

Climate Action Collaborative

for the Eagle County
Community



The Climate Action Plan for the Eagle County Community



CLIMATE ACTION PLAN


FOR THE
EAGLE COUNTY
COMMUNITY

December 2016











The logo is centered within a white square frame. It features the words "CLIMATE", "ACTION", and "COLLABORATIVE" stacked vertically in a white, sans-serif font. The word "ACTION" is the largest and includes a stylized sunburst icon in place of the letter "O". The background of the logo is a landscape photograph showing mountains and a body of water under a warm, golden sky.

CLIMATE
ACTION
COLLABORATIVE

Reduce local carbon emissions

25% by 2025
and
80% by 2050

Climate Action Partners

Sector Working Groups



Education
& Outreach



Built Environment
Residential & Commercial



Energy
Grid & Renewable



Waste
Materials Management



Transportation
Fuel Emissions

Working groups are established for Buildings, Transportation, Waste, Energy Supply, and Education & Outreach.

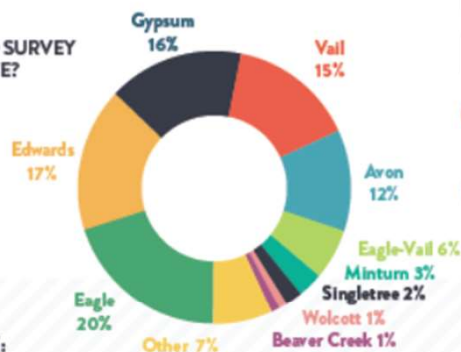
Each group is made up of community experts in each field, who work together to implement community-scale sustainability projects

**New this year – Citizens
Working Group and Water
Working Group**

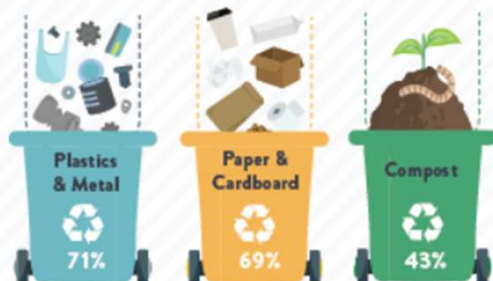
Climate Action Community Survey Results

In 2018 the Climate Action Collaborative asked the Eagle County community to participate in a Climate Action survey to understand the attitude on climate change locally. The survey asked community members to comment on the sustainability actions they already participate in and what future sustainability efforts they would be in support of. The results of this survey demonstrate that our community is to act on climate change and is supportive of local efforts to do so!

WHERE DO SURVEY TAKERS LIVE?



SURVEY TAKERS ALWAYS RECYCLE:



SURVEY RESPONDERS WERE SUPPORTIVE OF LOCAL EFFORTS TO:

promote climate change education and promote sustainable practices in local schools

engage school children and their families to create future environmental stewards

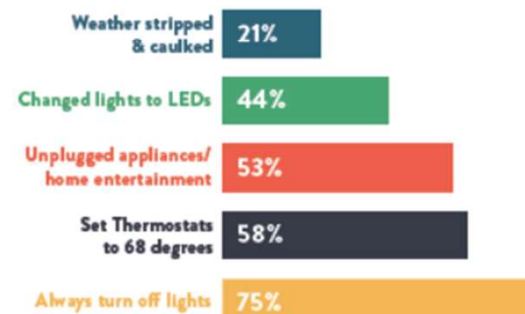
provide incentives to landlords to use more energy efficient appliance

promote sustainable water use in hotels

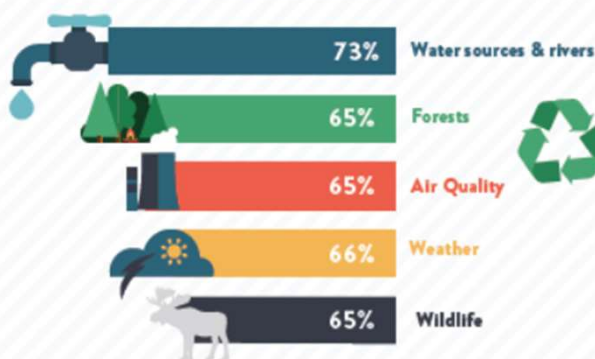
86% THINK LOCAL GOVERNMENTS NEED TO ACT ON CLIMATE CHANGE



WHAT DID YOU DO AT YOUR HOME?



CONCERN FOR RESOURCES?



BIGGEST BARRIERS

RECYCLING

don't know how
a lot of effort
no recycling at apartment
no space

ENERGY EFFICIENCY

someone else is in charge of maintaining the residence and they can't afford to fix it



How are GHG (Carbon) Emissions Measured?

Waste - measured by the amount of waste going to the landfill + percentage of that waste that was 'once alive'

Transportation - measured in vehicle miles traveled + the type of vehicle traveling those miles

Aviation - airplane fuel sold within Eagle County

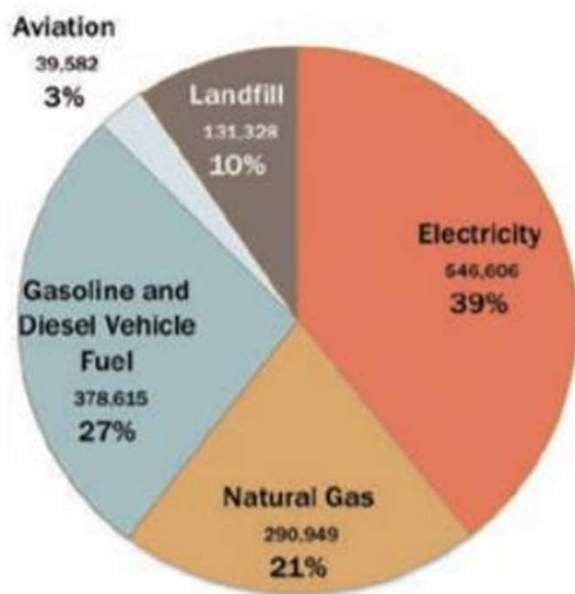
Buildings - measured by the amount of natural gas and electricity residential and commercial buildings uses

Electricity - % of renewable energy supplied to the grid

Natural Gas – emissions from burning natural gas

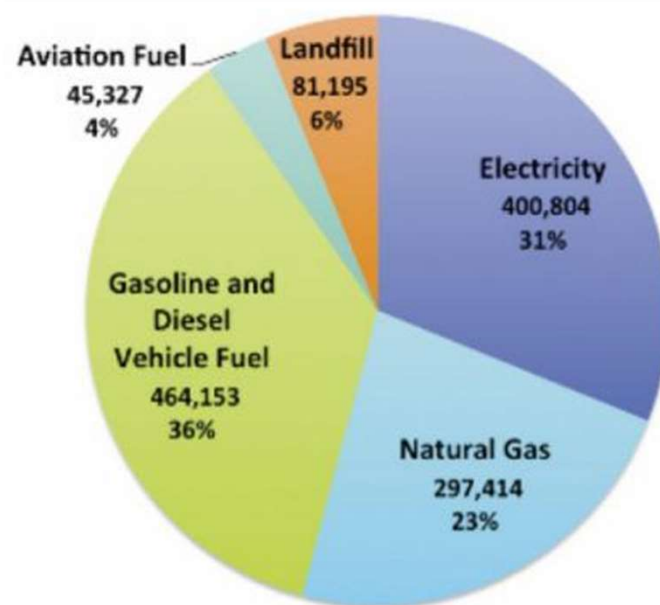
GHG Inventory

3. Emissions by Source, 2014 Metric tons of CO₂e



1.4 M metric tons
CO₂e

4. Emissions by Source, 2017 Metric tons of CO₂e



1.28 M metric tons
CO₂e

Key Takeaways

Good news - we're moving in the right direction - GHG reduced slightly. Thanks to Western Colorado State University for providing the tools to track our results, and forecast the results of strategies moving forward.

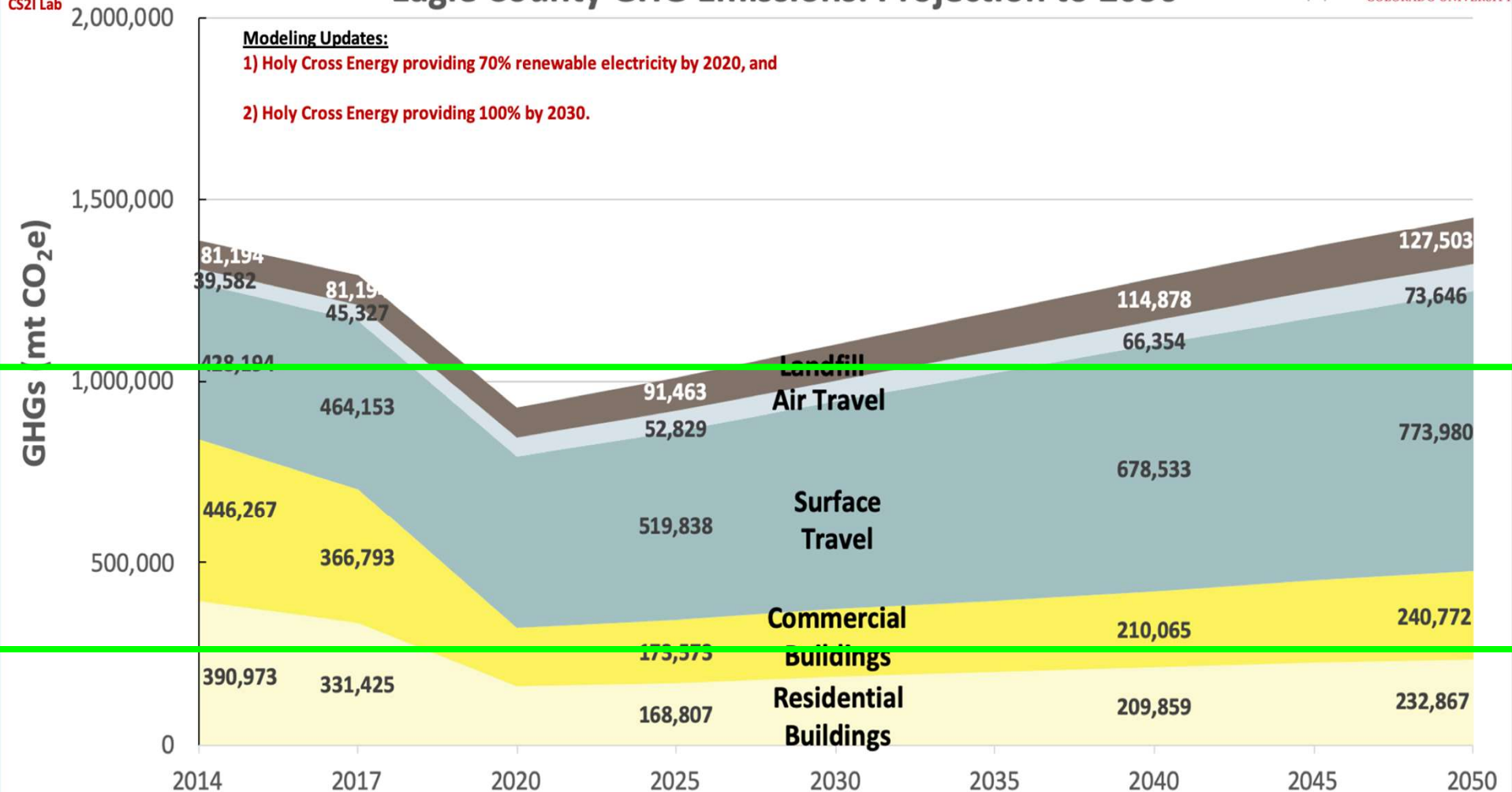
- Reduction so far is mostly from power supply - HCE + Xcel emissions factor.
- We need to continue GHG reduction efforts in landfill and buildings
- **But.. Transportation is #1 target** - the biggest emissions source, and growing. Also the most difficult to change - all communities share this same problem

Key Takeaways

21% reduction in carbon emissions required between now and **2025** to reach our goals

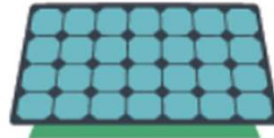
We have a long way to go!

Eagle County GHG Emissions: Projection to 2050



2018 Impact Report

COMMUNITY IMPACT HIGHLIGHTS



Rebates for rooftop solar through
Walking Mountains Energy Programs

DOUBLED

**HOLY CROSS ENERGY
COMMITTS TO ACHIEVING
70% RENEWABLE ENERGY
SOURCES BY 2021**



**ELECTRIC
BIKE SHARE
SYSTEM**
e-assist bike demo



Eagle County
hosted a 3-month
**Electric Vehicle
Sales Event**
with regional partners

Holy Cross provided
FREE EV chargers
for homes and businesses



Town of Avon
BANS
plastic bags

US GREEN BUILDING COUNCIL
starts new chapter in Eagle Valley
to engage local builders in green
building best practices.



AVAILABLE TO ALL
EAGLE COUNTY RESIDENTS



CONSTRUCTION
+ DEMOLITION COMPOST TEXTILE
RECYCLING



LOCAL GOVERNMENT ENERGY ACADEMY
FROM COLORADO STATE UNIVERSITY

HOSTS 2-DAY WORKSHOP
IN EAGLE COUNTY



**WASTE
WIZARD
EAGLE COUNTY
RECYCLING APP
LAUNCH**



61 Certified Businesses
28 Pursuing Certification
46% of waste diverted from landfill
17% of total business energy use
came from renewable energy

All actively green businesses report on energy use, water use, and vehicle mileage, and each has a goal to improve over time.

CARBON REDUCTION AWARD 2018

EAGLE RIVER FOOD BANK

Diverts food waste from our local grocery stores, which was headed to the landfill. They package the food and bring it to neighborhoods around the valley who are food insecure. They compost whatever they cannot pass out, and therefore save huge amounts of food from going to the landfill!

TOTAL CO2 EMISSIONS IMPACT:

2,108 tons of CO2e through Energy Smart

21.5 tons of CO2e through Sole Power

14.10 tons of CO2e through LED Swaps

2,143.6 TONS of CO2e
ELIMINATED = 455 cars taken off the road
= 257 homes annual energy use

What we've accomplished

- ✓ Accelerated the climate conversation in the valley
- ✓ Expansion of or creation of new sustainability departments or positions with partner entities
- ✓ County-wide collaboration on outreach and education efforts
- ✓ Connecting partners to resources
- ✓ Connecting entities to work on co-beneficial projects



Focus Areas

- #1 Waste: Education & Infrastructure
- #2 Energy Efficiency in Buildings
- #3 Multi-modal Transportation
- #4 Behavior Change
- #5 Renewable Energy

Waste: Education & Infrastructure

Education

1. Eagle County Waste Wizard was launched
2. Bi-Annual Recycling Guide for Eagle County

Infrastructure

1. Textile, Compost, Construction & Demolition Diversion Opportunities

Looking Ahead...

Standardized signage for public recycling bins

Reducing single-use waste at major events

School recycling programs

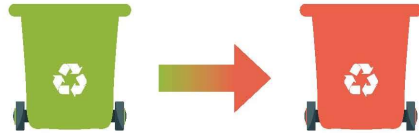
**Send your waste
to a better place**

eagle county
**waste
wizard**



Be Better At Recycling

WHY? One bad bin can contaminate a truck of good bins.
When in doubt, check the Eagle County Waste Wizard App.



Put In Your Recycling Bin



Glass Jars
w/out lids



Plastic Bottles,
Tubs, Jugs & Jars
w/ lids



Tin Cans



Aluminum Cans
plz don't crush



Glass Bottles
w/out lids



Paperboard
no frozen food boxes



Paper



Newspaper



Office/Mixed Paper



Magazines



Junk Mail

Don't Put in the Recycling Bin It Goes Somewhere Else!

- Electronic-Waste
- Greasy Pizza Boxes *compost if you can!*
- Large metal
- CFL Light Bulbs
- Syringes & Needles
- Textiles

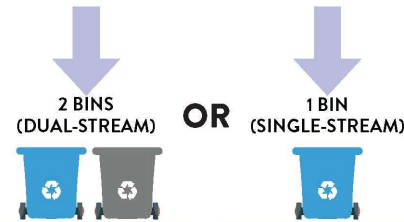
Check the **Waste Wizard** app on where to take these items in the county.

Never Put in Your Recycling Bin

- Plastic Bags *don't bag your recyclables*
- Broken Stemware or Ceramics
- Small Plastics *utensils, cold/hot drink lids, dressing cups*
- #7 PLA Plastic
- Styrofoam

To recycle right, start here:

HOW DO YOU RECYCLE AT HOME?
DO YOU PUT YOUR RECYCLING IN...



Dual-stream (2 bins) recycling requires that you separate your plastics, glass, cans, bottles from the paper and cardboard. In dual-stream, cardboard is not collected curbside and should be taken to a drop-site.

> COMMUNITY DROP-SITE
> VAIL HONEYWAGON
in the communities of:
TOWN OF EAGLE
TOWN OF MINTURN
ARROWHEAD

Single-stream (1 bin) recycling allows you to put all recyclables into the same bin.

Note that most businesses use single-stream.

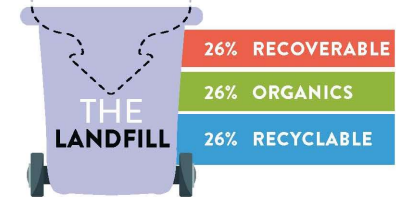
> VAIL VALLEY WASTE
> WASTE MANAGEMENT
> VAIL HONEYWAGON
all other residential pick up aside from the dual stream communities on left.

IT'S TRICKY

- these items depend on your stream-
check the **Waste Wizard App** for answers

- Aseptic Cartons *juice and milk cartons*
- Cardboard
- Clam-shell containers *plastic fruit & veggies containers*
- Plastic cups
- Shredded Paper
- Starbucks/other hot cups
- Tin Foil *clean and balled up*

90%
OF YOUR
WASTE
CAN BE DIVERTED
FROM



CURRENT RECYCLING RATES



42%

OF OUR INDIVIDUAL GHG EMISSIONS
COME FROM HOW WE
PRODUCE, CONSUME,
AND DISPOSE OF OUR
STUFF AND FOOD

ClimateActionCollaborative.org
#BeBetterTogether

The Eagle County Waste Wizard is Your Free Recycling App



Ask the Waste Wizard at
walkingmountains.org/recycle



Energy Efficiency in Buildings

New Construction

1. Building Code Task Force - Above building code standards

Existing Buildings

1. LED Swaps for residents
2. Benchmarking large commercial buildings
3. Expansion of EnergySmart programs

Looking Ahead...

Incorporation of above building code standards

Promotion of all-electric heating systems + new tech

Multi-Modal Transportation

1. E-Bike Demo
2. Deployment of EV fast-charging stations in every town in the County
3. Expansion of Zagster Bike Share
4. Coordinated Information Hub with Avon, Vail, Beaver Creek, and ECO Transit – coming end of 2019

Looking Ahead...

Mobile/online payment system for ECO transit

E-Bike Share Pilot with Town of Vail

Renewable Electricity



100% Renewable Electricity Commitments

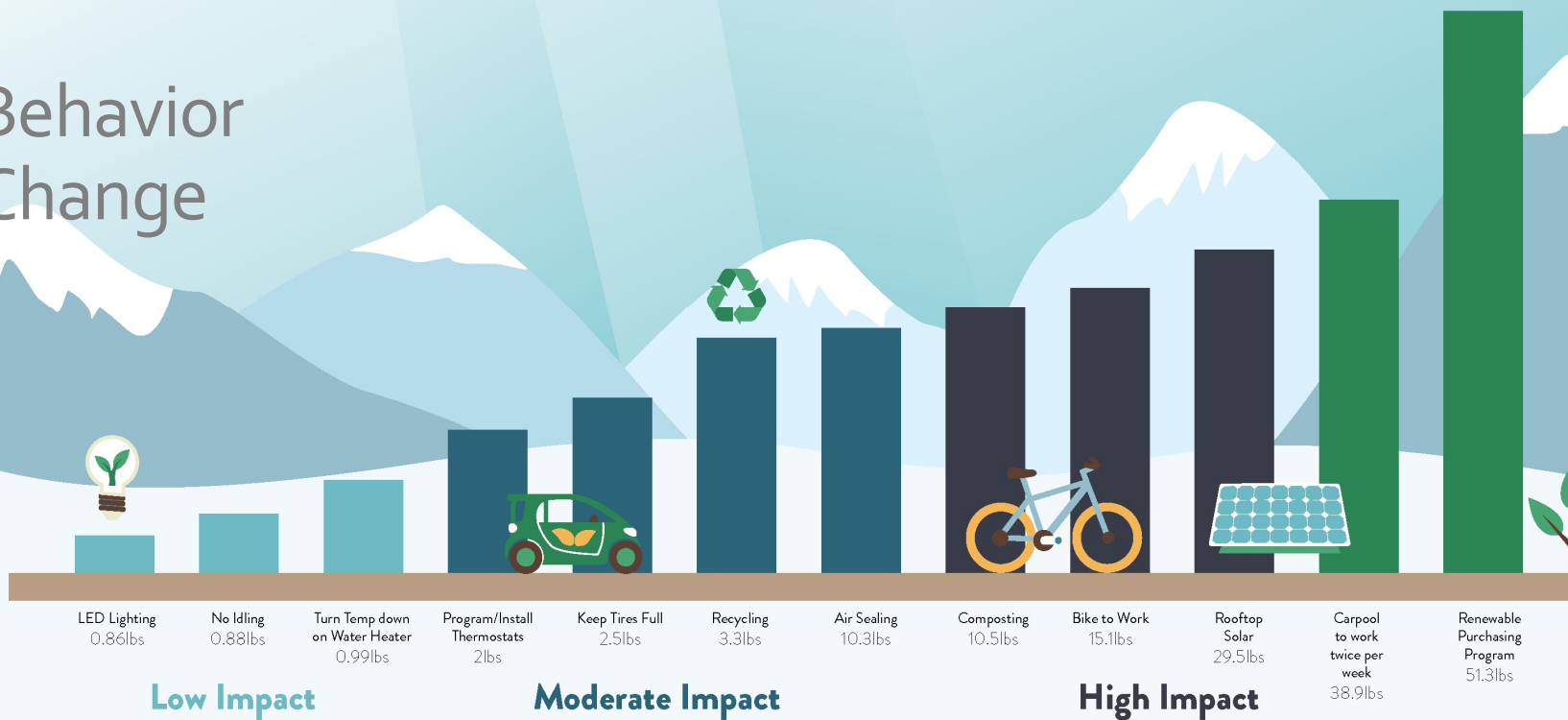
- Town of Vail
- Town of Avon
- Eagle County
- Eagle River Water & Sanitation District
- Town of Minturn (Xcel)
- **As of last week, Town of Eagle!**

Participation has increased 300% in 2019

How do your actions stack up?

Behavior Change

Annual Carbon Emission Savings



Behavior Change Campaign

Goal To get Eagle County residents out of their car 2x per week

Milestone 1 Community transportation survey to understand values related to commuting behavior

Milestone 2 Business engagement: adoption of incentives/programs/policies to support alternative commuting for employees

Milestone 3 Launch a community-wide social marketing campaign

Milestone 4 Incorporate carpooling, bus, and other alt commuting incentives/programs in the community. i.e. discounted parking rates for carpools



Keys to Success

- #1 Each partner has skin in the game
- #2 Project Manager
- #3 A unified plan / goal

Thank you!

Questions?

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CLIMATE
ACTION
COLLABORATIVE

#BeBetterTogether