

CLIMATE ACTION COLLABORATIVE

2019 ANNUAL REPORT



Built Environment
Residential & Commercial



Education
& Outreach



Transportation
Fuel Emissions



Energy
Grid & Renewable



Waste
Materials Management



Citizen
Working Group

Be a Part of Our Story

The Climate Action Plan (CAP), formalized in 2016, was the catalyst that brought our community together to systematically address global climate change at a local level. Since the Climate Action Collaborative’s formation in 2018 the Eagle County Community has come together and demonstrated how powerful community-led action can be. We’ve evolved with new technologies, and the latest in climate research and continue to challenge ourselves to be innovative leaders as the rest of the world grapples with the same challenge.

We are a Collaborative of elected leaders, businesses owners, and most importantly, concerned residents of Eagle County who’ve decided to do our part to reduce our impact in order to protect this place for generations to come. 86% of our community believes “local government should take action on climate” and that’s exactly what the Climate Action Collaborative is enabling.

While reducing local carbon pollution is our number one goal, we also recognize that we have an opportunity to build a better Eagle County using principles of sustainability to guide our decision making. Building community interconnectedness, accessible transportation options, reducing our waste, and creating infrastructure that is powered by renewable energy - this is the vision we are working towards.

We are writing the narrative for a future. The narrative of zero-carbon Eagle County and we want you to join the story. We want every person in Eagle County to feel empowered to join the conversation and help us build a better tomorrow.

#BeBetterTOGETHER

> Cover photo by Matt Inden Photography

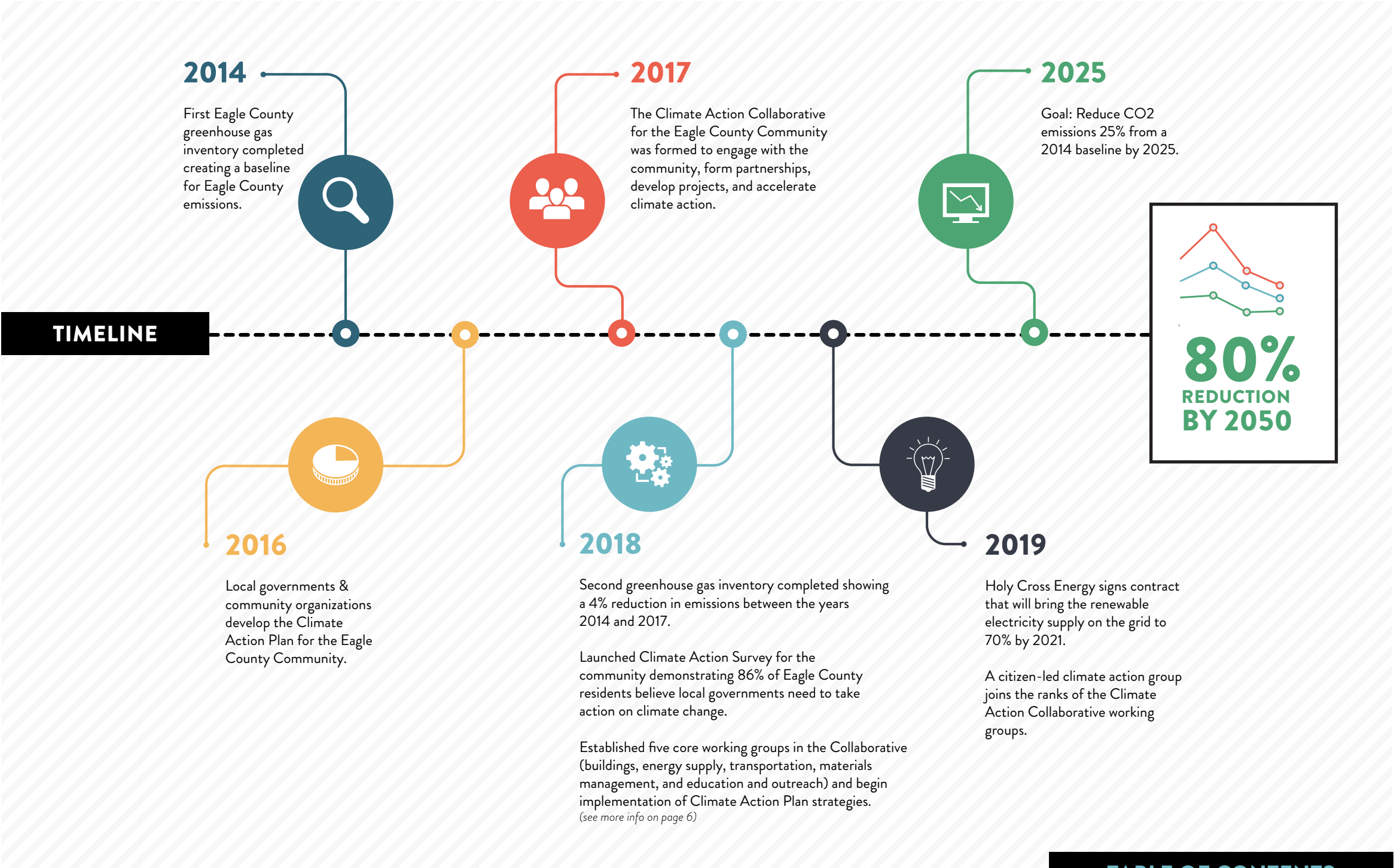


TABLE OF CONTENTS

1	Be A Part of Our Story	11	Materials Management 2019 Highlights
3	Why This Work Matters	12	Reducing Community Carbon Emissions
6	Climate Action Plan in Action	13	2020 Priorities
7	Addressing Emissions in Each Sector	15	Inspiring Actions
7	Buildings 2019 Highlights	15	Day by Day Action
8	Energy Supply 2019 Highlights	17	Community-Wide Action
9	Education & Outreach 2019 Highlights	19	Bold Actions in Eagle County
10	Transportation 2019 Highlights		

Why This Work Matters

The communities within Eagle County are a collection of small mountain towns whose livelihood is dependent, in large part, on tourism. In fact 43% of the jobs in Eagle County are tourism based. We are one of many small communities in Colorado that benefit from our beautiful surrounding landscapes and the people from around the world who want to visit them.

Every person who has chosen to live in this beautiful place has access to nature, peace, inspiration and adventure.

Surrounded by an abundance of nature, we can forget the effects of global warming on our community and that we are not exempt from climate change. This ‘global warming’ is due to the release of billions of tons of greenhouse gases into our atmosphere every year. These gases at the highest levels recorded in history, are the cause of slow and steady warming. Eagle County is responsible (as of 2017) for 1.28 million metric tons of CO2 equivalent emissions into our atmosphere. While we can’t affect the emissions from the world - we can be leaders in demonstrating what’s possible when a community aligns itself around a goal of protecting our place.

The Climate Action Collaborative has decided that the uncertainty of a changing climate is too large of a risk to stand inactive.



We recognize we have the opportunity to bring our communities emissions down to zero and lead other communities down the same path. This place we love is at risk, but together we can ensure we are doing all we can to protect this place we call home.



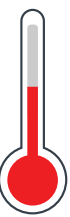
Climate Change Impacts on Eagle County

PRECIPITATION

Snow as a share of precipitation is projected to decrease from **73% to 43%** meaning we will be retaining less water than ever before in our mountain environment.

SNOWPACK

Our snowpack is melting away **1-4 weeks** earlier than past years, leaving less water for us to use in the hotter, drier summer months.



TEMPERATURE

Average temperature has increased **1.4 degrees** in Colorado. Anticipated changes account for another 3 degree increase into the mid-century.

WILDFIRES

Wildfire frequency is expected to increase **5-15 times** the current frequency and the burn areas will be 2 to 7 times greater.





> Gore Creek River above Betty Ford Alpine Gardens

Climate Action Plan in Action

To read *Climate Action Plan Strategies* in full, visit ClimateActionCollaborative.org

The Eagle County Climate Action Plan has a goal to reduce carbon emissions in our buildings, our transportation, our waste and our power supply, 25% by 2025 and 80% by 2050. In order to achieve these goals, our local Collaborative partners helped us create a suite of strategies to achieve our goals.

BUILDINGS	
Provide every home with a home energy assessment and expand access to rebates for energy efficiency projects	
Partner with local utilities to provide economic incentives for energy efficiency	
Adopt stricter building code regulations	
Encourage every community to adopt fees/renewable offset for exterior energy usage including pools, spas, and snowmelt	
Promote & incentivize efficient use of water	
Provide incentives for large commercial buildings to track energy use through benchmarking	
Provide support & incentives for rental units to make energy efficient upgrades	

TRANSPORTATION	
Expand the network and use of electric vehicles	
Encourage multi-modal transportation systems in our communities	
Consider free or reduced cost bus service	
Continue to pursue rail transit or bus rapid transit	
Strive for efficient land use patterns with housing in proximity to workplaces	

ENERGY SUPPLY	
Encourage utilities to set aggressive GHG emission reduction goals	
Identify locations for local solar arrays	
Encourage every community to adopt fees/renewable offset for exterior energy usage including pools, spas, and snowmelt	

EDUCATION & OUTREACH	
Establish County-wide climate education team and marketing campaign	
Use social science research on climate change and education to inform outreach strategies	
Expand Actively Green, Energy Smart, CMC Sustainability Studies, and K-12 educational opportunities	
Leverage special event platforms to change behaviors	
Create climate action “tool kit” to share throughout community	
Soil-health education to improve carbon sequestration in community	

MATERIALS MANAGEMENT	
Add more opportunities for diversion of hard-to-recycle items	
Add new programs and infrastructure to increase recycling and composting	
Support sustainable purchasing policies and practices for local governments and businesses	
Set a waste diversion goal that is above the national average	
Address waste diversion in multi-family buildings	
Divert 30% of organics by 2030	

KEY	
Implemented and Ongoing	
Planning and Development	
Future Consideration	

ADDRESSING EMISSIONS

Partner Work Highlights

- ✓ Holy Cross Energy exceeded its energy efficiency goal by one million kWh of electricity. In total, energy efficiency projects in 2019 saved an estimated 7.6 million kWh's of electricity.
- ✓ HCE and local partnerships helped develop a net-zero affordable housing complex in Basalt with onsite controllable distributed energy resources.
- ✓ Vail Resorts reduced total resort energy usage by 5% by upgrading lighting, building controls, and HVAC systems.
- ✓ 167 homes received comprehensive home energy assessments through the Walking Mountains Energy Smart Colorado program.
- ✓ Eagle County School District reduced electric demand by 469 kW/ month and energy use by 1.5 million kWh/year through LED lighting upgrades to facilities.

BUILDINGS



SUSTAINABLE BUILDING CODE TASK FORCE

created set of recommendations for

STRICTER BUILDING CODE REGULATIONS

3 **US GREEN BUILDING COUNCIL EVENTS**
 Focused on designing for innovation, building code compliance, LEED rating system training, and sharing innovative local building projects and applied technologies

13 LED SWAPS

with a combined impact of

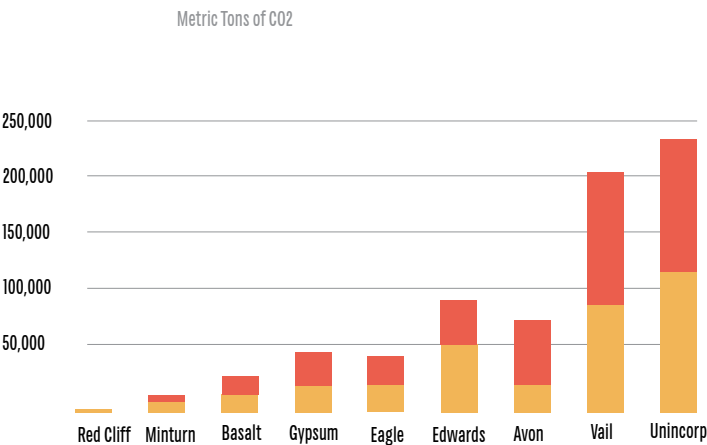
2143
LIGHT BULBS
SWAPPED OUT
52.4
METRIC TONS
of CO₂e SAVED



\$10,495.41
SAVED
IN ENERGY BILLS

Building Emissions per Community 2017

■ Residential ■ Commercial



ENERGY SUPPLY



Eagle River Water & Sanitation District, Eagle County, Town of Avon, Town of Vail, and Walking Mountains Science Center

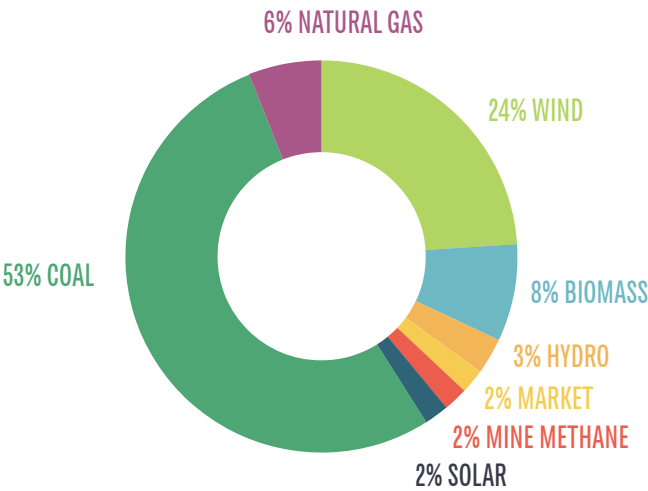
ALL PARTICIPATED IN 100% RENEWABLE PURCHASING PROGRAM PuRE



LAUNCHED 100% RENEWABLE ENERGY CALCULATOR for Xcel & Holy Cross Energy

Holy Cross Energy Electricity Supply Mix 2017

Total Renewable Energy = 39%
 GOAL: 70% Renewable Energy by 2030



Partner Work Highlights

- ✓ Holy Cross Energy brings more renewable energy onto local electric grid including 100 MW of wind for commercial operation in late 2020 and 30MW of solar.
- ✓ Vail Resorts signed a virtual power purchase agreement to buy 310,000 MWhs/year for 10 years from a wind farm in Nebraska. This purchase is equivalent to Vail Resorts 2019 North American electricity load.
- ✓ 69 homes received a solar rebate through Walking Mountains Energy Smart Colorado Program for solar PV installed on the home.
- ✓ Town of Avon and Town of Eagle hosted PuRE Purchasing events in partnership with Holy Cross Energy - incentivizing residents to switch to 100% renewable electricity.

Partner Work Highlights

- ✓ Minturn becomes Actively Green Certified.
- ✓ Vail Valley Partnership offers free Actively Green Trainings to all members.
- ✓ Eagle River Water & Sanitation District hired the first full time sustainability coordinator.
- ✓ Vail Health started a Environmental Sustainability Department with two additional hires.
- ✓ Vail, Avon, and Eagle County participated in the Colorado Communities for Climate Action group to advocate for sustainability policy at the state level.
- ✓ Over 150 community members participated in 20+ tours of the Eagle County Solid Waste & Recycling facilities (recycling tours).

EDUCATION & OUTREACH

24 COLUMNS
in Vail Daily
& HOME Magazine

4
QUARTERLY NEWSLETTERS

72
COLLABORATIVE MEETINGS

7
LOCAL GOVERNMENT PRESENTATIONS



COMMUNITY PRESENTATIONS ON CLIMATE ACTION COLLABORATIVE WORK

EVENTS

A CLIMATE CONVERSATION
with Jules Kortenhorst
CEO of Rocky Mountain Institute
80 attendees

LAKE CREEK CLEAN UP DAY
30 attendees

COMMUNITY CLIMATE CHECK-UP
Climate Reality Project Chapter
60 attendees

TRANSPORTATION



FIRST EV FAST-CHARGING STATION

installed at Eagle Park n Ride.

EV Subcommittee formed with the **GOAL OF INSTALLING A LEVEL 3 CHARGER** at each exit in Eagle County.



Solepower participants **LOGGED OVER 38,500 MILES & REDUCED OVER 35,300 POUNDS** of carbon from entering the atmosphere

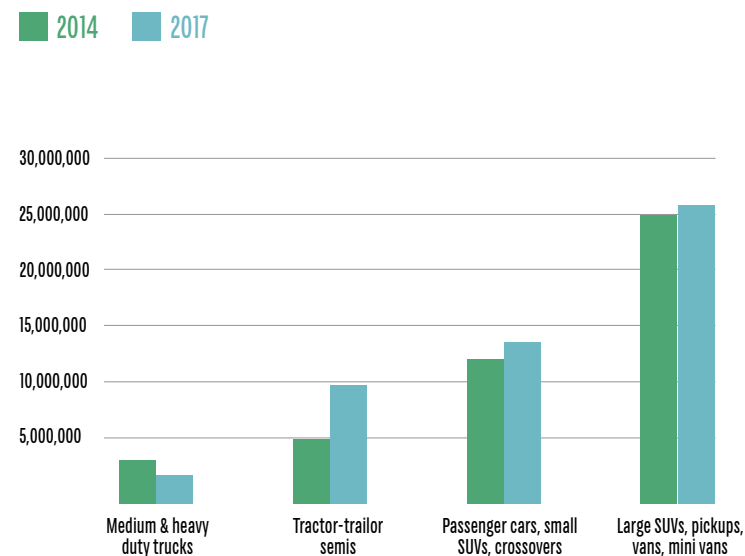
E-BIKE PROMOTION

120 attendees

hosted with Town of Vail, Climate Action Collaborative, Eagle County, and local e-bike vendors.



Eagle County Energy Use By Vehicle Class 2014 & 2017
Thousands of Gallons



Partner Work Highlights

- ✓ Eagle-Vail provided a community skier shuttle bus program which reduced over 3,500 automotive trips to Vail and Beaver Creek.
- ✓ New EV Charging Infrastructure in 2019.
 - Eagle River Water & Sanitation District added four EV charging stations through a ChargeAhead Colorado grant.
 - Holy Cross Energy installed 100 home chargers, nine Level II commercial chargers, and two DC fast-charging community chargers.
 - Vail Resorts installed five Level II electric vehicle chargers for employees at Beaver Creek and Vail.

- ✓ ECO Transit saw a ridership increase of 58,426 passengers in 2019 with our total annual ridership of 1,117,311 trips.
- ✓ Vail and ECO Transit awarded grant funding to purchase four and three EV buses for their respective fleets.

- Partner Work Highlights**
- ✓ Eagle-Vail Implemented a Christmas tree recycling program for community.
 - ✓ 90 days of zero waste events throughout the community with an average diversion rate of 77%.
 - ✓ In 2019, The Community Market prevented more than 257,000 lbs of food from going to waste through food rescue program.
 - ✓ Town of Eagle yard-waste facility hours of operation expanded.
 - ✓ Honeywagon Organics compost experienced an 80% increase in material processed at local compost facility.
 - ✓ Honeywagon Organics partners with communities to provide compost drop sites in the following locations; Avon, Singletree, Eagle, Eagle-Vail, Minturn, and Vail.
 - ✓ The CAC hosted a clean up day at Lake Creek Village in partnership with the Eagle River Watershed Council where we collected 575 lbs of trash and 96 lbs of recycling off the ground and removed 175 tires from the river.

- ✓ Three community hard-to-recycle events

MATERIALS MANAGEMENT



LAUNCHED FIRST EAGLE COUNTY RECYCLING GUIDE

in English and Spanish

FROM 2018-2019:

Recycling Rate
increased from

26% to 28%

Overall Diversion Rate
increased from

17% to 20%



Material Diverted at Eagle County Solid Waste & Recycling

1,016 tons clean tree wood,
wood chips, and metal.

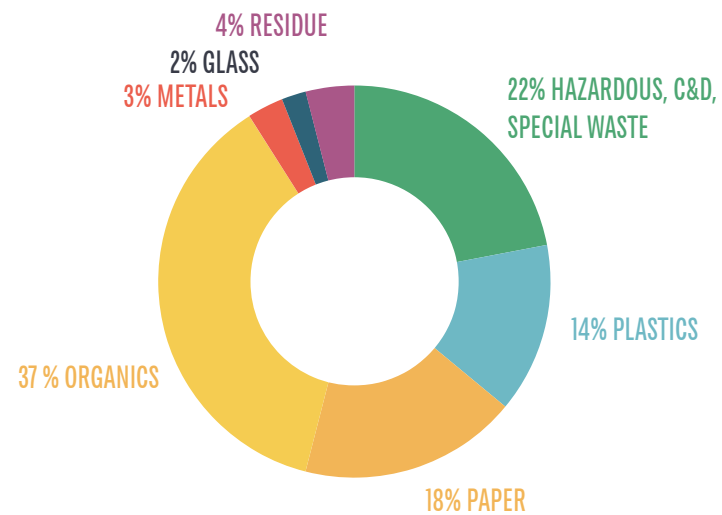
1,417 tons of concrete and
clean dimensional lumber.

93.5 tons of electronics
recycled through the Household
Hazardous Waste Facility.

2,395 tons recycled at the
Eagle County Recycling center.

Eagle County Solid Waste 2017

By Category



Carbon Impact Report

Achieving our Climate Action Plan goals requires ongoing tracking of efforts to reduce local greenhouse gas emissions. In 2019, we tracked the impact of three local sustainability programs and initiatives, Walking Mountains Energy Smart Program, the Town of Vail sponsored SolePower Challenge, and LED Swaps, an initiative through the Collaborative. These programs are a small snapshot of the emission reduction work ongoing in Eagle County. In a emission report will be ready in our 2020 Greenhouse Gas Inventory to be completed at the end of 2020.

2018 CARBON REDUCTION

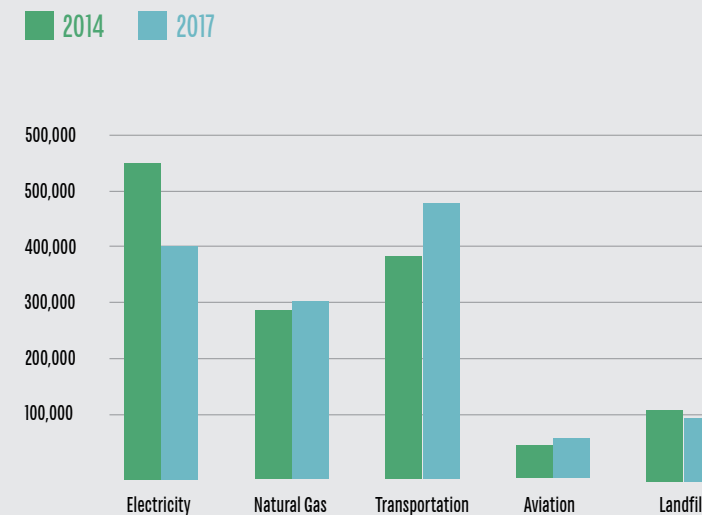
2,143 METRIC TONS of CO₂
ELIMINATED

2019 CARBON REDUCTION

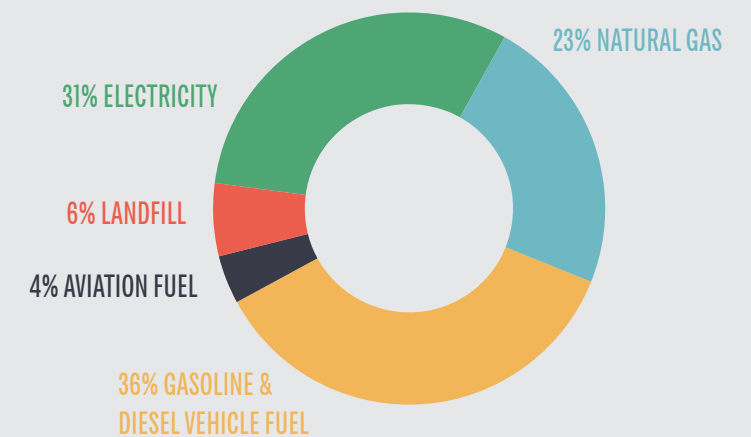
1,536 METRIC TONS of CO₂
ELIMINATED

Eagle County Change in Emissions by Sector

Metric Tons of CO₂e



Eagle County Emissions by Source





Climate Action Collaborative 2020 Priorities

The Climate Action Collaborative identified our top priorities in 2020 to begin immediate drawdown of carbon emissions in our community; using data from our greenhouse gas inventory, forecasting, and modeling to determine which strategies have the largest potential to stop carbon pollution in Eagle County.

BUILDINGS

- Adopt building code recommendations at Eagle County and local municipalities (and align with municipalities on adoption schedule).
- Pilot test B3 Benchmarking program for seven Collaborative partners.
- Provide incentives and education on beneficial electrification for contractors, homeowners, and businesses.
- Continue to build on the success of LED Swaps and US Green Building Council Events.

EDUCATION & OUTREACH

- Launch behavior change social marketing campaign for leaving the car behind 2x per week.
- Work with local governments and businesses to adopt commuter incentive programs for employees.
- Share Collaborative success stories with the community.
- Provide educational opportunities to the community through all sectors to increase knowledge and understanding of climate change and steps they can take in their personal lives.

ENERGY SUPPLY

- Increase participation in Holy Cross Energy’s PuRE program.
- Provide incentives for beneficial electrification, and eliminate incentives for natural gas appliances in community energy programs.
- Support development of new local renewable energy projects.
- Pilot new technologies related to energy storage, demand response, and heat capture.

TRANSPORTATION

- Increase bus ridership and develop a robust transportation system through new tools including mobile fare payment, transit hub, and real-time bus tracking.
- Support rapid adoption of electric vehicles by installing fast charging stations in each community.
- Expand and promote public transportation options for community events.
- Pilot electric-bike share and expansion of traditional bike share throughout the County.
- Support the behavior change social marketing campaign to leave car behind 2x per week through implementation of multi-modal transportation infrastructure in the community.

MATERIALS MANAGEMENT

- Expand yard waste diversion infrastructure for landscapers and public.
- Increase diversion of construction and demolition (C&D) waste through building codes, the C&D Diversion program at Eagle County landfill and initiatives created by the C&D subcommittee.
- Expand textiles recycling program.
- Develop systems to decrease wasted food and divert food waste through composting, while continuing education efforts on compost.
- Expand zero-waste events in our community.
- Implement recycling grant program in conjunction with Eagle County School District to ramp up waste diversion efforts in local schools.

INSPIRING ACTION

Day to Day Action

Global climate change is an overwhelming issue when looked at through the eyes of a single person on a planet of more than 6 billion people. It's important to remember that our decisions **every day** can support the change we want to see in the world or it can hinder it. We are the only power that exists. We elect our representatives, we make our voices heard, we have purchasing power over the products and services we buy and the places we invest our money. **We are not powerless, we are powerful** - when we realize that power, collective action can kick start real change our planet needs to support human life into the future.

So, how do you start? First, it's important to understand where you can have an impact. Answer these questions to better understand where small changes can be made to generate big impacts.



What type of energy is powering your home? Gas or electricity?

Electricity in Eagle County will soon be powered with over 70% renewable electricity. As our utilities work towards 100% renewable electricity, the emissions from electricity will move to zero. If your home or business is powered with natural gas, you can replace that equipment (when it's useful life is over) with an appliance that runs off clean and renewable electricity. In the meantime, offset your current electricity usage with 100% renewable electricity through Holy Cross Energy's PuRE Program.

Have you had a conversation with friends about climate change? Do you ever challenge your family and friends to be better?

Start a conversation! 86% of individuals in Eagle County are concerned or alarmed about climate change. The majority of the community is on board, so let's hold each other accountable to be better.

How much do you throw out, compost or recycle at home?

When food goes to a landfill, it breaks down without oxygen and produces methane gas. Methane is one of the most powerful greenhouse gases and can easily be avoided if organic material isn't thrown out but composted instead -- 37% of our trash is food or other organic material.

Composting also decreases the amount of trash you collect and keeps you bin smelling better, longer.

Recycling is not only easy, it can be free -- there are five free drop offs in Eagle County. Review the Eagle County Recycling Guide to learn how you should recycle at home and at work. Reference the guide at walkingmountains.org/recycleguide.





Take the first step with us to address a global problem in our own backyard. Do you want to #bebettertogether with the rest of the community? View these tips, explanations, guidance and more about your next steps at:

www.walkingmountains.org/sustainabilitytips

What are you buying?

We can all impact the amount of waste we produce by paying close attention to the things we purchase and the packaging they come in. If the majority stops buying harmful and wasteful products, companies will adapt to more sustainable ways. Use your dollars wisely and put your money with your intentions are.

When you buy, think about buying in bulk, buying local, staying away from single-use plastics and other products pumped with chemicals.

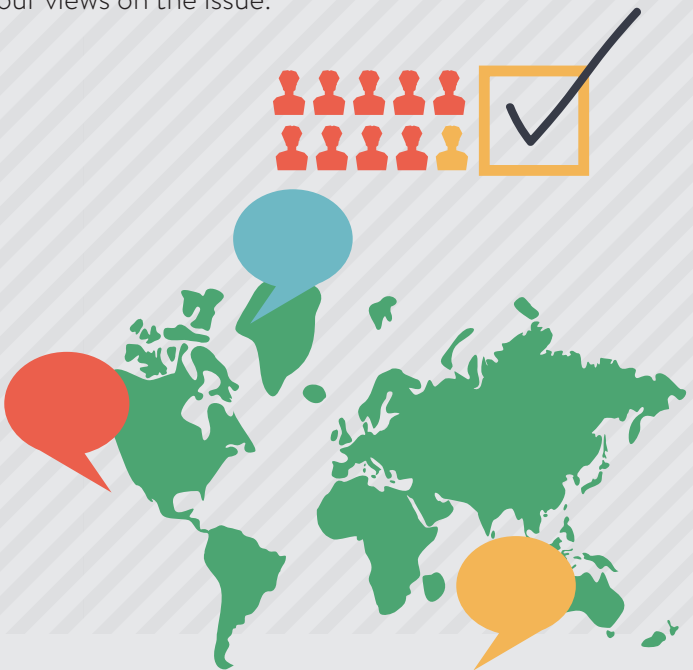
How do you get around town? Do you drive alone, take the bus, bike or walk?

If Eagle County residents left their cars behind 2x per week on their work commute we would prevent 233,000 tons of CO2 from entering our atmosphere every single year. That would be the equivalent to planting 3,852,704 trees.

If you need a car to move about, and are buying new - consider moving to an electric vehicle. They have zero tailpipe emissions and the power that runs them will soon be 100% renewable, clean electricity.

Who are you electing to represent you?

Elected leaders in our community, state, and nation yield significant power in changing the systems we, as individuals, don't have control over. But you know where our control lies? In who we elect to yield that power. Make sure your elected officials in our community know your views on the issue.



Community - Wide Action

Where Do We Need to Go?

The Climate Action Collaborative recognizes that in order to achieve our greenhouse gas (GHG) emission reduction goals, we need every sector of our community to take on a leadership role in implementing the strategies that will get us there. This year, the Climate Action Collaborative modeled different carbon reduction strategies to see which would be the most impactful in quickly reducing our Eagle County carbon footprint to zero. These strategies will require engagement with the **entire** community, not just local governments, or businesses, or individuals.

Visit: walkingmountains.org/partnerupdates to learn about the modeled strategies in full.

ELECTRIC VEHICLE (EV) ADOPTION

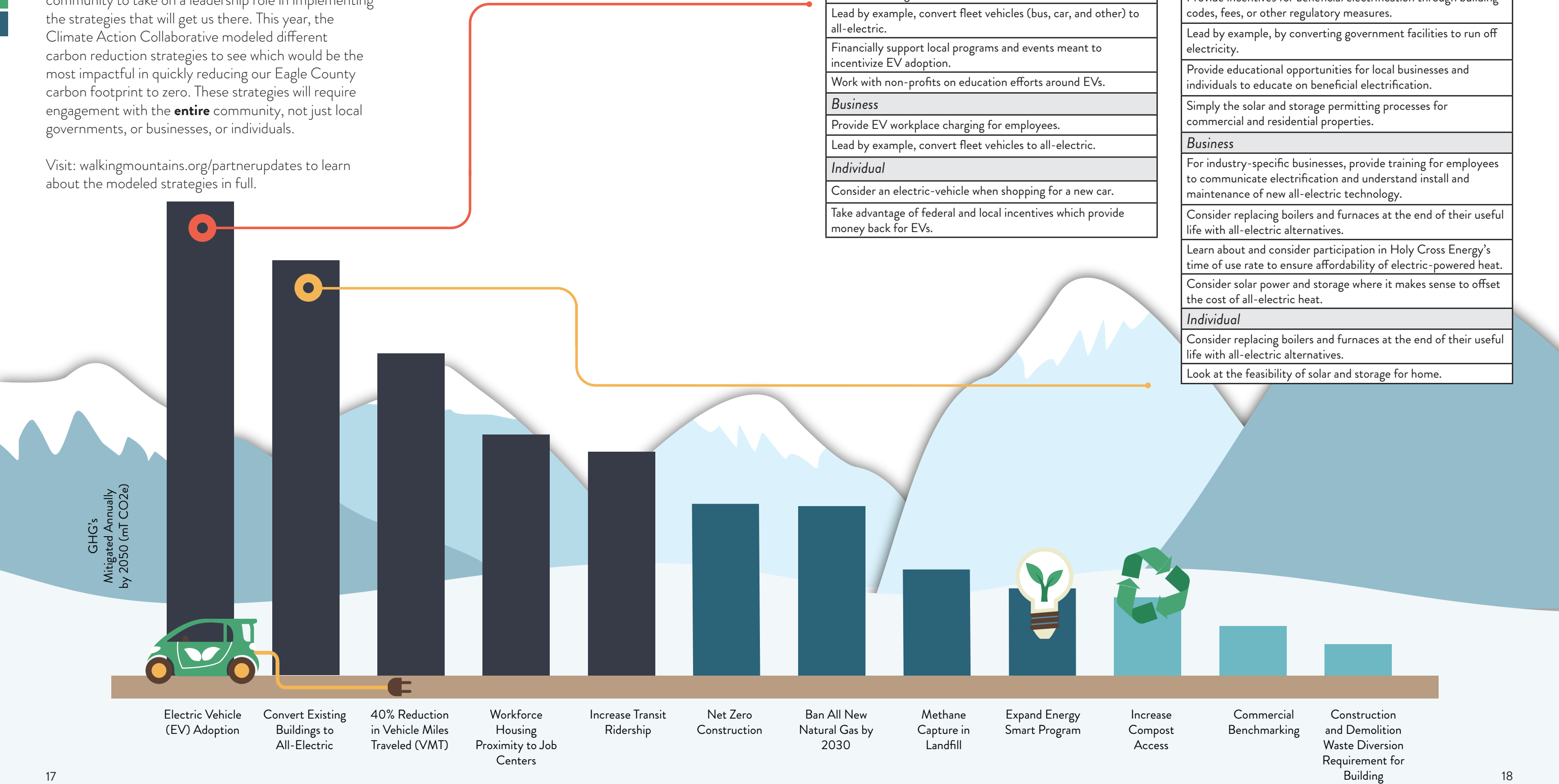
2% EV adoption from 2021 until 2030.
5% EV adoption from 2030 until 2050.

Local Governments
Support build out of EV charging infrastructure through land-use and building codes.
Lead by example, convert fleet vehicles (bus, car, and other) to all-electric.
Financially support local programs and events meant to incentivize EV adoption.
Work with non-profits on education efforts around EVs.
Business
Provide EV workplace charging for employees.
Lead by example, convert fleet vehicles to all-electric.
Individual
Consider an electric-vehicle when shopping for a new car.
Take advantage of federal and local incentives which provide money back for EVs.

ELECTRIFICATION OF BUILDINGS

Annual 5% conversion of existing residential and commercial buildings.

Local Governments
Provide incentives for beneficial electrification through building codes, fees, or other regulatory measures.
Lead by example, by converting government facilities to run off electricity.
Provide educational opportunities for local businesses and individuals to educate on beneficial electrification.
Simply the solar and storage permitting processes for commercial and residential properties.
Business
For industry-specific businesses, provide training for employees to communicate electrification and understand install and maintenance of new all-electric technology.
Consider replacing boilers and furnaces at the end of their useful life with all-electric alternatives.
Learn about and consider participation in Holy Cross Energy's time of use rate to ensure affordability of electric-powered heat.
Consider solar power and storage where it makes sense to offset the cost of all-electric heat.
Individual
Consider replacing boilers and furnaces at the end of their useful life with all-electric alternatives.
Look at the feasibility of solar and storage for home.



Bold Action on Climate Change in Eagle County



THE COMMUNITY MARKET

- Prevented over 275,000 lbs of food from going to landfill through food rescue program. Partners for food rescue include Costco, three City Markets, Village Market, Ridley’s Market, two Starbucks stores and Walmart.
- Sourced more than 22,000 lbs of fresh produce from local farms.
- Served over 14,000 people served a total of 80,000+ meals.
- 40,867 customer visits to the Community Market.
- Diverted 14,700 pounds of compost, 9,700 pounds of recycling, and 750 pounds of food waste to animal feed.
- Nearly 300 volunteers donated over 3,500 hours of time to The Community Market.



EAGLE COUNTY EAGLE COUNTY GOVERNMENT

- Adoption of 100% renewable electricity through Holy Cross Energy’s PuRE Program.
- Installed the Valley’s first EV fast-charging station at the Eagle Park & Ride. and added four more EV charging stations through a Charge Ahead Colorado grant.
- Air sealing and insulation improvement at Airport Terminal Building.
- Development of Community Resilience Plan.
- Expansion of EVs in the County fleet.
- Completion of Eagle Valley Trail through Horn Ranch.
- 2,143 LED bulbs deployed through LED Swap events.

EAGLE COUNTY SOLID WASTE & RECYCLING

- 1,016 tons of material diverted at the landfill (clean tree wood, wood chips, and metal).
- 1,417 tons of construction and demolition material diverted from the landfill (concrete and clean dimensional lumber).
- 93.5 tons of electronics recycled through the Household Hazardous Waste Facility.
- 2,395 tons processed at the Materials Recovery Facility for recycling.
- Received \$20,310 in rebates for operating free public recycling sites.
- Provided over 20 educational tours of the Solid Waste & Recycling facilities.



EAGLE COUNTY SCHOOL DISTRICT

- Completed LED retrofits in 14 district facilities by 2018.
 - Over 10,000 fixtures retrofitted
 - New dimming capability for most systems
 - Reduced Electric demand by 469 kW/month and energy use by 1.5 million kWh/year
 - Reduced 921 metric tons of carbon emissions per year
 - 50% reduction in annual cost for lighting
- District wide energy audits were conducted to identify energy efficiency improvement opportunities.



EAGLE RIVER WATERSHED COUNCIL

- The Watershed Council has recycled for years and has purchased paper products made from recycled content. This year we implemented composting in our office and at our events.
- We have moved into a new office, complete with a programmable thermostat, full LED lighting and a well-sealed building envelope.
- The first-annual Eagle River Water Festival in September was a zero-waste event.
- The Watershed Council focuses much of its time in the summer on restoration projects, all of which benefit the local watershed and in turn, our climate. We often work in riparian zones along the river, reconnecting floodplains and wetlands to the river.
- In 2019, we continued to work with 45 stakeholder groups to create the Eagle River Community Water Plan. When completed in 2020, the Plan will recommend actions that safeguard current water uses in the Eagle Valley, including environmental and recreational, while preparing our community for a future with further constraints on water and river health due to climate change and population growth.



EAGLE RIVER WATER & SANITATION DISTRICT

- Participated in Holy Cross Energy’s PuRE program, offsetting 100% of our total annual electricity use via wind energy.
- Hired our first full time sustainability coordinator in May 2019.
- Won the Actively Green Climate Impact Award for total emissions reductions.
- Reduced a total of 322 metric tons of GHGs.
- EV usage – 4.9 metric tons reduced.
- Composting – 5.62 metric tons reduced.
- Peak Demand Rebate Pilot Program – 10+ metric tons reduced

- Energy efficiency/optimization of the wastewater treatment process – 32.47 metric tons reduced.
- Participated in the Peak Time Rebate Pilot Program through Holy Cross Energy.
- Participated in Holy Cross Energy’s Peak Time Rebate Pilot Program. Through 18 peak time shut-off events we achieved an average 60% energy load reduction per event, an overall 5% reduction in electricity use at the Edwards Wastewater Treatment Facility, and earned \$18,750 through peak time rebates.
- Upgraded to LED lighting in Avon wastewater treatment plant and offices saving ~257,776.25 kWh and \$29,946.29 Avon plants and administrative offices (annual estimate).
- Initiated district-wide energy benchmarking.
- Implemented compost and recycling at every facility and at district-hosted events.
- Completed a Climate Action Collaborative walk through and implemented window tinting recommendations.
- Began recycling gloves district-wide through Terracycle.



EAGLE-VAIL METRO DISTRICT

- Participated in the Climate Action Collaborative program and established a goal for the community for 2020.
- Reduced summer recreational water use by 12%.
- Implemented Xmas tree recycling program for community.
- Implemented community yard waste clean-up day.
- Partnered with Vail Health to provide shuttle bus parking for their employees.
- Provided community skier shuttle bus program. Reduced over 3,500 automotive trips to Vail and Beaver Creek.
- Completed Phase 1 of the Stone Creek Restoration Project improving water quality and wildlife habitat in the watershed.
- Restructured maintenance operations to reduce the amount of equipment used on an annual basis by 10%.



EDWARDS METRO DISTRICT

- New recycling bins were installed in Riverwalk with Recycle Across America standardized signage.
- Completion of the Edwards roundabout, to help cut congestion and limit air pollution.
- Hosted a clean up day in Lake Creek Village where we collected 575 lbs of trash and 96 lbs of recycling that was litter.
- Study of West Edwards performed by the Urban Land Institute

which provided a suite of recommendations to improve transportation option, safety, and infrastructure in West Edwards.



ECO Transit (Eagle County)

- Installed 14 dual trash and recycling bins at transit stops throughout the valley. Another 15 are planned to be installed in 2020.
- A grant contract was received and executed for funding assistance to purchase 3 Proterra Catalyst E2 Max E-Buses, 3 Proterra 125kW chargers, and installation of the chargers.
- ECO Transit saw a ridership increase of 58,426 passengers in 2019 with our total annual ridership of 1,117,311.



HOLY CROSS ENERGY

- Swift progress made towards seventy/thirty plan with new renewable energy projects.
 - 100MW wind Power Purchase Agreement (PPA) signed for commercial operation date in late 2020
 - 30MW Solar PPA signed
- Began to benchmark GHG inventory for organization wide emissions reporting to be updated annually.
- PuRE (Purchasing Renewable Energy) program:
 - Over 1,800 total participants
 - Over 300% increase in kWh enrollment from 2018
 - Community partners enrolled: Eagle County, Avon, Vail, Town of Eagle (Jan. '20), Aspen, Basalt, Carbondale, ERWSD, Snowmass
- All PuRE funds support the WeCare program for energy efficiency rebates and local renewable projects.
- Electric Vehicle charging programs:
 - 100 home chargers installed
 - Nine level 2 commercial chargers installed and two DCFC community chargers online. Commitments from several community partners for additional charging stations.
- Energy efficiency and renewable programs:
 - Exceeded kWh savings goal for energy efficiency projects by 1,000,000 kWh. Goal was 6,600,000 kWh savings and energy efficiency projects saved an estimated 7,600,000.
- Powerfield Glenwood Springs campus solar array came online:

- 200KW on-site mobile solar array
- 40% offset for HCE campus
- Helped develop a net-zero affordable housing complex in Basalt with onsite controllable Distributed Energy Resources.



MOUNTAIN RECREATION

- Hosted LED swaps at all three recreation facilities swapping more than 850 bulbs to LEDs.



TRAER CREEK

- Applied for and received grant funding to install two Level II EV chargers at Traer Creek Plaza.
- As a “give back” to the community Traer Creek has offered free EV charging since installation.
- Worked with representatives from Eagle County and Walking Mountains Science Center to conduct a comprehensive energy audit resulting in overall reduction of energy usage at Traer Creek Plaza.



TOWN OF AVON

- All Town streetlights were converted to LED lights in 2019.
- The Town is in the process of converting all Nottingham Park lighting fixtures to LED lights.
- Through December 31, 2021, the Town has a temporary tax credit for the installation of renewable energy production components. Materials eligible for the credit include components used in the production of electricity, generation of heat or cooling of air, and from a renewable energy source, including but not limited to wind, solar, solar thermal systems, and geothermal energy systems. The tax credit for the installation of \$15,000 in solar panel materials would amount to a savings of \$600 for the taxpayer.
- Teamed up with several organizations to host a Post-Holiday Recycling Event for hard-to-recycle items. A total of 4,481

pounds of material was collected and diverted from the Eagle County landfill.

- The Town of Avon partnered with the Climate Action Collaborative to host an LED bulb swap at the Avon Recreation Center. A total of 55 CFL bulbs and 356 incandescent bulbs were collected.
- Partnered with Walking Mountains Science Center to complete energy efficiency work within the Town of Avon and awarded \$12,000 from the Town's Exterior Energy Offset Program (EEOP) Fund to Walking Mountains Science Center Energy Programs which offer home energy assessments to Eagle County residents.
- The Town of Avon is an active member of Colorado Communities for Climate Action (“CC4CA”), a coalition of twenty-seven local governments that advocate for state and federal policies to protect Colorado's climate for current and future generations. The Town joined CC4CA in 2019.
- Approved an overhaul of the Town's landscape code providing best practices in water conservation and protection.
- Established a development agreement with Colorado World Resorts, LLC and Upper Eagle River Watershed Authority (is that what this is called UERWA) that includes a water budget for the project that is enforceable by the Town and UERWA for exterior irrigation use in perpetuity.
- The Town of Avon, in partnership with the Climate Action Collaborative and Holy Cross Energy, hosted an event to promote the purchase of renewable energy through Holy Cross Energy's PuRE Program.
- The Avon Town Council committed to purchase 100% renewable electricity at all Town operations and facilities, through Holy Cross Energy's Renewable Energy (PuRE) Program.
- Partnered with Vail Honeywagon to place a compost drop-site container at the Avon recycling center.
- Began offering free textile recycling at the Avon recycling center.
- In 2019, Avon's events had an 80% diversion rate, contracting with Walking Mountains Zero Waste Program.
- Developed the Electric Vehicle Readiness Work Plan, which lays out the Town's vision and goals for electric vehicles.
- Town Council unanimously passed an ordinance which prohibits food vendors from using disposable food service ware made from expanded polystyrene (i.e. Styrofoam) when providing prepared food to their patrons. Ordinance 19-11 is Adopting A New Chapter 8.50 of Title 8 of the Avon Municipal Code Establishing Provisions Regarding Ban on Use of Polystyrene Foam.



TOWN OF EAGLE

- Purchased 100% renewable electricity through Holy Cross Energy's PuRE program.
- Completed LED lighting upgrades in most Town buildings.
- Started Zero Waste Events at Town events.
- Compost and recycling being offered at the Town of Eagle recycle drop-off site.
- Textile recycling being offered at the Town of Eagle recycle drop-off site.
- Yard-waste facility hours of operation expanded.
- Worked to create the Town of Eagle Water Efficiency Plan & Source Water Protection Plan that will be finalized in 2020.



TOWN OF MINTURN

- Completion two-year “Partners in Energy” program through Xcel Energy, and implemented efforts to educate and engage the local community about the Town's Energy Action Plan.
- Completed LED lighting retrofit for all Town buildings. Town expected to save over 70,000 kWh annually, with an average monthly cost savings of \$1089, over 10 years.
- Implemented a Compost Drop Site at Town Hall.
- Became Actively Green Certified.
- Hosted an LED Swap.
- Added a Zero Waste Sponsor (Alpine Bank) to the Minturn Market in 2019, which helped improve our sustainability efforts.
 - Eliminated plastic bottles at Minturn Market (added a large water station for both customers and vendors, and required vendors to not use any plastic bottles).
- Introduced better signage for trash and recycling.
- Educated vendors regarding alternatives to single-use plastics, styrofoam, etc.



TOWN OF VAIL

- Vail was awarded \$525,288 in grant funding to support the purchase of electric buses in 2020 to replace four aging hybrid buses servicing the in-town services. To support infrastructure upgrades required for the electric buses, Vail also received an infrastructure grant for \$1,099,920 awarded through the Colorado Department of Transportation's FASTER grant program.
- Vail partnered with Walking Mountains Science Center's Energy Smart program to complete 28 free residential and commercial energy audits and energy efficiency projects.
- \$23,000 in rebates were provided with an estimated reduction of 518 metric tons of greenhouse gas emissions. The economic stimulus from these projects totaled \$1,156,039.
- Town of Vail committed to 100% solar renewable electricity for all municipal operations through the Holy Cross Energy PuRE program.
- Five level two electric vehicle charging stations were added to the Red Sandstone Parking Garage. There are now 11 public charging stations with 22 ports in Vail.
- Participated in Colorado Communities for Climate Action to support the passing of thirteen bills tackling carbon pollution in the 2019 legislative session.
- Partnered with the Climate Action Collaborative and Eagle County to host an E-Bike Demo Day to showcase e-bikes from eight local bike companies. Over 120 people participated in the event.
- The ninth annual Sole Power green commuting challenge saw

255 participants logging over 38,500 miles reducing 35,300 pounds of carbon from entering the atmosphere.

- Hosted two free hard to recycle events resulting in 14 tons of household hazardous waste, electronics, shredded paper, bike tubes, and vinyl banners being diverted from the landfill.
- Zero Waste efforts at Vail events averaged an 80.4% diversion rate. Two tons of event waste was diverted from the landfill.
- Through an RREO grant from the Colorado Department of Public Health and Environment to promote the town's "Pay as You Throw" program, 40 residents exchanged their larger trash cans for smaller 32-gallon trash cans to reduce the amount of trash produced in the Town of Vail.
- Over 100 volunteers donated thousands of hours of time to help the Town plant over 7,000 native plants along Gore Creek.
- Vail reduced overall water usage by 15% and summer water usage by 25% from previous year.



VAIL HEALTH

- Created an Environmental Sustainability Department. This included hiring two Sustainability Technician Operators.
- Worked to complete a \$200,000 LED lighting Retrofit for Vail Health Facilities by November.
- Started a comprehensive composting program at the Shaw Cancer Center and with plans to expand to Vail Health Hospital.
- Upgraded the Edwards Pavilion boiler system to utilize excess capacity on more efficient boiler and domestic hot water systems. This infrastructure will reduce natural gas usage.
- Partnered with Stericycle on a reusable sharps container

program. This will reduce our single use plastics in the designated Regulated Medical Waste landfill.

- Began removing paper from our exam tables in the Vail Health Clinics.
- Collaborated with Vail Honeywagon and the Eagle County Landfill for our Construction and Demolition waste diversion from construction projects (remodel of West Wing of Hospital and construction of East Wing).
- Installing EV Chargers in campuses across Eagle Valley and applied for a grant from Charge Ahead Colorado to offset costs.



VAIL HONEYWAGON

- Expanded our community compost drop site program to include sites in Vail, Minturn, Avon, Edwards & Eagle, which diverted about 520 yards of organic waste from the landfill.
- Compost programs experienced an 80% increase in material processed at our local compost facility, which includes food waste from local restaurants & resorts and yard waste from the eagle valley landscape & golf course industry.
- Helped facilitate waste diversion at Avon and Eagle annual recycle events and donated trash pick up for the Eagle River Watershed Councils annual highway clean up.
- Assisted in trash, recycle, and compost hauling for 80% of special events held in Eagle County - held by town or promoters.
- Contractors increased diversion 12% from 3% in 2018 for new builds and remodels-utilizing all resources available to upcycle.



VAIL RESORTS (Vail & Beaver Creek Mountains)

- Focused on implementing full-scale, on-mountain food waste diversion programs with capital and infrastructure improvements at both Vail and Beaver Creek.
- Signed a Virtual Power Purchase Agreement (VPPA) to purchase 310,000 MWH's annually for ten years from a brand new wind farm in Nebraska, slated to become operational in June 2020. This purchase is equivalent to Vail Resorts 2019 North American electricity load.
- Reduced total resort energy usage by 5% at Beaver Creek by installing 50 new low-energy snow guns, building control upgrades, and lighting upgrades.
- Reduced total resort energy usage by 5% at Vail by upgrading lighting, building controls, and HVAC systems.
- Increased waste diversion by 15% at Beaver Creek and sent 74 fewer tons of waste to landfill than 2018.
- Increased waste diversion at Vail by 4% and increased composting by 147 tons.
- Worked with CU Boulder Masters of the Environment students to complete comprehensive waste audits across multiple Beaver Creek mountain dining locations.
- Achieved an 80% waste diversion rate for 2019 Birds of Prey by partnering with Walking Mountains Science Center to offer zero-waste services and spectator education.
- Installed five Level II electric vehicle chargers for employees at Beaver Creek and Vail.
- Collaborated with Holy Cross Energy, creating a plan for EV chargers for guests in Ford Hall parking garage.



VAIL VALLEY FOUNDATION

- The GoPro Mountain Games improved communication with partners and vendors to increase waste diversion totals working towards the 100% diversion goal. The event achieved 74% diversion in 2019.
- For the first time, in partnership with Vail Resorts, the Xfinity Birds of Prey event also went for “Zero Waste,” diverting 1,666 lbs of compost and 750 lbs of recycling.
- The Vail Dance Festival lowered transportation emissions by centralizing the campus to Manor Vail, and providing free, brand-able, reusable containers to Festival artists and staff to reduce plastic use.
- Across all events and activities, the VVF is relentlessly reminding partners, sponsors, and volunteers to minimize plastic use and to reduce, reuse, and recycle. Walking Mountains has been a partner throughout.



VAIL VALLEY PARTNERSHIP

- Provided free Actively Green workshops for member businesses.
- Within Visit Vail Valley Official Visitor’s Guide and website, VisitVailValley.com, we emphasize the importance of local sustainability efforts. When visitors start planning their trip, they quickly can see we are a sustainable community.
- Visit Vail Valley provides tips and resources including: Leave no trace, wildfire prevention, recycling, and using products and materials that are reusable.



**WALKING MOUNTAINS SUSTAINABILITY
ZERO WASTE**

- 90 days of zero waste events with an average diversion rate of 77%.
 - 66,000 lbs of waste diverted from landfill total
 - 22,500 lbs diverted to compost
 - 43,500 lbs diverted to recycling
- Zero waste events spanned across the Valley, including Vail, Avon, Beaver Creek, Minturn, and Eagle.
- Over 150 community members participated in 20+ tours of

the Eagle County Solid Waste & Recycling facilities (recycling tours).

- 98 MTCO2E reduction in GHG emissions from zero waste events.
- Equivalent to:
 - Removing 21 cars from the road annually
 - Conserving 11,097 gallons of gasoline, and
 - Conserving 4,109 cylinders of propane used for home barbecues

ENERGY SMART

- 170 homes received comprehensive home energy assessments.
- 36 income-qualified homes completed the CARE (Colorado Affordable Residential Energy) program with customized efficiency information & education at the home and free efficiency upgrades.
- 608 free Radon test kits were provided in Eagle County.
 - 42% of the kits used had results of high levels of radon in the home.
 - 15 homes received a rebate for radon mitigation.
- 35 homes received an energy efficiency rebate for home energy efficiency projects.
- 69 homes received a renewable energy rebate for Solar PV installed on the home.
- 26 businesses received a rebate for energy efficiency projects including: Energy Star refrigerators, LED lighting, solar PV-attached, and water heating.
- \$89,550 in rebate funds provided to local homes and businesses.
- \$2,905,095 in local economic stimulus from costs of rebated projects and payments to local energy analysts.
- \$125,933 in annual utility cost savings estimated for local homes and businesses.
- 1,467.63 MtCO2e reduced annually, estimated, due to quick fixes and upgrades in local homes and businesses (this number includes reductions of 1,700,776 kWhs and 13,850.58 THERMs).

ACTIVELY GREEN

- Average annual mileage individual employees drove for commuting purposes decreased by 44 miles.
- Average annual water use per business was reduced by 1,242,101 gallons in 2019; primarily in the lodging sector.
- Total Waste Diverted (2019) was 335,669 pounds.
- The number of businesses that received energy through a renewable source increased by 9% during 2019.



#BeBetterTOGETHER

www.climateactioncollaborative.org

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