

<p align="center"><b>TOWN OF MOUNTAIN VILLAGE GREEN TEAM COMMITTEE MEETING WEDNESDAY, JANUARY 25, 2023, 10:00AM TO BE HELD AS A HYBRID MEETING TOWN HALL, COUNCIL CHAMBERS</b></p>					
Item	Time	Min	Presenter	Type	
1.	10:00		Wisor		Call to Order
2.	10:00	5	Wisor	Discussion	Introduction to new Economic Development & Sustainability Director
3.	10:05	5	Kirn	Discussion	2023 Meeting Dates and Times
4.	10:10	15	Kirn	Informational	Quarter 4, 2022 Environmental Efficiencies Staff Report
5.	10:25	10	Kirn	Informational	Solid Waste Diversion Update
6.	10:35	10	Kirn	Informational	Building Energy Incentive Pilot Program Update
4.	10:45	5	Kirn	Informational	Dark Sky Update
6.	10:50	10	Wisor	Informational	Other Business
7.	11:00		Wisor		Adjourn

Join Zoom Meeting

<https://us02web.zoom.us/j/82281048927?pwd=N0VMV1pBYlpuNENuZVg0Yjk0MjNvdz09>

Meeting ID: 822 8104 8927

Passcode: 543501

One tap mobile

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Dial by your location

+1 719 359 4580 US

+1 669 444 9171 US

+1 669 900 9128 US (San Jose)

+1 253 205 0468 US

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 301 715 8592 US (Washington DC)

+1 305 224 1968 US

+1 309 205 3325 US

+1 312 626 6799 US (Chicago)

+1 360 209 5623 US

+1 386 347 5053 US

+1 507 473 4847 US

+1 564 217 2000 US

+1 646 558 8656 US (New York)

+1 646 931 3860 US

+1 689 278 1000 US



**Town of Mountain Village**  
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TO: Green Team

FROM: Lauren Kirn, Environmental Efficiencies and Grant Coordinator  
J.D. Wise, Director of Economic Development & Sustainability

DATE: January 24, 2023

RE: 2023 Meeting Dates and Times

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### **Summary**

The Town of Mountain Village is proposing dates for the 2023 quarterly Green Team meetings. The Town is seeking input from Green Team members on their availability for these dates.

### **Proposed Dates**

The quarterly meetings are proposed to be held on the first Wednesday of the applicable month at 2pm Mountain. The proposed dates for quarterly Green Team meetings in 2023 are as follows:

- Q1: March 1 at 2pm
- Q2: June 7 at 2pm
- Q3: September 6 at 2pm
- Q4: December 6 at 2pm



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**TO:** Green Team  
**DATE:** January 24, 2023  
**FROM:** Lauren Kirn, Environmental Efficiencies and Grant Coordinator  
J.D. Wise, Economic Development & Sustainability Director  
**RE:** Q4 Environmental Efficiencies Quarterly Report

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## SUMMARY

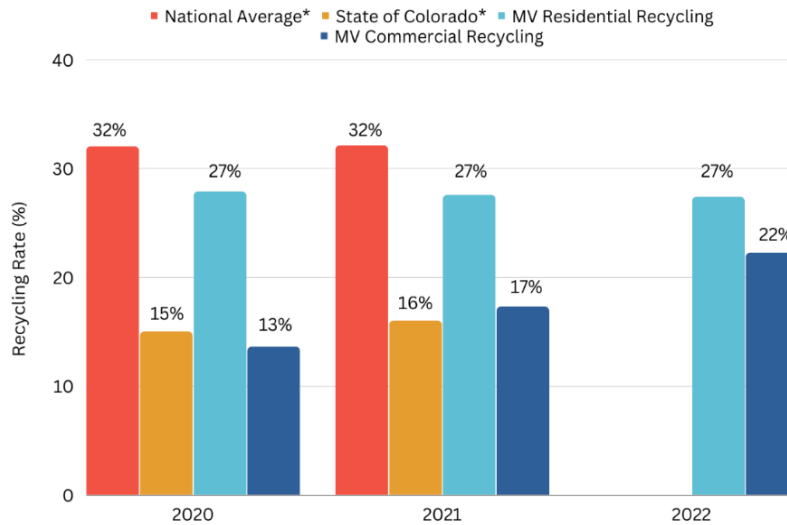
The report for the Environmental Department summarizes how key performance measures were accomplished in Quarter 4 as of December 31, 2022 and provides a summary of department highlights for the year-to-date and department focuses 2023.

## SECTION II: ENVIRONMENTAL EFFICIENCIES OVERVIEW

1. Environmental policy and regional collaboration
  - a. The Town joined **Recycle Colorado** as a Municipal Bronze Member and the **Colorado Composting Council** as a Municipal Member.
  - b. Staff attended the Mountain Towns 2030 Climate Solutions Summit, Mountain and Resort Town Planners Summit, and Colorado Association of Transit Agencies (CASTA) Conference.
2. Zero waste by 2030
  - a. Recycling
    - i. The Town of Mountain Village was named in the *2022 State of Recycling and Composting in Colorado* as **Greater Colorado's Leader for Best Residential Recycler of 2021** with a **27% recycling rate**, tied with the Town of Telluride.
    - ii. Residential and commercial recycling rates in Mountain Village surpassed the 2021 Colorado combined recycling and composting rate of **16%**. Mountain Village's **residential recycling rate** was approximately **27%** for 2022. This is comparable to 2021. **Commercial recycling** was approximately **22%** for 2022. This is a **5% increase** from 2021. The Town's residents have avoided **690.05 metric tons CO<sub>2</sub>e** and commercial properties have avoided **1,132.35 metric tons CO<sub>2</sub>e** in 2022. It is **equivalent to taking 387 vehicles off the road**.
    - iii. The Town began recording metrics for **plastic film recycling** mid-March 2022. The Mountain Village community recycled **112 pounds** in 2022.



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\*National average and state rates include recycling and composting. These are not yet available for 2022.

Figure 2. Mountain Village's residential and commercial recycling rates compared to the National Average and State of Colorado's combined recycling and composting rate.

- b. Composting
  - i. The community diverted **1,211.39 pounds** of food and yard waste through the **VCA Composting Pilot Program** and the **At-Home Compost Program** in 2022. The Town **exceeded** its 2021 organic waste diversion.
  - ii. A **free composting event** was held from November 1 through November 18 in partnership with the Town of Telluride. A total of **1.7 tons of organic waste** was diverted from the landfill and **2.56 metric tons of CO2 equivalent** in greenhouse gas emissions was avoided. This is equivalent to **removing** one car from the roads, **conserving** 288 gallons of gasoline, or **conserving** 107 cylinders of propane.
  - iii. Staff is in discussions with Bruin Waste Management for a **potential 2023 commercial compost collection program**. The Town supported Bruin Waste in its recent **grant application** to purchase compost trucks and associated equipment.
- c. Single-Use Plastic Reduction Ordinance
  - i. The **Mountain Village Single-Use Plastics Ordinance** passed in June 2022 and went into effect on **January 1, 2023**. The ordinance bans single-use plastic **carryout bags** at point-of-sale and **expanded polystyrene products** for ready-to-eat food at all retailers and establishes a **\$0.20 bag tax**. The ordinance allows for exemptions in alignment with State legislation.
3. Carbon neutral by 2050, using 2010 as a benchmark.
  - a. Alternative energy
    - i. The 2022 Solar Co-Op had **14 Mountain Village members** and **4 signed contracts: 3** deed-restricted homes and **1** free market home. This equates to a total of **20.19kW** of solar capacity under contract to be installed. This is a **28.5%** close rate. A total of



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**\$17,500** in incentive funds are being awarded. Resulting carbon offset over 25 years of 428.3241 metric tons, or 944,293 pounds, which is comparable to taking approximately 3.7 cars off the road one year, every year, for 25 years. It is a projected **energy cost savings of \$133,273** over 25 years.

- b. Electric vehicle (EV) charging stations
  - i. The Town has **11 EV charging stations** available for public use; two more than 2021. The ChargePoint stations have avoided **20,585kg** of greenhouse gas emissions to date, an increase of **6,187kg** of GHG emissions from 2021.
  - ii. The Town now charges for electricity at EV charging stations. The cost is **\$0.20/kWh**. Since charging went into effect in June 2022, the Town has generated **\$2,040 in revenue** through EV charging at the three ChargePoint stations.

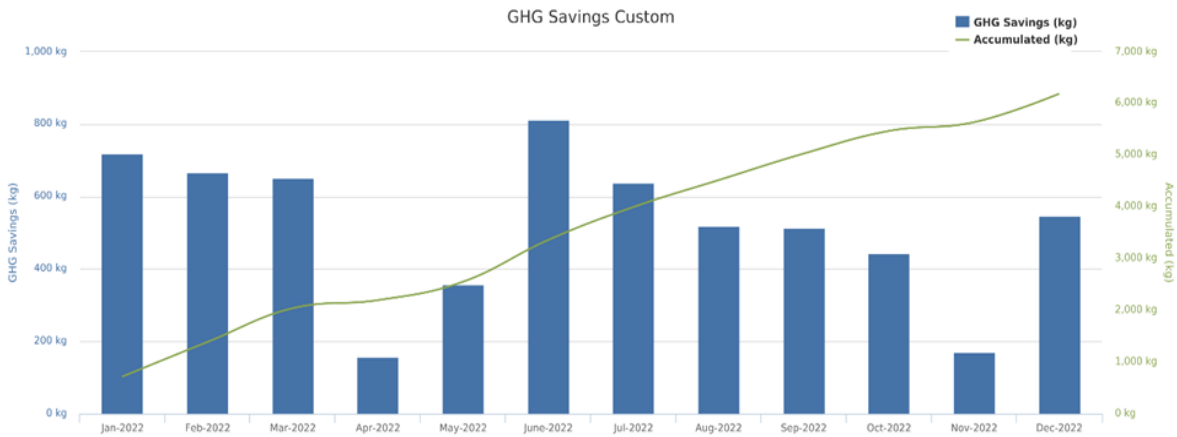


Figure 3.1 Greenhouse gas emissions savings per month from ChargePoint electric vehicle charging stations in 2022.

- 4. Water conservation and water loss prevention
  - a. The Town was awarded **Colorado Water Conservation Board’s Engagement & Innovation Grant** for the Smart Irrigation Controls Incentive Program and for irrigation assessments. Town staff processed **13 participants** and distributed approximately **\$4,500 in rebates** and **7 smart irrigation controllers** in 2022.

**LOOKING INTO 2023**

With the Town’s climate action goals in place, Town staff will be issuing an RFP for a Mountain Village Greenhouse Gas Emissions Reduction Roadmap. This roadmap will build off the Town’s CAP and provide a benefit-cost analysis and implementation timeline for recommended actions, policies, and programs. Town staff will continue to work with businesses to ensure understanding of and compliance with the Single-Use Plastic Reduction Ordinance. Additionally, staff will be launching the 2023 Building Energy Incentive Pilot Program with support from TMVOA. The program will target energy loss and greenhouse gas emissions from existing buildings. Town staff is working cross-departmentally to improve environmental education and outreach.



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**TO:** Green Team

**DATE:** January 24, 2023

**FROM:** Lauren Kirn, Environmental Efficiencies and Grant Coordinator  
J.D. Wise, Economic Development & Sustainability Director

**RE:** Building Energy Incentive Program Update

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## **SUMMARY**

The Town of Mountain Village's budget was approved to include \$50,000 in funding for the 2023 Building Energy Incentive Pilot Program. Telluride Mountain Village Owner's Association has approved of a match of \$25,000 for the pilot program. This program replaces the Solar Energy Incentive Program for 2023.

## **PROGRAM STRUCTURE**

The intent of the program is to improve the building envelope, operational systems, and appliances to reduce energy loss, improve operational efficiencies, and improve the health and safety of its occupants. The Building Energy Incentive Pilot Program will be structured as a rebate program with a prerequisite energy assessment. To qualify for a rebate, at least one recommended upgrade from the assessment's results must be implemented. Residents may qualify for a rebate up to \$3,000 per year and commercial and multifamily properties may qualify for a rebate up to \$5,000 per year. The rebate will not exceed 60% of the total project cost with utility rebates included. Participants may qualify for an additional \$500 by attending an educational session about building codes, energy efficiency, and maintenance. The rebates will be distributed on a first-come-first-serve basis. Energy assessments will be required to be submitted along with the rebate application so that the Town can track inefficiencies and understand buildings' needs.

The Town will be offering this program in alternating years of the Solar Energy Incentive Program. For example, the Building Energy Incentive Program will be offered in 2023, 2025, 2027, and so on. The Solar Energy Incentive Program will be offered in 2024, 2026, 2028, and so on. The combination of these two programs will have a greater impact on the Town's greenhouse gas reduction progress than any program by itself. It will also enhance the ROI of Solar Energy and produce cost-savings for energy use in general.

## **TIMELINE**

The Town of Mountain Village is working cross-departmentally to roll out this pilot program in March.