

**TOWN OF MOUNTAIN VILLAGE
GREEN TEAM COMMITTEE MEETING
TUESDAY, DECEMBER 17, 2019, 2:00 PM
2ND FLOOR CONFERENCE ROOM, MOUNTAIN VILLAGE TOWN HALL
455 MOUNTAIN VILLAGE BLVD, MOUNTAIN VILLAGE, COLORADO
AGENDA **REVISED****

Item	Time	Min	Presenter	Type	
1.	2:00		Jett		Call to Order
2.	2:00	5	Lambert	Action	Approval of the November 19, 2019 Green Team Committee Meeting Minutes
3.	2:05	5	Dohnal	Action	RFP Candidate Selection
4.	2:10	10	Haynes	Informational	REMP Update
5.	2:20	5	Jett	Action	Approval of the 2019 Oct – Dec: 4th Quarter Green Team Quarterly Report.
6.	2:25	30	Jett	Work Session	2020 Work Plan- Develop and Discuss
7.	2:55	10	Dohnal	Work Session	Solar Incentive Work Session
8.	3:05	5	Dohnal	Informational	Voluntary Single-Use Plastics Reduction Incentive Subcommittee Update
9.	3:10	10	Berry	Informational	Composting Subcommittee Update
10	3:20	5	Jett	Informational	<p>Items for Consideration:</p> <ul style="list-style-type: none"> A. Community Clean Up Day Subcommittee Update B. Snowmelt options for Chondola walkways C. Potential 2020 Conferences D. San Miguel Watershed Coalition Update E. Beaver Issue F. Finn Kjome to speak about Mountain Village water G. Piece of Art- to bring awareness of the Green Team Committee H. Adopt a Highway I. 2020 January – March: 1st Quarter Green Team Quarterly Report. Present in APRIL J. 2020 April – June: 2nd Quarter Green Team Quarterly Report. Present in JULY K. 2020 July – Sept: 3rd Quarter Green Team Quarterly Report. Present in OCT L. 2020 Oct – Dec: 4th Quarter Green Team Quarterly Report. Present in JAN
11	3:25	5	Jett	Informational	Other Business
12	3:30		Jett		Adjourn

**TOWN OF MOUNTAIN VILLAGE
MINUTES OF THE NOVEMBER 19, 2019
GREEN TEAM MEETING **DRAFT****

The meeting of the Green Team Committee was called to order by Jonathan Greenspan on Tuesday, November 19, 2019 at 2:01 p.m. in the Mountain Village Municipal Building, 455 Mountain Village Boulevard, Mountain Village, Colorado.

Attendance:

The following Green Team Committee members were present:

Jonathan Greenspan, Vice Chair and Mountain Village Resident
Jeff Proteau, Telluride Ski and Golf Company
Patrick Berry, Mountain Village Town Council
Marti Prohaska, Mountain Village Town Council
Heidi Stenhammer, Telluride Mountain Village Owner's Association
Mike Follen, At Large Member

The following were also in attendance:

Christina Lambert, Deputy Town Clerk (Staff)
Zoe Dohnal, Business Development & Sustainability Manager (Staff)
Kim Wheels. Eco Action Partners
Richard Child

The following Green Team Committee members were absent:

Cath Jett, Chair and Mountain Village Resident

Consideration of Approval of Minutes:

October 15, 2019 Green Team Committee Meeting Minutes

On a **MOTION** by Patrick Berry and seconded by Mike Follen, the Green Team Committee voted unanimously to approve the October 15, 2019 meeting minutes as presented.

Discussion and Committee Follow Up/Next Steps:

- **Agenda Item 3-** Mountain Village Community and Government Green House Gas Emissions Inventory Report Work Session:
 - **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this agenda item to the committee. Kim Wheels from Eco Action Partners was present for the discussion but did not get paid by Town of Mountain Village for her participation per the agreement. The Green Team Committee **DIRECTED** staff to add the following to the January Green Team Meeting Agenda: Develop a DRAFT Staff Survey.

➤ Agenda Item 4- RFP Applicant Review and Decision:

- **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. The Green Team Committee **SELECTED** the following top 3 applicants to continue moving forward with through the RFP process: 1. Lotus, 2. Eco Action Partners and 3. AET. The other 2 applicants have been removed from the RFP process: 1. Ruby Canyon Engineering and 2. LEIF. The top 3 applicants will be required to go through an interview process. The Green Team Committee **DIRECTED** Zoe Dohnal to create a list of potential interview questions. She is to email those questions to the Green Team Committee members no later than November 22, 2019. The committee members are to add to the list of questions and respond to Zoe's email no later than 5 p.m. on December 3, 2019. The Green Team Committee **DIRECTED** Zoe Dohnal to email the final list of questions to the top 3 applicants: 1. Lotus, 2. Eco Action Partners and 3. AET and to share their responses with the committee. The applicants have until December 9, 2019 to respond. The Green Team Committee did not vote on one final applicant during the November 19, 2019 meeting so the official vote has been **CONTINUED** to the December 17, 2019 Green Team Committee meeting. A decision must be made at the December meeting per the RFP guidelines.
- The Green Team Committee **DIRECTED** staff to coordinate a special meeting prior to the December Green Team Committee Meeting. The date of December 11, 2019 from 2-3:30 p.m. has been proposed.

➤ Agenda Item 5- Select Additional Alternative Seat Member and Make Recommendation to Town Council:

- **NEXT STEPS:** Discussion took place and Zoe Dohnal presented this item to the committee. Richard Child was present for the discussion. On a **MOTION** by Marti Prohaska and seconded by Heidi Stenhammer, the Green Team Committee voted 4 to 2 to recommend Inga Johansson as the alternate Green Team Member to Town Council. Marti Prohaska, Heidi Stenhammer, Jonathan Greenspan and Mike Follen voted for Inga Johansson. Patrick Berry and Jeff Proteau voted for Richard Child.

➤ Agenda Item 6- Voluntary Single Use Plastics Reduction Incentive Subcommittee Update:

- **NEXT STEPS:** There was no update provided by the subcommittee during the meeting.

➤ Agenda Item 7- Composting Subcommittee Update:

- **NEXT STEPS:** Discussion took place and Patrick Berry presented this item to the committee. The Composting Subcommittee is currently ready to move forward but they are still waiting on the composting device.

➤ Agenda Item 8- Items for Consideration:

- Community Clean Up Day Subcommittee Update
- Snowmelt options for Chondola walkways
- Potential 2020 Conferences
- Updates on Regulations from the State on Plastics
- 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:

There being no further business, on a **MOTION** by Marti Prohaska and seconded by Patrick Berry, the Green Team Committee voted unanimously to adjourn the meeting at 2:57 p.m.

Reminder:

The next Green Team Committee meeting will take place on Tuesday, December 17, 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



**PLANNING AND DEVELOPMENT SERVICES
DEPARTMENT**

455 Mountain Village Blvd.
Mountain Village, CO 81435
(970) 369-8250

TO: Green Team
FROM: Michelle Haynes, Planning and Development Services Director
FOR: Meeting on December 17, 2019
DATE: December 11, 2019
RE: Planning, Building and Housing Updates

2020 Building Update

The 2020 building department work plan includes adopting the 2018 International Building Codes and 2018 International Energy Conservation Code.

(Goal 1 from above). Adopt the 2018 ICC Codes by end of the year 2020. Assemble the necessary professional groups to hold meetings to review, amend and make a recommendation to the council for adoption of 2018 I Codes.

- a. Pay particular attention to how the updated codes may impact construction costs and life safety concerns.
- b. Understand how the updated codes may reduce energy use and/or waste consistent with town goals.

Mountain Village remains a leader in adopted building codes regionally. We are on the 2012 Building codes while the County is on the 2009 codes and the Town of Telluride are on the 2003 Codes.

The county will revisit code adoption once their new building official is up to speed. The Town of Telluride plans to adopt the 2018 building codes in the first quarter of 2020.

Typically jurisdictions adopt new codes every 6 years. We are on track with the typical adoption timeframe.

Our building official holds the highest number of certifications of any jurisdictional peer. We have intergovernmental agreements in place to perform electrical and plumbing inspections in the Town of Telluride and building inspections with the County, as needed. We are the only building department in the region that has a paperless building permitting and inspection system.

2020 Planning Goals:

Goal 6: Implement measures to reduce energy usage (GHG emissions) in the built environment

Measure

1. Work with the green team to identify Green House Gas Emissions implementation strategies through planning and building to reduce the 60% built environment emissions. Attend Green Team meetings in order to identify items to be integrated into the Green Team work plan in 2020

Attached are possible implementation strategies to be reviewed by the Green Team found in the 2014 Town of [Telluride Climate Action Plan](#). These possible strategies are region-specific and to help the green team determine whether any of the proposed strategies could be integrated into the Green Team's 2020 work plan.

Renewable Energy Mitigation Program Update

Funds are slated for use for two projects in 2020:

- 1) Solar Panels at the Town Public Works Shop
- 2) Programmable Thermostats in each unit at Village Court Apartments.

Planning will update the Green Team twice a year so that if additional funds are available, the Green Team can consider the use of these funds as a work plan item in the future.

/mbh

municipal legislation and administration can better address energy conservation and reductions measures through regulatory and policy changes.

The following list of recommendations are based upon the four GHG emission areas of Energy, Transportation, Waste and Food with the additional following notations regarding which mitigation area is relevant: Energy Conservation and Reduction (ECR), Offset Measure (OM), Direct Energy Generation (DEG)

Residential and commercial utility usage alone constitutes 51% of the GHG emissions for the community. Energy conservation and reduction measures in this area constitute the highest priority. Table 4 below lists each primary heading, subheadings and recommendations.

Table 4 Mitigation and Adaptation Strategies by Category

Energy

Land Use Code
Add <i>Energy Efficiency & Conservation</i> as a Planned Unit Development (PUD) public benefit. For example this would encourage net-zero development, geothermal heating and cooling systems, onsite solar, or off-site energy mitigation above the existing GBC requirements, in exchange for dimensional variations allowed pursuant to a PUD. (ECR)
Allow the town government discretion to require large scale developments to provide additional information like GHG emissions analysis based upon modeled energy use and require incorporation of energy and water conservation measures into the development project plans to be reviewed and approved by the Planning and Zoning Commission prior to final development approval. (ECR)
Green Building Code
Expand the existing requirement that 100% of a home’s electrical use must be provided for with renewable energy, either produced on-site or purchased through a Green Power production program (Town of Telluride, 2010), to include energy offset requirements for conditioned space within accessory, secondary, commercial structures and large scale additions. (OM)

Scale the existing GBC regulation so that 100% of a home’s energy usage be offset with renewable energy to be more reflective of offsetting the actual use of the energy based upon different building types such as commercial use, accessory use or additions to existing development, based upon an average energy use per square footage analysis for building type. (OM)
Decrease the HERS ¹ Index per home size category by 10, and require the square footage threshold to include calculation of conditioned basement space for additions and new construction. Decrease HERS index requirement from 80 to “70 or less” for residential buildings up to 2500 square feet. Decrease HERS index requirement from 70 to “60 or less” for residential building 2500 square feet or greater. (ECR)
Verify existing energy requirements and keep the requirement that is more restrictive between the GBC and any future energy code amendment.
Continue to enforce the existing GCB and Telluride Energy Mitigation Program (“TEMP”) requirements specific to: low flow fixtures, hot water and boiler efficiency standards for new and replacement systems, U (window) and R (insulation) values, HERS requirements, lighting, timers and sensors, and renewable energy requirements. Policy implementation: owner contractor checklist provided at issuance of a building permit stating GBC requirements and acknowledgement. (ECR)
Verify interior lighting wattage and system energy usage so that interior lighting energy usage not exceed a threshold per square footage of construction. (ECR)
Discourage and minimize exterior heating of construction sites during the cold months. (ECR)
Requirements for Existing (older) Structures
Require an energy audit (from a licensed provider) and require installation of energy and water conservation devices and materials prior to transfer of title or sale on single family homes, multi-family homes, condominiums, hotel-condominiums and hotels. A Certificate of Compliance must be provided to the buyer prior to title transfer (City and County of San Francisco, 2009). Certain exemptions could apply for homes built after the Green Building Code adoption. (ECR)
Other Considerations
Regional continued supporting of SMPA’s program to reimburse for residential energy audits and other programs aimed at reducing existing energy consumption as well as encouraging renewable energy alternatives. (ECR)
Consider an additional in town site for an additional 100 kW solar array. (DEG)
Encourage onsite photo-voltaic systems to reduce onsite energy usage. (DEG)

¹HERS is the Home Energy Rating System (HERS) Index and is the industry standard by which a home's energy efficiency is measured. It's also the nationally recognized system for inspecting and calculating a home's energy performance (RESNET, 2014)

Transportation

Consider a community electric charging station or other alternative energy support of vehicles, and transportation less reliant on fossil fuels. (ECR)
Continue to support the community transportation system, the Galloping Goose, and encourage small van pool commuter systems. (ECR)
Continue reinforcing pedestrian and bike friendly circulation and planning efforts. (ECR)
Prioritize building affordable housing units within the Town of Telluride in order to reduce fossil fuel consumption associated with commuter miles. (ECR)
Encourage employers with more than 15 employees to provide local affordable housing opportunities for their employees. (ECR)
Encourage affordable housing mitigation units be constructed onsite, off-site or concurrent with large scale commercial and mixed use development. (ECR)

Food

<p>Consider a “Cap and Spade” Program (Greenaway, 2012). It is similar to a carbon tax in that excess energy usage (to be determined what “excess” means) would require a tax with the funding allocated to support the production and distribution of local food. For example the funds could be used to guarantee a percentage of local food production and distribution through an existing and established regional CSA, farm or community garden. The funds could also facilitate building soil, plant cover crops, manage grazing practices to sequester carbon, or deed restrict property to farming and agricultural use. The funds that support the Production of additional produce, goods or services would be recirculated in the local community like at the farmer’s market, pocket park market sales or purchased by the local grocery stores for resale. These efforts reduce the transportation costs for goods and services by supporting systems to grow and raise local regional food, provide more nutrition in food and support the local workforce and economy. OM</p> <p>Better quantify existing regional food production within a defined region, including farmer’s market and pocket park sales within the Town of Telluride also include CSA purchases to help determine a goal to increase local food production and food security. (ECR)</p>

Refuse and Recycling (aka waste)

<p>Prioritize a composting program which could divert up to 50% of waste otherwise transported to the local landfill. The City of Boulder pilot program diverted 55% to 69% of residential refuse (Yepsen, 2009). It could require mandatory residential curbside organic collection and be limited to fruits, vegetables, food-soiled paper and compostable products to reduce bear attractant materials (like meat or poultry). It could include alternate pick up every other week with recyclables. Diverting refuse by reuse reduces transportation miles to landfills and promotes better waste efficiencies by reusing valuable compostable materials. (ECR)</p>

Require Municipal refuse and recycling contracts to provide more accurate reporting on recyclables and refuse, integrate compost bins and fees into the pricing and service structure. Consider beginning a pilot program with the efforts focused on diversion and collection rather than onsite individual composting efforts. (ECR)
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Commercial refuse and recycling in the Town of Telluride still requires more attention. (ECR)

Encourage a transfer facility to accommodate construction refuse, sorting and reuse as feasible. (ECR)
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Conclusion

Based upon the current data, the Town of Telluride community will exceed the 20% reduction goal by 2020 by adhering to its current reduction commitments. The majority of successful carbon reduction efforts are due to the town government's strategies that have grown more sophisticated over time and now include large scale projects that are achieving significant energy offsets and carbon reductions. The town government's green building program has successfully reduced energy consumption on the front end and entirely mitigated some energy uses which would otherwise show energy data increases to a much greater extent. This community CAP focuses on conservation and reduction efforts aimed at securing local energy, transportation, and food security. The town government can continue to participate in a leading role by modifying existing municipal code regulations, better enforcing its existing regulations, and adopting improved GBC regulations. Larger community objectives also focus on a continued commitment to building affordable housing and providing local/regional transportation. This report recommends that the town government and community maintain many of the existing GHG reduction strategies in place, including offset measures like REC purchases and onsite energy generation created by additional in-town solar arrays and micro-hydro opportunities. Similarly community efforts such as the ongoing preservation of the existing 1026 acres of undeveloped land for the purposes of carbon sequestration, SMPA solar farm purchases and Green Block purchases all contribute to GHG reduction efforts.



Mountain Village Green Team

4th Quarter Report

Accomplishments:

1. 2020 Preparation

The majority of the 4th quarter has been spent preparing for 2020.

The proposed budget was revised per Council's request with a 17% reduction. . The work plan reflects this change with a concentration on greenhouse gas reporting, a focus group for individual composting units, a communication plan for the voluntary single-use plastics reduction initiative, and the community clean up day. Limited funds may cap the success of these programs and outreach.

The work plan was tweaked to meet new state requirements as well as to accomplish local goals.

We are currently in the process of finalizing selections for an outside vendor to manage our Greenhouse Gas emissions. We are hoping the vendor can improve education and communication with staff as well as to the community.

2. Appointment of new members

In October, Mike Follon from Boot Doctors was appointed to the team. Mike had been serving as an active volunteer since last year. His experience and enthusiasm are a welcome addition (officially).

The team also approved amending bylaws and adding Inga Johansson as one alternate member.

3. Elimination of Single-Use Plastics

Cooperation has been broken out into a two-phase outreach strategy. Part one is the development of a basic toolkit for participants and gathering inventory data to use as a benchmark. Toolkits will include a list of distributors that offer reusable and compostable replacements, an easy-to-understand brochure of the resolution's expectations and goals, and a survey to collect inventory data. Part two will be a certification process, and collateral to display to educate employees and patrons. The hope is to make this a regional effort and collaborate with the Town of Telluride. Language on all collateral will be general and applicable for a regional effort.

4. Compost

A pilot program will commence in 2020 for individual composting. A select number of individual composting units by [Biocompet](#) and a small scale will be subsidized. Participants will need to submit an application and attend a composting training provided by the Green Team. Diverted waste will be weighed and reported monthly to the Green Team.

5. Meadows Beaver Activity

There was significant activity that was impacting property owners in late fall. Much of this is coming from destruction of dams in the area. We will continue to reach out to TSG and the Town to create a management plan for the area.



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?
- Should a multi year plan be developed?
- Should there be multiple cleanups per year? I think one is plenty

2. Composting Program

Budget Item / Allocation: Compost Rebate Program / \$25,000

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 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 issues			
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:??

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

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			
March - 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.
- 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