenwood Springs-focused meeting to build market demand for a CNG fueling station, set for Oct. 10. CLEER staff is calling owners and managers of any fleet that is based in or travels through Glenwood Springs to encourage attendance at the meeting. Fleets will also be encouraged to sign up for free energy coaching through the Refuel program.

Active transportation

- Through participation in the three-county Regional Trails, Biking and Walking Group, advocated for strategic planning for needed trail and safe route improvements in Garfield County. The group grew out of two GCE trail summits hosted in 2012, and is now seeking a \$100,000 grant from the Federal Transit Administration to fund a year-long planning effort to be carried out in 2014.
- Attendance at the Association of Pedestrian and Bicycle Professionals Sept. 9-12 in Boulder, on a 75% scholarship. Topics included funding, measuring success, linking public health and economic benefits to trail development and active transportation, and training in Complete Streets Design.

5. Publicity, marketing and website

Case studies: 2 in 3rd Quarter, 8 year-to-date

- **3rd Quarter case studies**
 - Toussaint-Ingram residence, Sept. 25
<http://www.garfieldcleanenergy.org/pdf/CaseStudies/Toussaint-IngramResidence.pdf>
 - Spirits of New Castle, Sept. 25
<http://www.garfieldcleanenergy.org/pdf/CaseStudies/SpiritsOfNewCastle.pdf>

Community outreach

- **Rifle Ranger District Open House:** July 15 in Rifle. Maisa Metcalf and Matt Shmigelsky attended the event and hosted a booth with loan and rebate information. We gave away five CFL bulbs and three people signed up for the Garfield Clean Energy Challenge.
- **Festival de las Americas:** Aug. 25 at Sopris Park in Carbondale. Three residents signed up for the Garfield Clean Energy Challenge, we gave away 15 light bulbs, and many people took hand outs. Maisa Metcalf got on stage and spoke in Spanish about the Garfield Clean Energy rebate program.
- **Two Neighborhood Energy Block Parties**
 - **Aug. 7 in the Crystal Village neighborhood.** We gave away 25 CFL bulbs, and seven residents signed up for the Energy Challenge. Residents met with energy coaches, building analysts, solar contractors, and insulation contractors. An auditor demonstrated a blower-door test and infrared camera. Energy coaches explained the rebate program.
 - **Sept. 9 in the Wheel Circle neighborhood.** Around 35 residents attended the Energy Block Party at GCE board member Allyn Harvey's house. This event was co-hosted with Holy Cross Energy. Residents met with energy coaches, building analysts, solar contractors, and insulation contractors. They received LED, CFL bulbs, grocery bags, and hot water heater insulating blankets. Holy Cross Energy signed up 12 residents for free energy audits.

E-blasts: 7

- July 23, "Project Refuel Colorado Announces Communities" (in conjunction with Northern Colo. Clean Cities)
- July 25, "Are you feeling hot?"
- Aug. 1, "Come to our Neighborhood Efficiency Party!"

- Aug. 26, “CNG Rolling Tour Wed., Aug. 28 - Register today”
- Sept. 12, “Energy Block Party in Carbondale Sept. 19”
- Sept. 18, “Celebrate National Plug In Day Sept. 27 in Carbondale”
- Sept. 26, “Garfield Clean Energy Innovation Awards Oct. 18”

Advertising placed

Print

- Sopris Sun: July 8, 11, 25 (2), 26 (Mountain Fair Guide); Aug. 8 (2), 15, 22; Sept. 26
- Glenwood Springs Post Independent: July 5, 23 (Glenwood solar), 24, 26, 30 (2); Aug. 2, 4 (2), 5, 6 (2), 7, 9, 11, 12, 13, 14
- Rifle Citizen Telegram: July 25; Aug. 1, 8, 15
- Grand Valley Echo: July 15, Aug. 15
- Aspen Daily News (joint GCE-EnergySmart ads): July 5, 12; Aug. 9, 23, 30
- Aspen Times (joint GCE-Energy Smart ads): July 26

Broadcast

- July to September, general & rebates
- KMTS 6 spots/week; KAJX 2 spots/week; KDNK 5 spots/week
- Glenwood solar: KMTS 3 spots/week

Additional advertising

- Glenwood Springs LED lighting rebate flyer
- Rolling Tour flyer, “What Is Energy Coaching?” fact sheet, “The Case for CNG” fact sheet
- Bike & Walk to School Challenge poster
- Screen shots on Glenwood Springs, Rifle, and Grassroots television

Chamber newsletters: (announcements of GCE’ rebates, events, and other programs)

- Carbondale, July 3, 17, 23; Aug. 5, 22 ; Glenwood Springs, Aug. 2, 5; New Castle, July 18

3rd Quarter earned media: 40 articles

Media outlets	Article topics
Glenwood Business Journal: 7	Grand Valley Rec Center lighting case study, Summer rebate push, Refuel Colorado Fleets (2), Plug-in vehicles, LED lighting, New energy coaches
Sopris Sun: 4	Mi Casita case study, Summer rebate push, Carbondale Library energy aspects, Innovation Awards
Glenwood Springs Post Independent: 15	Third Street Center solar output, Don Weller case study, Summer rebate push, Refuel Colorado Fleets, Glenwood CNG station (2), EV charging in Carbondale, Plug-in vehicles, Carbondale energy program, Rolling Tour advance, Rolling Tour coverage, Silt GCE membership, Spirits of New Castle case study, Nat’l Plug-In Vehicle Day, Carbondale GCE membership
Rifle Citizen Telegram: 1	Summer rebate push
Aspen Business Journal: 1	Plug-in vehicles
Grand Valley Echo: 3	Old Mountain Jewelry case study, Town of Parachute energy savings, Rolling Tour advance
Daily Sentinel: 2	Refuel Colorado Fleets, Rolling Tour coverage
Aspen Times: 1	Third Street Center solar output,
KAJX public radio: 1	Refuel Colorado Fleets
KREX TV: 2	Rolling Tour, Grand Junction and Parachute coverage
KJCT TV: 1	Rolling Tour coverage
KMTS AM: 2	Refuel Colorado fleets, Rolling Tour coverage

Year-to-date earned media: 70 articles

By media outlet	
KREX TV: 2	
Glenwood Spgs Post Independent: 28	KJCT TV: 1
Sopris Sun: 10	KMTS AM: 2
Durango Herald: 1	
Steamboat Today: 1	By article topic
Treatment Plant Operator magazine: 1	GCE partners acting on energy-related topics: 8
Glenwood Business Journal: 9	GCE outreach and getting noticed: 9
Summit County Citizens Voice: 1	Case study features: 6
Rifle Citizen Telegram: 2	Renewables: 8
Channel 7, Denver: 1	Summer rebate push: 4
Aspen Business Journal: 3	Refuel Colorado Fleets and CNG: 25
Grand Valley Echo: 4	Transportation / Electric vehicles: 5
Daily Sentinel: 2	Transportation / Bike and Walk to School Challenge: 3
Aspen Times: 1	Energy Navigator: 1
KAJX public radio: 1	Lighting: 1

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

Website usage, July 1 to Sept. 30, 2013, according to Google Analytics

Total visits: 4,224	Top 5 pages
Unique visitors: 2,572	Home page
Tablet/smartphone visitors: 575	Residential heat tape
Page views: 8,814	Garfield Clean Energy Challenge for Homes
New visits: 59 %	Residential rebates landing page
Returning visitors: 41 %	Refuel Colorado Fleets

Website usage, Jan. 1 to Sept. 30, 2013, according to Google Analytics



Total visits: 12,265	Top 5 pages
Unique visitors: 7,850	Home page 22%
Tablet/smartphone visitors: 1,716	Residential heat tape 14%
Page views: 23,157	Garfield Clean Energy Challenge for Homes 5%
New visits: 63%	Residential rebates landing page 5%
Returning visitors: 37%	Electric vehicles 4%

6. Administration

Ongoing coordination, management of all services, programs

- Organized and prepared materials for July, August and September GCE board meetings.
- Launched planning effort for 2013 Garfield Clean Energy Innovation Awards event.

Finance matters

- Worked with bookkeeper Janet Obeji to prepare July, August and September financial reports.
- Provided requested documents and information to McMahan & Associates for audit of GCE 2012 books and finalized audit process.
- Filed amended 2012 GCE budget with Colorado Division of Local Government.
- Developed draft budget for 2014 and made in-person budget request presentations to eight of the 10 GCE member boards for 2014 budget contributions.