

**TOWN OF MOUNTAIN VILLAGE
GREEN TEAM COMMITTEE MEETING
TUESDAY, OCTOBER 15, 2019, 2:00 PM
3RD FLOOR, MOUNTAIN VILLAGE MUNICIPAL BUILDING,
411 MOUNTAIN VILLAGE BLVD, MOUNTAIN VILLAGE, COLORADO
AGENDA**

Item #	Time	
1.	2:00	Call to Order
2.	2:01	Approval of the September 17, 2019 Minutes
3.	2:05	<p>Discussion & Updates Regarding:</p> <ul style="list-style-type: none"> A. Election of Officers (Dohnal, 5) B. Green Team Bylaws Amendment- Alternate Seat (Dohnal, 5) C. REMP Update (Haynes, 10) This item has been continued to the November Green Team Committee meeting D. Draft Mountain Village Community GHG Inventory Report (Wheels, 10) E. Propose/Set 2020 Meeting Dates (Jett/Lambert, 10) F. 2020 Green Team Work Plan Approval (Dohnal, 20) G. Voluntary Single-Use Plastics Reduction Initiative Survey Approval and Update (Dohnal, 5) H. Finalize & Approve RFP for GHG Emissions & Energy Use (Dohnal, 10) I. EAP Green Business Program (Dohnal, 5) J. 2019 July – Sept: Consideration of 3rd Quarter Green Team Committee Quarterly Report to Present to Council in OCT Green Team Approval (Jett, 5) K. Voluntary Single-Use Plastics Reduction Incentive Subcommittee (Dohnal, 5) L. Composting Subcommittee Update (Berry, 5) <ul style="list-style-type: none"> • 3XM Green Waste Pick Up Service • Future Meetings
4.	3:25	<p>Items for Consideration:</p> <ul style="list-style-type: none"> A. Community Clean Up Day Subcommittee B. Voluntary Single-Use Plastics Reduction Incentive Subcommittee Update C. Snowmelt options for Chondola walkways D. Potential 2020 Conferences- November E. RFP Work Session- Nov., RFP Finalize Selection- Dec. F. Updates on Regulations from the State on Plastics G. San Miguel Watershed Coalition Update H. Beaver Issue I. Finn Kjome to speak about Mountain Village water J. Piece of Art- to bring awareness of the Green Team Committee K. Adopt a Highway L. 2019 Oct – Dec: 4th Quarter Green Team Quarterly Report. Present in JAN M. 2020 January – March: 1st Quarter Green Team Quarterly Report. Present in APRIL N. 2020 April – June: 2nd Quarter Green Team Quarterly Report. Present in JULY O. 2020 July – Sept: 3rd Quarter Green Team Quarterly Report. Present in OCT P. 2020 Oct – Dec: 4th Quarter Green Team Quarterly Report. Present in JAN
5.	3:27	Next Steps
6.	3:28	Other Business 1
7.	3:30	Adjourn

**TOWN OF MOUNTAIN VILLAGE
MINUTES OF THE SEPTEMBER 17, 2019
GREEN TEAM MEETING **DRAFT****

Agenda Item 2

The meeting of the Green Team Committee was called to order by Cath Jett on Tuesday, September 17, 2019 at 2:01 p.m. in Mountain Village Town Hall, 455 Mountain Village Boulevard, Mountain Village, Colorado.

Attendance:

The following Green Team Committee members were present:

Cath Jett, Chair and Mountain Village Resident
Jonathan Greenspan, Vice Chair and Mountain Village Resident
Jeff Proteau, Telluride Ski and Golf Company
Marti Prohaska, Mountain Village Town Council
Heidi Stenhammer, Telluride Mountain Village Owner's Association

The following were also in attendance:

Christina Lambert, Deputy Town Clerk (Staff)
Zoe Dohnal, Business Development & Sustainability Manager (Staff)
Mike Follen, Mountain Village Resident
Inga Johansson, Employed in Mountain Village

The following Green Team Committee members were absent:

Savanna Wagner, At Large Member
Patrick Berry, Mountain Village Town Council

Consideration of Approval of Minutes:

July 16, 2019 Green Team Committee Meeting Minutes

On a **MOTION** by Heidi Stenhammer and seconded by Jonathan Greenspan, the Green Team Committee voted unanimously to approve the July 16, 2019 meeting minutes as presented.

August 20, 2019 Green Team Committee Meeting Minutes

On a **MOTION** by Jonathan Greenspan and seconded by Cath Jett, the Green Team Committee voted to approve the August 20, 2019 meeting minutes as presented. Heidi Stenhammer abstained herself since she was unable to attend the meeting.

September 3, 2019 Green Team Committee Meeting Minutes

On a **MOTION** by Jonathan Greenspan and seconded by Jeff Proteau, the Green Team Committee voted to approve the September 3, 2019 meeting minutes as presented. Heidi Stenhammer abstained herself since she was unable to attend the meeting.

Discussion and Committee Follow Up/Next Steps:

- Agenda Item 3A- 3XM Green Waste Pick Up Service:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this agenda item to the committee. The Green Team Committee **DIRECTED** Jeff Proteau to do additional research. They **DIRECTED** Jeff Proteau to meet with JD Wise to help finalize a potential location. The Green Team Committee **DIRECTED** Zoe Dohnal to investigate costs. This item will be discussed further in October under the Composting Subcommittee update.

- Agenda Item 3B- EcoAction Partners Green Team Support Billable Hours:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The contract has been finalized and signed by all parties.

- Agenda Item 3C- Voluntary Single-Use Plastics Reduction Initiative Update:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The Green Team Committee **REQUESTED** that all members start collecting documents including marketing collateral and save them in the Google drive shared folder. The committee needs to create a tool kit to help this initiative be successful. The Green Team Committee **REQUESTED** that all members review the survey in the Google drive shared folder and send comments to Zoe Dohnal by October 1, 2019. The Green Team Committee **CREATED** a Single-Use Plastics Reduction sub-committee which includes the following members: Zoe Dohnal, Christina Lambert, Jonathan Greenspan, Jeff Proteau, Inga Johansson and Mike Follen.

- Agenda Item 3D- 2020 Green Team Work Plan, Green Team Goals and Town HR Direction:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The Green Team Committee **REQUESTED** that everyone review the 2020 Green Team work plan and make comments in the Google drive shared folder by October 1, 2019. The Green Team Committee **DIRECTED** everyone to think about what conferences they are interested in attending in 2020. This will be discussed and presented at the November meeting.

- Agenda Item 3E- EAP Green Business Program:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The committee will do independent research and this item will be added to the October agenda.

➤ Agenda Item 3F- RFP Discussion:

- **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The Green Team Committee decided that the RFP will be finalized and approved at the October meeting. The Green Team Committee **REQUESTED** that everyone review the RFP and make comments in the Google drive shared folder by October 1, 2019. The committee will have a work session in November to go through the selection process. The committee will finalize their selection at the December meeting.

➤ Agenda Item 3G- Glass Project Update:

- **NEXT STEPS:** Discussion took place and Jonathan Greenspan presented this item to the committee. Jonathan gave a product update and passed around product samples for the committee to view.

➤ Agenda Item 3H- 2019 July – Sept: Consideration of 3rd Quarter Green Team Quarterly Report to Present to Council in OCT:

- **NEXT STEPS:** Discussion took place and Cath Jett presented this item to the committee. The Green Team Committee **REQUESTED** that everyone review the 3rd Quarter Green Team Quarterly Report and make comments in the Google drive shared folder by October 1, 2019. The final version needs to be approved by the committee via email and Christina Lambert will send the final version to the Town Clerk to add to the October Town Council Meeting packet.

➤ Agenda Item 3I- Community Clean Up Day Debrief:

- **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. Savanna Wagner was unable to attend this meeting.

➤ Agenda Item 3J- Composting Subcommittee Update:

- **NEXT STEPS:** Discussion took place and Jonathan Greenspan presented this item to the committee. Patrick Berry was unable to attend this meeting.

➤ Agenda Item 4- Items for Consideration:

- Snowmelt options for Chondola walkways
- Community Wide Emissions Report- October
- EAP Green Business Program (Dohnal, 5)- October
- Propose/Set 2020 Green Team Meeting Dates
- Updates on Regulations from the State on Plastics
- Potential Future Voluntary Single Use Plastics Reduction Incentive Subcommittee

- RFP for GHG Emissions & Energy Use Discussion
- 2020 Green Team Work Plan
- San Miguel Watershed Coalition Update
- Beaver Issue
- Finn Kjome to speak to the committee about Mountain Village water
- Piece of Art- to bring awareness of the Green Team Committee
- Adopt a Highway
- 2019 Oct – Dec: 4th Quarter Green Team Quarterly Report. Present in JAN
- 2020 Jan – Mar: 1st Quarter Green Team Quarterly Report. Present in APRIL
- 2020 April – June: 2nd Quarter Green Team Quarterly Report. Present in JULY
- 2020 July – Sept: 3rd Quarter Green Team Quarterly Report. Present in OCT
- 2020 Oct – Dec: 4th Quarter Green Team Quarterly Report. Present in JAN

Other Business:

- TREK Plastic Bag and Film Recycling Box:
 - Discussion took place and Zoe Dohnal presented this item to the committee. EAP doesn't have staff to bring our box contents to Telluride. Marti Prohaska volunteered to assist with this on behalf of the Green Team.

There being no further business, on a **MOTION** by Marti Prohaska and seconded by Jeff Proteau, the Green Team Committee voted unanimously to adjourn the meeting at 3:32 p.m.

Reminder:

The next Green Team Committee meeting will take place on Tuesday, October 15, 2019 at 2:00 p.m. in the Mountain Village Town Hall Conference Room.

Respectfully submitted,
Christina Lambert

Deputy Town Clerk
Town of Mountain Village

Mountain Village 2018 Greenhouse Gas Inventory Report

**Prepared by EcoAction Partners
for the Town of Mountain Village**

October 7, 2019

Overview:

In 2018, the Town of Mountain Village contracted with EcoAction Partners to create a Mountain Village-specific Greenhouse Gas Inventory. Working from the baseline regional San Miguel and Ouray County GHG Inventory that EcoAction Partners manages and updates annually, EcoAction Partners modified the calculations to focus on Mountain Village specific data from 2017. This inventory was updated this year to create the 2018 results reported here.

History:

The regional GHG Inventory was initially developed by the University of Colorado at Denver with data collection input from EcoAction Partners. It was funded through a matching grant in which Mountain Village, Telluride, San Miguel County, Ridgway, City of Ouray and Ouray County each contributed \$1000. The calculations are in accordance with ICLEI protocol established by 2010. Since then it has been updated to align with the subsequent “Global Protocol for Community-Scale Greenhouse Gas Emission Inventories”.

Mountain Village adopted a goal to reduce overall GHG emissions 20% by 2020, from 2005 baseline levels, however our regional GHG and energy-use baseline began to be tracked in 2010. Thus progress toward this goal is determined based on data from 2010 forward.

Shared regional resources:

As part of the analysis, Mountain Village desired clear understanding of how GHG emissions associated with shared regional resources were allocated between jurisdictions. Thus, EcoAction Partners created a summary of how these resources have been allocated in the past and coordinated a meeting of representatives from Mountain Village, Telluride, San Miguel County, and Telluride Ski & Golf, to review and discuss allocations for each of these resources. The agreed-upon outcome for each of these are detailed in Appendix A. The resources discussed include:

- Regional airports
- Waste Water Treatment Plant
- Gondola
- Telluride Ski and Golf’s utilities including water use
- Festivals
- Transit services

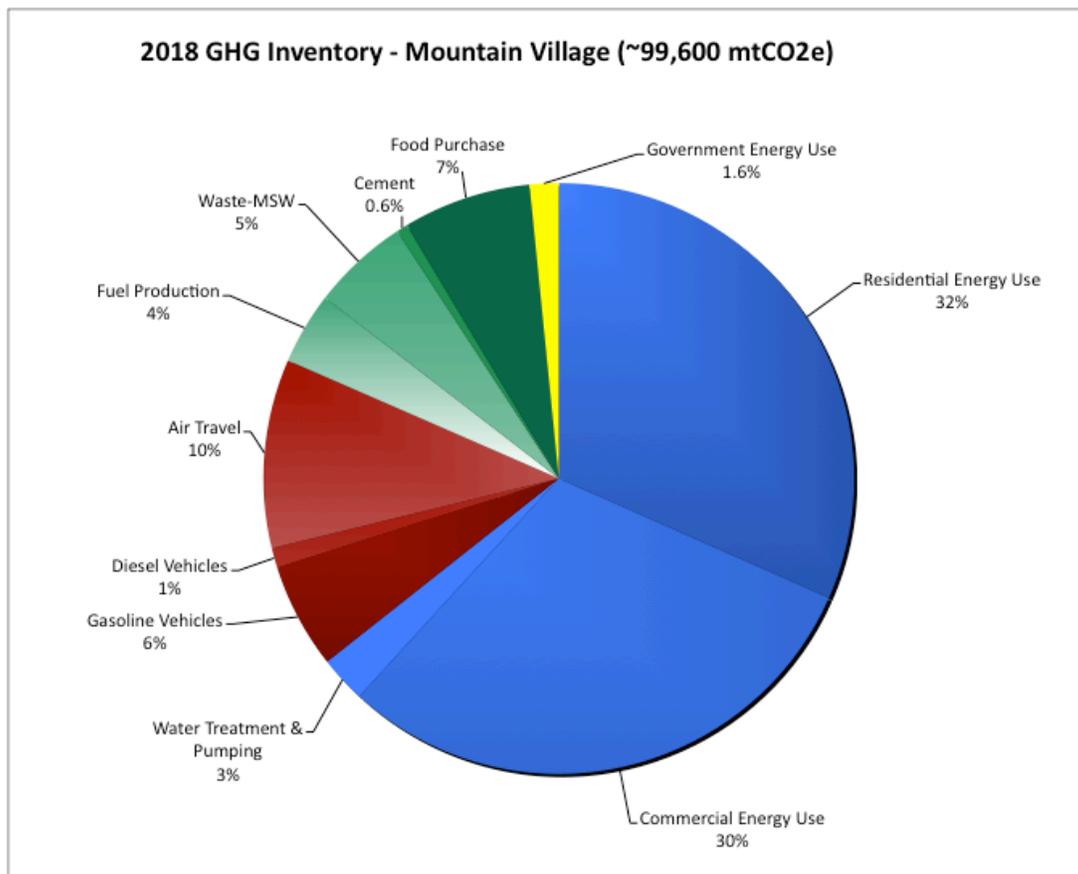
2018 Mountain Village GHG Inventory Results

Mountain Village's total GHG emissions for 2018 were approximately 99,600 mtCO₂e (metric tons of carbon dioxide equivalent). This is an increase of 3.75% over 2017 emissions of 96,000 mtCO₂e.

Equivalencies:

- 99,600 mtCO₂e is equivalent to over 108,885,000 pounds of coal burned.
- 99,600 mtCO₂e is also equivalent to the energy used by 11,900 average U.S. homes in one year. (MV has 1675 residences)
- 99,600 mtCO₂e is the amount of carbon that can be sequestered by over 117,000 acres of U.S. forests in a year.

The detailed pie chart below breaks those emissions down per category, explained further below the pie chart. See Appendices for more detailed explanation of allocation per jurisdiction and calculation methodologies.



- Government Energy Use – Electricity and natural gas use by Town of Mountain Village government, including building energy use, streetlights, town plaza snowmelt, and other exterior uses. Note: Gondola electricity use is 100% offset by SMPA Green Blocks, so Gondola electricity use does not contribute to GHG emissions. Gondola natural gas use does contribute toward TMV GHG emissions. Government portion of emissions increased from 2017 to 2018 (see Town of Mountain Village 2018 Government Energy Use and Greenhouse Gas Report for details).
- Residential Buildings – electricity and natural gas use for homes, including exterior lighting, snowmelt systems, and patio fireplaces. Renewable electricity associated with net-metered solar systems, SMPA solar farm purchases, and Green Blocks offsets decrease the emissions associated with residential building emissions.
- Commercial Buildings– electricity and natural gas use for commercial buildings and other use, including exterior lighting, snowmelt systems, patio fireplaces, and Mountain Village ski area operations.

Renewable electricity associated with net-metered solar systems, SMPA solar farm purchases, and Green Blocks offsets decrease the emissions associated with commercial building emissions.

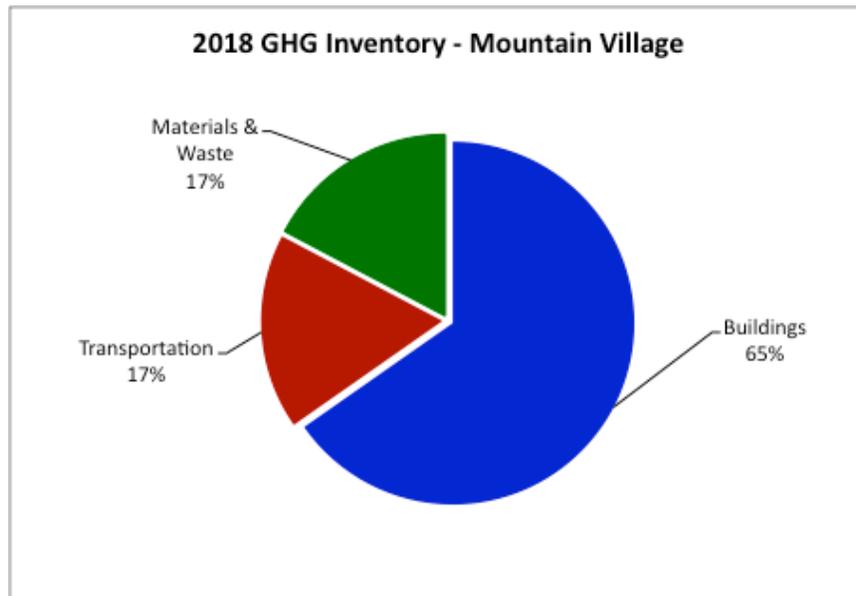
- Water Treatment & Pumping – Electricity used by Town of Mountain Village for treatment and pumping of water. Water electricity emissions increased from 2017 to 2018 (see Town of Mountain Village 2018 Government Energy Use and Greenhouse Gas Report for details on water use).
- Gasoline Vehicles – Emissions from gasoline vehicles
- Diesel Vehicles – Emissions from diesel vehicles
- Air Travel – Emissions associated with airplane fuel & enplanements at Telluride Airport & Montrose Regional Airport. (for allocations, See Appendix A)
- Fuel Production – Processing emissions associated with gasoline and diesel fuel before the fuel enters vehicles
- Waste – Emissions associated with Municipal Solid Waste taken to landfill to decompose
- Cement – Emissions associated with cement for Mountain Village, based on Colorado’s total economy
- Food Purchase – Emissions calculated based on Mountain Village’s total population of census and visitors

Additional Items:

These items contribute to reducing MV’s GHG emissions and are incorporated into the overall total calculated value of 99,600 mtCO₂e:

- Open Space Carbon Sequestration – Mountain Village’s dedicated open space is a mixture of grasslands, wetlands and mixed forest. All of these areas sequester carbon and thus reduce GHG emissions by a total of approximately 312 mtCO₂e, or 0.31% of MV’s total GHG Inventory.
- SMPA Community Solar Farm – Mountain Village’s total participation in the community solar farm is the equivalent of 170 mtCO₂e, or 0.17% of MV’s total GHG Inventory.
- Gondola electricity use is 100% offset with SMPA Green Blocks (~1,872,500 kWh), equivalent to 1500 mt-CO₂e, or 1.5% of MV’s total GHG Inventory.
- On-site Net-metered Solar PV Systems – Government, residential & commercial on-site systems produced over 115,600 kWh in 2018, reducing GHG emissions by approximately 93 mt-CO₂e, or 0.09% of MV’s total GHG Inventory. Electricity used while these systems were producing electricity does not get metered, so the numbers under-represent the total production of electricity by these systems.
- Gondola Transportation – Gondola use reduces vehicle transportation between Telluride and Mountain Village. In a previous study by EcoAction Partners for Mountain Village, it was estimated that gondola usage reduced GHG emissions by approximately 2,700 mt-CO₂e in 2010, or 2.7% of MV’s total 2017 GHG Inventory.

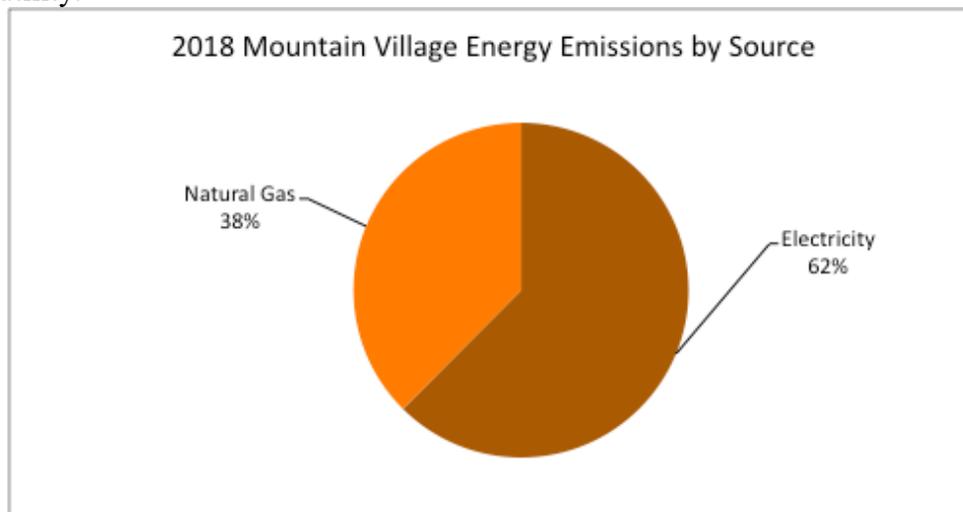
Simplified pie chart



The pie chart above simplifies the Mountain Village Inventory by showing 3 main categories:

1. Buildings – 65%
2. Transportation – 17%
3. Materials & Waste – 17%

Clearly, building energy consumption is the largest category of GHG emissions. The next pie chart shows just the Building emissions portion of the above pie chart (government, residential, & commercial combined) broken down per utility:

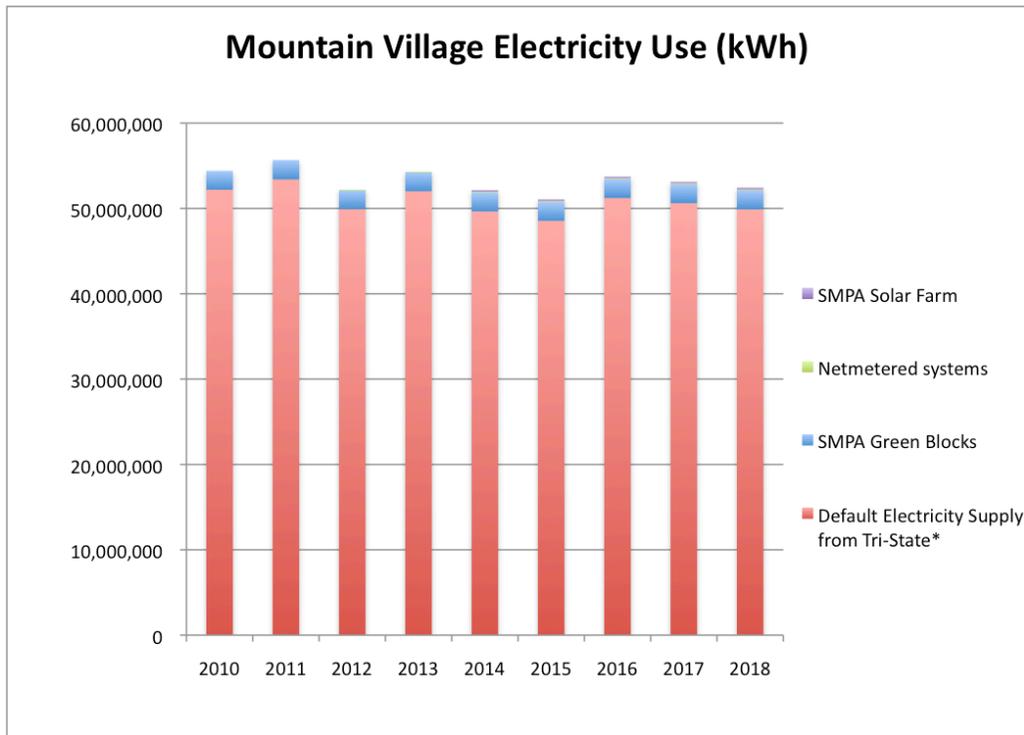


Electricity emissions are impacted by overall usage and the emissions factor, which reflects the amount of renewable energy that is part of our overall electricity mix. This value is provided to SMPA from Tri-State annually and has been steadily decreasing since 2010, from 2.12 to 1.595 lb-CO₂e/kWh.

Natural gas emissions are also impacted by overall usage and the emissions factor, which is determined how the natural gas is produced. In 2010, Source Gas provided this factor at 11.88 lb-CO₂e/therm. For 2017 & 2018, the natural gas emissions factor was provided by Black Hills at 11.68 lb-CO₂e/therm.

Natural gas and electricity data is provided annually from the utility companies, broken down by jurisdiction. It's accurate data that is easy to track and analyze progress toward reduction goals. Mountain Village's electricity and natural gas usage have been tracked since 2010, with analysis presented annually by EcoAction Partners to Town Council. The following graphs show electricity and natural gas use from 2010 to 2018.

Mountain Village Electricity Use:



**Default Electricity Supply from Tri-State Generation & Transmission Association, Inc. - Tri-State reports that 30% of this comes from a renewable energy source.*

Electricity use associated with MV’s SMPA community solar farm purchases, net-metered solar systems, and SMPA Green Blocks offsets do not contribute to MV’s GHG emissions. Electricity emissions in the pie charts are associated with Mountain Village’s “Default Electricity Supply from Tri-State” which is approximately 50,000,000 kilowatt-hours annually. Notable, is that overall use has decreased by 3.6% since 2010, despite an increase in people, buildings, and overall economy. Continuing to increase renewable energy in our electricity mix and decrease electricity use through conservation and efficiency will continue to reduce electricity-related emissions.

Mountain Village Electricity GHG emissions:

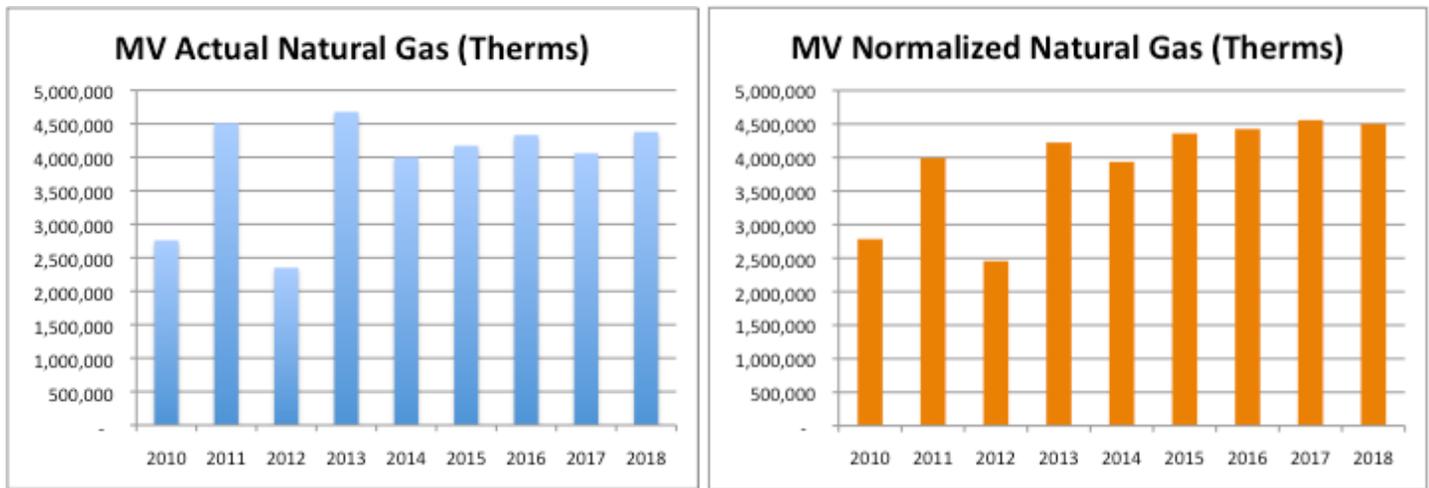
GHG emissions associated with the “Default Electricity” consumed is calculated using the Tri-State emissions factor for each year.

2010 – 52,191,724 kWh produced 50,300 mtCO₂e

2018 – 49,885,933 kWh produced 39,300 mtCO₂e

Thus, since 2010, MV has seen a 21.9% reduction in emissions from electricity use.

Mountain Village Natural Gas Use:



*In 2010, some of MV's natural gas use was assigned by Source Gas to San Miguel County, resulting in an inaccurate baseline for Mountain Village. Thus, 2011 data is used for baseline purposes.

*In 2018, Black Hills Energy updated their database to improve location accuracy of meters. As a result, some meters previously included within Mountain Village boundaries have been reallocated to San Miguel County.

Actual natural gas use is greatly influenced by temperature and snowfall from year to year, to a greater extent than electricity use. Thus actual natural gas use is reviewed with respect to these weather variations. Normalizing natural gas use is a calculation process performed to adjust for temperature variations. It does not adjust for snowfall.

In general, natural gas use has been increasing, when adjusted to account for varying winter temperatures. This increase is in line with increased building and snowmelt square footage being constructed in Mountain Village. Overall natural gas use can be reduced through efficiency and conservation measures, addressing new construction through energy efficient building codes and existing buildings through implementing Energy Conservation Measures, such as weatherization, increasing insulation, and improving tuning mechanical heating systems and controls.

Mountain Village Natural Gas GHG emissions:

To understand progress toward addressing GHG emissions, emissions associated with normalized natural gas have been used to calculate GHG emissions associated with natural gas consumption:

2011 – 4,006,797 therms produced 21,600 mtCO₂e

2017 – 4,573,998 therms produced 24,400 mtCO₂e

2018 – 4,502,366 therms produced 24,000 mtCO₂e

Thus, an 11% increase in natural gas related emissions is seen comparing 2011 to 2017 & 2018.

Factors influencing Energy Use & GHG Emissions:

Multiple variables impact annual use of electricity and the resulting GHG Emissions. These include:

- Population – Census & Visitors
- Economy:
 - New Construction
 - Hotel Occupancy
 - Restaurants & Businesses
- Weather:
 - Winter (& Summer) Temperatures
 - Snowfall
- Emissions factors – Electricity, natural gas & other fuels

Charts tracking these variables from year-to-year follow this report, with further explanation of their influence provided in the annual GHG Inventory presentation given by EcoAction Partners.

Per Capita & Comparison Discussion:

The Mountain Village 2017 GHG Inventory report provided an extensive section covering a discussion regarding per capita analysis and comparisons to other jurisdictions' GHG Inventories. Since Mountain Village's overall emissions and sources have not dramatically changed between 2017 and 2018, this section was not recreated for this 2018 report.

Recommendations for GHG Emissions reductions:

It is recommended that Mountain Village adopt the new Colorado state goals for GHG emission reductions, and consider adopting a target of carbon neutrality by 2030.

The Regional Sustainability Action Plan (STRATEGY) developed in 2010 by the Sneffels Energy Board is a comprehensive document for San Miguel and Ouray Counties, and all of the jurisdictions within. The STRATEGY is a guide to multi-jurisdictional energy action planning providing a framework to facilitate streamlined, inter-entity collaboration in our region's efforts to effectively manage energy resources, reduce energy costs and meet energy, water, waste and transportation fuel reduction goals. Within it is an extensive list of region-wide and jurisdiction-specific actions for reducing GHG emissions and achieving region-wide sustainability goals. Mountain Village was represented throughout the development of this document by Bob Delves and Deanna Drew. It is available at <http://www.ecoactionpartners.org/sustainability-action-plan>.

This regional plan and the goals within it will be updated during 2020 by the Sneffels Energy Board. Mountain Village council & staff representatives are invited to be a part of this important discussion and planning process. Recommendations from the Green Team and Mountain Village staff will be valuable for the community-specific portion of the plan and will also contribute toward the regional planning process.

2017 discussions with MV staff and Green Team, resulted in the following list of ideas for MV to reduce emissions. A comprehensive plan to reduce GHG emissions would also address Transportation, Food, Waste & Consumption areas of the GHG Inventory.

Maximize partnership possibilities with other organizations

Renewable Electricity

- Collaborate with SMPA toward increasing local renewable electricity
- Support new Community Solar Farm development & include as an option for REMP
- Promote SMPA Green Blocks & efficiency programs along with MV Incentives

Community Programs to address existing homes & buildings

- Continue MV program development & implementation
 - Farm-to-Community Program
 - Composting Incentive Program
 - Incentivize smart controls for snowmelt systems and electric heat tape
 - Incentivize on-site renewable energy systems
 - Consider an incentive program for larger housing units / hotels to install smart energy controls

- Continued participation in EcoAction Partners' regional programs:
 - Green Lights
 - SMPA IQ Weatherization
 - Green Business Certification Program for Lodging, Restaurants, Retail, & other businesses
 - Green Property Manager Program to address part-time / unoccupied homes
 - Community Composting

Building Energy Code Adoption:

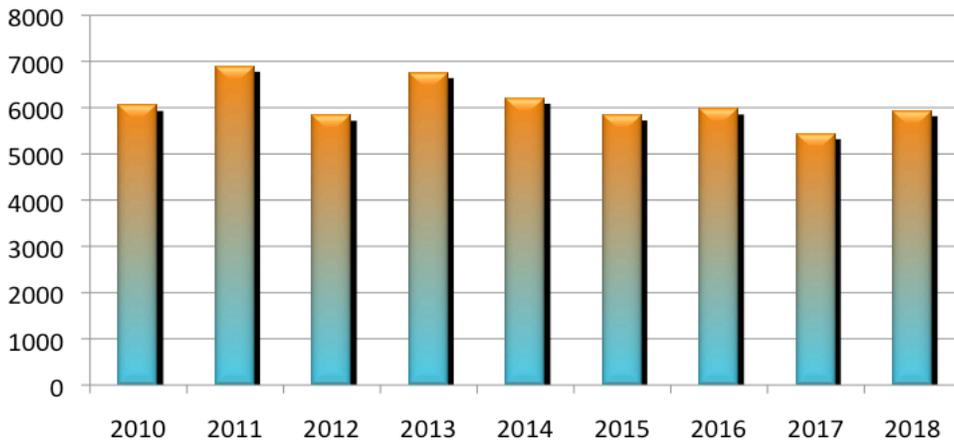
- 2018 IECC with amendments that progress energy efficiency
- Reconsider size categories & HERS scores
- Scale toward Net Zero home as size increases
- Require house electricity offset of 100%, through Green Blocks, on-site renewable energy, or other equivalent
- Consider adding natural gas offset requirement, through Green Blocks, RECs or equivalent
- Incentivize small homes < 3000 SF & net-zero, passive home construction through financial or expedited process
- Require solar panels or solar-ready provisions on all new construction
- Require smart energy control systems on new lodging units and larger residences

Renewable Energy Mitigation Program (REMP):

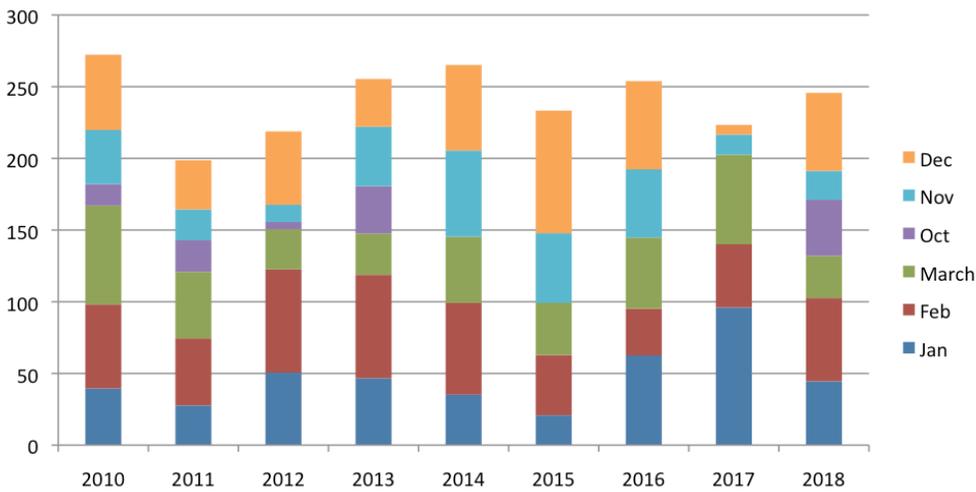
- Update fees to offset carbon to match current costs & solar production values
- Eliminate or reduce free 1000 SF of snowmelt allowed
- Address outdoor fireplaces and infrared heaters
- Continue double-incentive for on-site renewable energy mitigation

Weather Data - Telluride (HDD*)

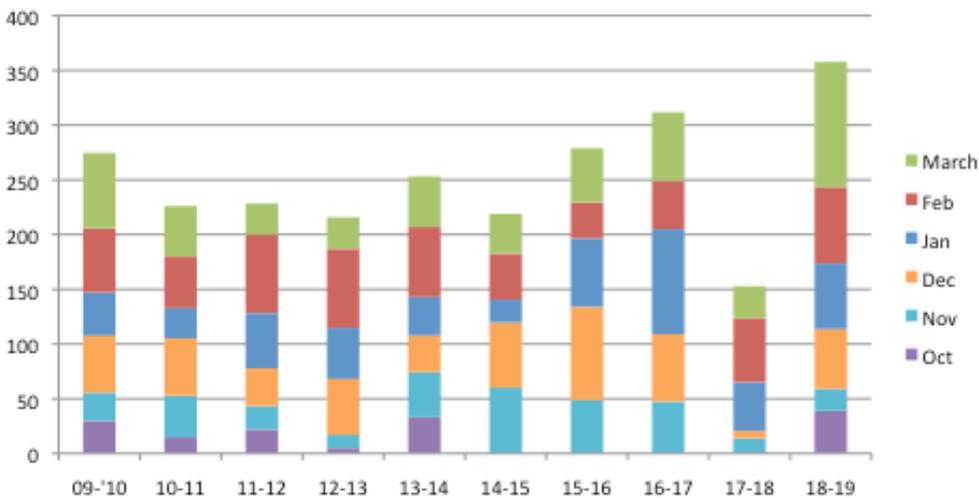
*total building heat needed annually



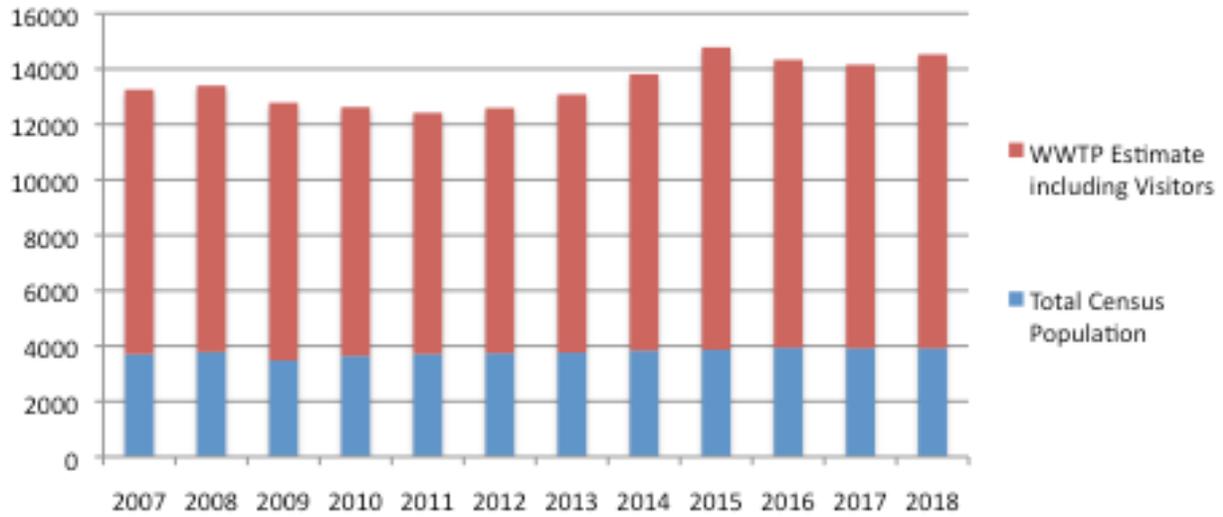
Annual Calendar Snowfall Data (inches)



Seasonal Snowfall Data (inches)



Telluride & Mountain Village Population



Conversion Factors Used:

TriState (SMPA): 2.12 lb CO₂e/kWh (pre-2012) 1.96 lbCO₂d/kWh (2012) 1.93 lbCO₂e/kWh (2013)
 1.99 lbCO₂e/kWh (2014) 1.871 lbCO₂e/kWh (2015) 1.776 lbCO₂e/kWh (2016)
 1.595 lbCO₂e/kWh (2017)

Black Hills Energy: 11.68 lbCO₂e/therm **Source Gas (2010-2016):** 11.88 lbCO₂e/therm

Gasoline: 20.02 lbCO₂e/gallon (tail-pipe emissions only per government GHG protocol)

Diesel: 22.44 lb CO₂e/gallon (tail-pipe emissions only per government GHG protocol)

Local Benchmark Comparison from 2017:

Description of Benchmark	San Miguel County, CO (2017)	Telluride, CO (2017)	Town of Mountain Village, CO (2017)	Aspen, CO (2014)	Mountain Village & Telluride (2017)	Units of measurement	Notes
Total GHG Emissions	244,000	67,500	96,000	394,391	163,500	mtCO2e	
Avg. Res. electricity use	894	728	1268			kWh/hh/mo	
Avg. Res. Natural gas use	110	73	197			therms/hh/mo	*incl snowmelt systems
Avg. Res. Electricity (kWh/sf/yr)	4.70	5.19	5.23			KWh/sf/yr	
Avg. Res. Natural Gas/sq.ft/yr	0.28	0.30	0.36			therms/sf/yr	*incl snowmelt systems
Avg. Comm/ Ind./ Pub. Buildings Energy use intensity	227	335	343			Kbtu/ft ² /year	
Vehicle Miles per person per day	17.0	27.0	28.0			VMT/person/day	*per census population
Water	189	168	266			gallons/person/day	*not including snowmaking
Wastewater	118	73	184			gallons/person/day	*per census population
Municipal Solid Waste	6.8	10.0	18.1			lb/person/day	*per census population
GHG Emissions per capita	30.2	28.6	68.4	46.8	41.5	Mt-CO2e/person/year	*per census population
GHG Emissions per capita + visitors	17.2	12.5	26.2		17.2	Mt-CO2e/person/year	*per capita incl Visitors

Mountain Village GHG Inventory

Appendix A

San Miguel County Shared Resources Notes

SMC Shared Resources Meeting for GHG Inventories

Wednesday July 11, 10-12 at WPL Telluride Room

(Note this document was updated after the meeting with outcomes & findings)

The aim of this meeting is to reach consensus as to how the GHG emissions associated with each shared resource will be assigned between the Telluride & Mountain Village GHG Inventories. Allocations for Telluride's inventories from 2010-2017 are explained below, along with associated Mountain Village analyses. The SMC inventory includes all jurisdictions (including Telluride & MV) and thus is inclusive of these resources.

Allocation methodologies to consider for each resource:

- Location of utility meters determines how electricity and natural gas values are provided by SMPA and Black Hills Energy
- % of county population
- Is data available to parse resources between communities?
- Allocation of tourist impact to Telluride & Mountain Village versus rest of SMC or greater region?

Regionally Shared Resources

Wastewater Treatment Plant – Telluride & MV & SMC subdivisions

MV: 15% ownership, \$30,000 toward solar PV system, 35% of use

Towns working toward Regional Sewer District (~5 years?)

- Electricity & natural gas: 100% to Telluride
- Biogas emissions (nitrogen & methane) from all 10,000+ visitors: 100% assigned to Telluride
- *Could allocate all of the above based on % of use. Group agreed to continue allocation to Telluride*

*WasteWater analysis charts (no impact to GHG Inventory emissions)

35% assigned to MV, 65% assigned to Telluride.

(For improved Telluride analysis – breakout of SMC subdivision population needed)

*Food GHG emissions are calculated using WWTP population accounting

35% assigned to MV

65% assigned to Telluride, minus SMC subdivision population of 1035

Gondola – eliminates vehicle traffic between MV & Telluride

100% of electricity & offset assigned to MV.

Natural gas & diesel use allocated to MV.

- TMVOA (through TMV electricity bills) purchases Green Blocks to offset electricity use by 100% (in 2017 offset was over by 30,000 kWh & adjusted by TMVOA for 2018 onward), so electricity use does not show up in GHG pie.

Telluride Ski & Golf – operations in MV, Telluride, & County land

*electricity & natural gas allocated per meter location
(provided this way by SMPA & Black Hills Energy for all regional utility use)*

- TSG operations include:
 - Office space & Businesses in MV core
 - The Peaks & other lodging
 - On-mountain operations
 - Conference Center
 - Telluride - Base of Gondola & Lift 7 operations
- *Could ask for TSG assistance in separating utility bills based on location of service, to reassign emissions accordingly*

Regional airports – serve region

- Telluride airport: 100% allocated to SMC, divided 50/50 between Telluride & MV
- 65% of Montrose airport to San Miguel County – group agreed to split 50/50 between Telluride & MV

Vehicle Transportation – data provided per county

Emissions assigned as % population of SMC

- Vehicle registration data & CDOT studies are basis for current Inventory
- Transit Services (some shared among jurisdictions)
- *Traffic count data for Telluride & MV would provide better data specific to community driving, but wouldn't account for distance of travel to each town*

Telluride Festivals – all 3 governments resources utilized

Electricity & water use tied to Telluride Town Park

- Located in Telluride Town Park
- Gondola used
- Camping in outlying areas, with school bus transportation
- People travel to region for festivals
- Benefits all businesses

Mountain Village Sunset Series – MV resources

- Located in Mountain Village
- Gondola used
- Regional benefit

Others – serve region, allocated by location

- Wilkinson Public Library - Telluride
- Telluride Medical Center – Telluride
- Telluride School District – Telluride
- Telluride Mountain School - SMC

Data Gaps

Trash & Recycling –

- Bruin provides data per jurisdiction. Has not provided for 2017. Telluride fined Bruin for lack of 2016 & 2017 data. Bruin data is only part of the waste picture.

- Waste Management – Private company, data not available. Could be requested through jurisdiction contracts, similar to MV’s contract with Waste Management.
- 2017 Regional & SMC Inventories – data from EcoAction Partner’s Regional Waste Diversion Study. 2015 data trash & recycling per jurisdiction

Transportation –

- Region 10 study data not applicable. It focuses on gaps in transit services.
- CDOT data tracks highway travel only, not all roads.
- Registered vehicles in counties relies upon average CO annual mileage.
- Off-Road vehicle use is increasing, but not accounted for.

Affordable Housing –

- Regional impacts on transit studies & transportation emissions
- GHG calculation could be done to compare impacts of reducing commute mileage for local employees

Food -

- Population-based calculation, including visitors. Telluride is based on 65% of WWTP, minus estimated SMC subdivision population served by WWTP (~1035). Mountain Village would be 35% of WWTP population.
- A food study would be helpful for more accurate food emissions & tracking reduction associated with farmers markets & programs.

Propane data –

- Estimate from 2010
- Private companies, updated data not currently available

Mountain Village GHG Inventory Appendix B Bases for GHG Inventory Calculations

Carbon Emissions Footprint Calculator for Cities™

Copyright (c) 2011, Regents of the University of Colorado.

The workbook is provided to facilitate future updates to Ouray and San Miguel's Greenhouse Gas (GHG) Emissions Inventory. This inventory was completed for 2010 based on ICLEI/WRI protocols and the Demand-Centered Hybrid Life Cycle Analysis methodology (Ramaswami et al., 2008 - see Resource 3). EcoAction Partners uses the workbook to update our regional GHG Emissions Inventory annually.

General data:

Census Population – obtained annually from the Colorado DOLA website

Visitor Population

- SMC visitor values are calculated using the Telluride & Mountain Village Wastewater Treatment Plant BOD data.
- Ouray County visitor estimates are obtained from the visitor centers in Ridgway & Ouray

of Households, SF of commercial & residential buildings – these values are not used in overall GHG emissions calculations, but are collected for other benchmarking purposes. The Ouray County & San Miguel County Assessors offices provide this data.

Energy (blue):

Residential & Commercial Building Energy Use:

Electricity

- SMPA provides data annually per community for residential, commercial & irrigation (provided in 1st quarter for previous year). Data is categorized as non-renewable sales, Green Blocks sales, SMPA community solar farm production, & net-metered system production.
- Tri-State emissions factor - provided to SMPA annually based on Tri-State's total mix of electricity sources (provided late in year for the previous year, thus GHG Inventory value is a year behind when presented to governments, but gets updated during the following year.)

Natural Gas

- Black Hills Energy Corporation (previously SourceGas) provides data annually – per community for residential, commercial & irrigation (provided in 1st quarter for previous year).
- Emissions factor – In 2010, Source Gas provided this factor and in 2017, Black Hills Energy Corporation provided the BHE value. Inventories from this transition onward utilize this Black Hills emissions factor.

Propane

- based on initial 2010 estimate from regional propane companies, who are not obligated to release information and have not provided data since.
- Emissions factor – LGOP default factor from 2010

Government Energy Use:

Government electricity & natural gas use – provided annually by governments: utility bill data, Green Blocks purchases, renewable system production, REC purchases

Water / Wastewater Treatment Electricity & Natural Gas - provided annually by governments from utility bills

Transit (red):**Vehicle Transportation:**

Transportation tail-pipe emissions are calculated using total Vehicle Miles Traveled (VMT), which is derived using two different methods - vehicle registration and average daily traffic. VMT is divided by average regional vehicle fleet fuel economy to calculate fuel consumption, which is used to determine GHG emissions from surface transportation. The Colorado Department of Public Health and Environment (CDPHE) conducts on-road vehicle surveys to characterize the Colorado vehicle mix (95% gasoline, 5% diesel).

Vehicle Registration Method:

- # Vehicles registered in San Miguel & Ouray Counties updated annually
- Vehicle Miles Travelled (VMT) estimate per vehicle / year, per EPA – 12,000

Average Daily Traffic Method:

- Average Daily traffic counts of Vehicle Miles Travelled (VMT) per county per Colorado Department of Transportation (CDOT) studies (2009), based on 342 working days/year

Gasoline (95% per CDPHE)

- 20.1 average MPG per CDPHE (2010)

Diesel (5% per CDPHE)

- 6.3 average MPG per CDPHE (2010)

Airline Transport:

- Annual aircraft fuel (jet fuel and aviation gasoline) used is provided annually from the Telluride Airport and the Montrose Regional Airport (65% of passengers travel to OC & SMC).
- Emissions factors used are from the Department of Energy (DOE).
- Total number of enplanements (passengers) is also tracked to obtain emissions/person.

Emissions values for all fuels are sourced from The Carbon Registry, local government protocol, September 2008.

Materials and embodied energy (transboundary reporting):

This section will count all the GHG emissions associated with producing and transporting key materials to OC & SMC, including food, cement, and fuel. Just like electricity, these materials are produced outside the boundaries of the community but are essential to community life. WRI and ICLEI are continuously updating their guidelines on how to include these trans-boundary emissions, termed "Scope 3 Emissions."

Food:

This calculation was originally based on 2005 BLS Economic Census data for 2009\$ for average annual household dollars spent on food. Recently, due to the relatively large percentage of households in the region that are not fully occupied year-round, and the annual influx of visitors that contribute to our regional food carbon footprint, all GHG Inventories (2010-2016) were converted in 2017 to use the average food carbon footprint for annual mtCO₂e/person found in industry studies published online. This carbon footprint value is used with the regional visitor data (vs census) to calculate our annual food-related emissions.

Waste & Recycling: calculated using EPA WARM methodology

- We have 2 main waste haulers for the region.
- Bruin provides annually updated data for volumes of waste and recycling collected throughout the region.
- Waste Management provided total data in 2010 for collection in Montrose, Delta, San Miguel & Ouray Counties, but has not provided updated data since.
- The Sneffels Waste Diversion Planning Project was completed in December 2016 by EcoAction Partners. It includes an analysis of total volume of waste and recycling. This is the most accurate regional information currently available. Thus OC & SMC total waste data is based on this study.
- Values from the study are used with WARM* emissions data to calculate annual waste & recycling emissions.

**Waste Reduction Model (WARM) was created by the U.S. Environmental Protection Agency (EPA) to help solid waste planners and organizations estimate greenhouse gas (GHG) emission reductions from several different waste management practices.*

Cement:

- Total cement consumed in Colorado in 2007 is multiplied by % of state census population located in OC & SMC.

Fuel Production:

- The fuel production emissions factor represents emissions from the production and shipping of fuels. Also known as Wells-to-Pumps, W2P, or WTP Emissions
- The emissions factor for Gasoline, Diesel, & Jet Fuel is multiplied by the total gallons of each fuel used in the region to obtain overall annual emissions.
- WTP Emissions values for all fuels are sourced from the 2017 GREET WTP analysis.

Water & Wastewater Treatment Emissions:

Regional governments provide annual gallons of water treated at each plant. These values are utilized with annual census & visitor data, using ICLEI Protocol for Fugitive Emissions from Wastewater equations (10.2, 10.8 and 10.10)* to calculate annual emissions associated with water and wastewater treatment.

*See ICLEI Local Government Operations Protocol v 1.0 for more information

2019-2020: 3rd Tuesday of Every Month (Current Schedule)

- 2019: 11.19.19, 12.17.19.
- 2020: 1.21.20, 2.18.20, 3.17.20, 4.21.20, 5.19.20, 6.16.20, 7.21.20, 8.18.20, 9.15.20, 10.20.20, 11.17.20, 12.15.20.

2019-2020: 1st Tuesday of the Month

- 2019: 11.5.19 (Town of Telluride Election), 12.3.19.
- 2020: 1.7.20, 2.4.20, 3.3.20, 4.7.20, 5.5.20, 6.2.20, 7.7.20, 8.4.20, 9.1.20, 10.6.20, 11.3.20, 12.1.20.

2019-2020: 2nd Tuesday of the Month

- 2019: 11.12.19, 12.10.19.
- 2020: 1.14.20, 2.11.20, 3.10.20, 4.14.20, 5.12.20, 6.9.20, 7.14.20, 8.11.20, 9.8.20, 10.13.20, 11.10.20, 12.8.20.



2020 Active Work Plan

1. Mountain Village Clean Up Day

Budget Item / Allocation: Mountain Village Clean Up / \$5,000

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January – March	Create Plan with Established Subcommittee	I'm happy to be on this committee, just not the chair.		
April	Acquire permits, permission for alcohol, establish date of event. Figure out accessibility for Plaza location. Have researched and chosen trash scale for event.			
May – August	Market event, define measurable outcomes, acquire prizes and sponsors. Settle all equipment details. Prepare trash contest, and script for MC.			
September – December	Evaluate outcomes and plan for 2020			

Notes:

- What is the goal of this event? Is it to promote the Green Team? To coordinate with other entities' cleanup days
 - Should electronics recycling be added? **I think since our liquor budget was so underused we could allocate some of that money toward trying out electronics recycling and see how that goes.**
 - Should a multi year plan be developed?
 - Should there be multiple cleanups per year? I think one is plenty
2. Composting Program: **Bigger Picture comment from our last meeting: Should this become a region wide initiative with a location in the lawson area? or should we start with the resort as a test?**
 Budget Item / Allocation: Compost Rebate Program / \$25,000 **I agree with Heidi's comment, and would add that green waste composting location could be explored**

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January – February	Determine whether single unit or multi-unit composting units is the best course of action, choose the unit. Determine Location for commercial composter			

Heidi Stenhahmm... ✓ ✕

11:37 AM Sep 18

Add: "I think since our liquor budget was so underused we could allocate some of that money toward trying ..."

Catherine Jett

10:01 AM Sep 19

Great idea!

Catherine Jett

9:08 AM Oct 2

I also just learned that you can recycle your electronics at Office Depot for a pretty nominal fee. Why wait until once

[Show more](#)

	Staffing Needs			
	Become a spoketown for a certain brand?			
January – February	Create a marketing plan			
	Develop an education plan to teach and guide s recipients on how to use If multi-unit composter is used, develop a plan for the HOA to manage and correctly use the system. Does a dog composter have a place in this initiative?			
February – May	Develop a plan for use of the final product produced from the composter			
May – December	Mitigate any issues			
September	Evaluate Outcome – recommendations for 2020			

3. Single Use Plastics Ban Implementation and Education

Budget Item / Allocation: Council Directive / Contingency or Education. Amount: ?

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January – March	Ordinance Vote Finalize conversion from voluntary to mandatory based on state level			
April – December	Education plan and implementation			
June	Change business licenses to have a paragraph that acknowledges the plastics ban			

4. Green Team Attendance at various educational/networking opportunities (See item 13 for further information)

Budget Item / Allocation: Communications/Education: \$???

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January	Submit requests to staff for approval. Provide seminar information, travel estimates, etc.			
January	Schedule quarterly joint meetings with Telluride Ecology Commission			
January - February	Finalize which programs will be attended. Determine who will be attending and what reporting/education to the GT, Staff, and TC needs to come from the attendee.			
January - December	Attend Conferences			
February – December	Mitigate any issuesadd Attendees report on seminar/class to GT			
September	Evaluate Outcome – recommendations for 2020			

4. Develop an incentive program to minimize traffic on the Telluride Spur and get people in the gondola

Work with the Town of Telluride, School District, and the State to see how this can be accomplished.

Budget Item / Allocation:?? I think items 1-4 are enough for 2020

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January				

5. Beaver Deceiver(s) for the Meadows Pond

Work with TSG and neighborhood stakeholders to develop a plan to co-exist with Beavers in the Meadows area and mitigate impacts to roads and homes.

Budget Item / Allocation: \$1,000 I think proteau mentioned he would be happy to help with this. But, again, items 1-4 seem like enough for 2020. I agree - let's keep our goals manageable'

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January				

6. Freshen up Green Gondola Campaign

Should this still be a donation program?

Budget Item / Allocation: ??

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
January				

7. Green Tips

Each member will come up with two small items to be included on the Town website, Mayor's Minute, Daily Planet, etc.

Budget Item / Allocation: Communications/Education: Part of \$10,000

Time Frame	Team Member(s)	Time Spent	Date Completed
January – February	Marti		



Martinique Proha...

3:48 PM Oct 1

✓
✕

Add: "Consider hosting class with CSU extension office or other entity for local landscapers, home gardene..."

March - April	Heidi (do up come up with four...two for March and two for april?)		
May – June			
July – August			
September – October			
November – December			

8. Bike to Work Day

Budget Item / Allocation: Bike to work participation: \$100.00

Time Frame	Action Item	Team Member(s)	Time Spent	Date Completed
February	San Miguel Bike Alliance to meet with Ecology Commission to discuss. Report will be sent to chair			
March – April	Finalize Date and work with SMBA to develop route			
May – June	Work with staff to develop marketing for the event			
June	Bike to Work Day Evaluate outcome			
June – August	Budget for 2020			

9. Track and Update 2025 Mountain Village Zero Waste Plan

(See attachment)

10. Adopt and develop measurables to align with the State HOUSE BILL 19-1261 (reduction of Green House Gases)

11. Work towards a sustainable community

- Work with staff to update and monitor REMP program
- Prepare and discuss ideas for the Environment and Sustainability of the Mountain Village Master Plan.
- Review and discuss Mountain Village’s efforts to carbon neutrality.
- Zero Waste Initiatives updates regarding regional approaches to reduce, repurpose, reuse and recycle specific waste streams to increase landfill diversion.
- Regional and local compost efforts and measurable on the carbon footprint.
- Quantitative data on recycling and waste for service contracts.
- Eliminate the use of most newsprint and be paperless.
- Help staff find alternative mechanized equipment that is less polluting and more efficient Such as vehicles, landscape equipment, and other related items.
- Review franchise fees with SMPA and Black Hills to offset green energy projects.
- Create a credit for large hotels that create energy systems that reduce their carbon footprint
- Update building codes to 2018. Draft created by staff prior to departure

Education of Green Team

- Continue to learn and examine about waste streams, recycling, repurposing and reduction processes locally, regionally, state wide, nationally and around the world. This include zero waste and impacts on composting and emissions impact.
- Discussions about invasive weeds and eradication and pesticides used. Consider hosting class with CSU extension office or other entity for local landscapers, home gardeners, and property owners - maybe not Green Team specific but open to community
-
- Drought impacts and run off issues related to extreme weather events

- Colorado parks and wildlife impacts and organizations
- Forest management and the impact to our community
- Memberships with professional organizations
- Attendance to educational conferences

Submitted (Office Use)	RS*	Item No	Submittal Requirements
	<input type="checkbox"/>	1.	Application Form and Fee Acknowledgement Form. Forms Completed Signed (Attached).
	<input type="checkbox"/>	2.	Proof of Ownership. Copy of current deed or title report on the effected property.
	<input type="checkbox"/>	3.	Agency Letter. If application is not submitted by the owner of the property, a letter of agency, signed by the property owner giving permission to a firm or person to submit the requested land use application (Attached).
	<input type="checkbox"/>	4.	HOA Letter. For placement of the personal composter on property that is owned in common by a homeowners association, the development application shall include: A. A letter from the Homeowner’s Association (HOA) board giving permission for the application (Attached), and where a vote is required by the HOA governing documents, a copy of the proof of the vote and outcome of such vote. B. A copy of the HOA governing documents, including bylaws and declaration.
	<input type="checkbox"/>	5.	Application Narrative. A short-written narrative of the application that outlines the request and how requirements will be met. The narrative should include a summary of how the application will meet the key requirements of the composting, and how they will commit to providing Town staff a food diversion weight report monthly*. This helps calculate landfill diversion rates and Green House Gas reductions.
	<input type="checkbox"/>	6.	Site Plan. A site plan showing all proposed compost location with an engineered scale of 1”=10’ to a maximum of 1” =30’ showing: i. Compost Unit information and size ii. Unit location iii. Compost distribution area for curing iv. Scale location
	<input type="checkbox"/> ◆		Introduction and Letter of Acknowledgment All applicants must participate in introduction to composting meeting and sign a letter of acknowledgment with a full understanding of the correct composting process and program requirements.
	<input type="checkbox"/> ◆		Unit Receipt A complete itemized receipt must be submitted with application.

Please return completed compost incentive application form to Zoe Dohnal: Town of Mountain Village, 455 Mountain Village Boulevard, Suite A, Mountain Village, CO, 81435. You may also deliver the form to Mountain Village Town Hall or email the form to zdohnal@mtnvillage.org.

**The Colorado Department of Public Health and the Environment (CDPHE) exempts in-vessel composting units under 10 square feet from reporting requirements. If your composting structure is larger than 10 square feet or has open air elements, you will be required to report quantities and temperatures to the State of Colorado. For further assistance with this, please contact the CDPHE Solid Waste Materials Management Unit at 303-692-3337*

INDIVIDUAL COMPOSTING UNIT APPLICATION

APPLICANT INFORMATION

Name:		E-mail Address:	
Mailing Address:		Phone:	
City:	State:	Zip Code:	
Household Size:			

PROPERTY INFORMATION

Physical Address:	
Are you the property: <input type="checkbox"/> OWNER <input type="checkbox"/> RENTER	
Is your property managed by an HOA?	

OWNER INFORMATION *If you are not the owner of your property

Property Owner:		E-mail Address:	
Mailing Address:		Phone:	
City:	State:	Zip Code:	

DESCRIPTION OF REQUEST

What size unit will you be purchasing? *Give unit model details. Also note if you are going to purchase compatible solar panels for the unit.*

Planned Compost Location:

Planned Compost Curing Location:

Planned Scale Location:

Please select a date to attend and introduction to composting meeting.

DATE 1 DATE 2 DATE 3 DATE 4

**OWNER/APPLICANT
ACKNOWLEDGEMENT
OF RESPONSIBILITIES**

I, _____, the owner of Lot _____ (the "Property") hereby certify that the statements made by myself and my agents on this application are true and correct. I acknowledge that any misrepresentation of any information on the application submittal may be grounds for denial of the compost application or the imposition of penalties and/or fines pursuant to the Community Development Code. We agree to allow access to the proposed composting site at all times by members of Town staff, DRB and Town Council. We agree that if this request is approved, it is issued on the representations made in the compost application submittal, and any approval or subsequently issued building permit(s) or other type of permit(s) may be revoked without notice if there is a breach of representations or conditions of approval. By signing this acknowledgement, I understand and agree that I am responsible for the following:

- 1) Applicant will be required to attend an in-person interview to go over proper composting procedures.
- 2) Applicant will be responsible for following procedures and properly curing compost.
- 3) Applicant is responsible for ensuring compost does not become a public nuisance due to smell or unsightliness nor a wildlife hazard.
- 4) Applicant will provide monthly data to the of food weights prior to composting through an online form sent at the end of each month.

We further understand that I (we) are responsible for paying Town legal fees and other fees as set forth in the Community Development Code.

Signature of Owner Date

Signature of Applicant/Agent Date

OWNER AGENT AUTHORIZATION FORM

I have reviewed the application and hereby authorize (agent *name*) _____
to be and to act as my designated representative and represent the individual composting unit application
through all aspects of the development review process with the Town of Mountain Village.

(Signature)

(Date)

(Printed name)

HOA APPROVAL LETTER

I, (*print name*) _____, the HOA president of property located at _____, provide this letter as written approval of the plans dated _____ which have been submitted to the Town of Mountain Village Planning & Development Services Department for the proposed improvements to be completed at the address noted above. I understand that the proposed improvements include (*indicate below*):

(Signature)

(Date)

(Printed name)



Mountain Village Green Team

3rd Quarter Report

Accomplishments:

1. Mountain Village Composting Incentive Program

The Team has been testing a small composter that was designed as an affordable option for single families to compost food scraps and/or dog waste. There is also a solar option that eliminates the need for AC power. The current thought is to include smaller units as part of the incentive plan until an appropriately sized community unit, as well as location, can be found.

With the increase in bear activity, the current composter was initially successful in avoiding bear threats. However, as the hibernation preparation period progressed, bear activity was occurring. It will be recommended in the final composting plan that composters be contained inside the home or on an upper deck, or bear proofed as with any trash/recycling receptacle.

2. Elimination of Single-Use Plastics

The voluntary ordinance was passed by Town Council and appears to be working successfully within Mountain Village. There is a discussion at the state level that current statute verbiage will most likely be changed when the legislature returns to session. The team is developing an ordinance that will align with the state mandate that will trigger once it passes. In the meantime, efforts continue on a voluntary reduction through participant surveying and the creation of a single-use plastics elimination tool kit.

3. Mountain Village Clean-Up Day

An extremely successful event was held on August 24th. Approximately 100 participants and over 100 acres were cleaned up. 200 pounds of trash and over 300 pounds of recyclables. Moving the location of check-in and the party to Sunset Plaza was a huge success. Many visitors interacted with the team asking questions and even helping out.

Thank you to Savannah Wagner, TSG, and Boot Doctors for their “above and beyond” efforts to the project. Also thanks to Poacher’s, Telluride Sports, and all the other merchants and businesses who donated time, energy, swag, and drink to the cause.

Green Tips Program

The project has been completed by the team. Staff will continue to distribute through various media outlets.

4. EPA Waste Audit Grant

The audit was presented at the Intergovernmental Meeting on August 12. Workshops regarding community behavioral change began on October 8th. These workshops will focus on educating visitors and locals alike.

Big takeaways are that there is plenty of low hanging fruit to focus on in order to improve recycling efforts.