

Last Updated: May 2021

Colorado Water Conservation Board
Water Plan Grant – Statement of Work – Exhibit A

Statement Of Work	
Date:	December 1, 2021
Name of Grantee:	Town of Mountain Village
Name of Water Project:	Community Engagement & Education: Smart Irrigation Controls and Irrigation System Assessments
Funding Source:	Engagement & Innovation Grant
Water Project Overview:	
<p>The Town of Mountain Village serves as the water utility company for Mountain Village, Colorado. community. The Town serves about 1,434 full-time residents, but as a resort community, the visitor population fluctuates seasonally and can be up to 20,000 on any given day. Water conservation, particularly related to irrigation, is a priority for the Town. In 2016, we established a Smart Irrigation Controls Incentive Program that provides rebates to residents for purchasing and installing smart irrigation controls. Participation in the program has decreased significantly in the last two years. As water resources become scarcer and mountain towns’ populations are expected to increase, the Town is working to expand its outreach and education efforts to engage the community and implement water conservation measures. The Town of Mountain Village is requesting funding to support a community engagement and education campaign about water conservation related to irrigation for residents. The engagement and education campaign development and implementation will span from January 2022 through September 2022. Additionally, the Town is requesting funding to expand our existing Smart Irrigation Controls Incentive Program and develop a pilot incentive program for free irrigation system assessments for residents. The overall project goal is to educate our community on water conservation and water loss prevention and engage them in water conservation practices through the rebate programs. The pilot incentive program for free irrigation system assessments will be a one-on-one engagement used to educate residents about their existing irrigation systems, identify any inefficiencies, and provide options for resolving these inefficiencies. The CWCB funds will be used for the implementation of the education and engagement campaign (social media promotion, advertising, mailers), for rebates to residents for purchasing and installing smart irrigation controls, and for rebates for irrigation system assessments. Both the smart irrigation controls incentive and the irrigation systems assessments will be structured to be available to residents until all funds are exhausted. Mountain Village will work with local landscaping and irrigation companies to develop an irrigation assessment checklist for the system reviews and resident survey whereby the Town will receive feedback on the program.</p>	
Project Objectives:	

Last Updated: May 2021

The objectives of the project are to increase awareness and implementation of water conservation measures across the Mountain Village community and reduce water use and water loss through inefficient, water-saving technologies and upgrade infrastructure. As part of this, The Town of Mountain Village's objective is to continue expanding the Smart Irrigation Controls Incentive Program through engaging more residents and to establish the free irrigation assessment program as a potential continual program as an opportunity for residents to become educated on their irrigation systems and engage with water conservation measures.

Tasks
Task 1 – Development of Engagement and Educational Materials and Irrigation Assessment
Description of Task:
<p>Task 1 will serve as the development of materials for the engagement and educational materials and the creation of the irrigation assessment and resident survey. The irrigation assessment will be developed in collaboration with the Town's Water Conservation Advisory Board, the Public Works Department, the Sustainability Department, and local landscaping and irrigation companies. The survey will be provided to residents after their irrigation system assessment to get their feedback on the pilot program and on the recommended solutions to resolving their irrigation inefficiencies, if any. The Town would like to understand the types of inefficiencies for irrigation systems within the community and barriers to residents making necessary upgrades so that future education and engagement campaigns and programs can be targeted to the local community.</p>
Method/Procedure:
<p>Task 1 will involve an initial focus group discussion among the Town's Water Conservation Advisory Board, the Public Works Department, the Sustainability Department, and local landscaping and irrigation companies. Through this discussion, Town staff will research and utilize available educational and engagement resources on water conservation to develop community-specific content. This will include social media posts, blog posts, newsletter content, newspaper advertisements, and flyers to send to residents in the mail. The drafts of these materials will be reviewed internally and by the project's partners.</p>
Deliverable:

Last Updated: May 2021

Content for social media posts, newspaper advertisements, newspaper articles, newsletters, blog posts, and mailers sent through USPS.

Tasks
Task 2 – Engagement and Educational Campaign for Water Conservation, Smart Irrigation Controls, and Irrigation Assessments
Description of Task:
<p>Task 2 involves the distribution of the education and engagement materials to the public. In working with the Communications Department, staff will schedule emails, social media posts, and newspaper advertisements, as well as newsletters and blog posts. Emails and social media posts will be scheduled weekly and newspaper advertisements will be scheduled monthly. The Town will send one mailer out to residents in the form of an informational flyer that is sent through USPS. Staff time includes scheduling these items and the time to put on postage and deliver the mailers to USPS. Additionally, staff will connect with Telluride Daily Planet to publish articles about water conservation, the Smart Irrigation Controls Incentive Program, and the pilot program for free irrigation assessments.</p>
Method/Procedure:
<p>The method and procedure for scheduling the electronic items will be through the Town’s accounts on Facebook, Instagram, Campaign Monitor, and the Town’s website. For the newspaper advertisements and the Telluride Daily Planet articles, the Town’s Public Information Officer and Environmental Efficiencies and Grant Coordinator will contact Telluride Daily Planet directly to work on these items. The mailers will be completed by Town staff, including the printing, postage, and mailing. These methods will be monitored throughout the year to ensure effective and timely distribution.</p>

Last Updated: May 2021

Deliverable:
Social media posts, newspaper advertisements, newspaper articles, newsletters, blog posts, and mailers sent through USPS sent out and scheduled through associated platforms.

Task 3 – Issue Rebates for Smart Irrigation Controls
Description of Task:
The Town will collect and process submitted smart irrigation controls rebate forms through the Public Works Department. These will be filed into the Town’s database to develop a comprehensive review of the number of residential properties with Mountain Village that have upgraded to smart irrigation controls. This information will be used to determine the effectiveness of the smart irrigation controls in terms of water use savings and cost savings per year.
Method/Procedure:
The resident or landscaping company on behalf of the resident will submit a rebate form to the Town, which will then be reviewed and submitted to the Finance Department upon approval. The Finance Department will issue the rebate to the resident in the form of a check. The Public Works Department, in collaboration with the Sustainability Department, will input the resident’s property into a database where water savings and associated cost savings can be calculated year over year. This will help inform the Town and residents about the effectiveness of the controls and their water use reduction. This in turn will help inform the existing incentive program and future educational or engagement campaigns, as well as potential Town policies and strategies.
Deliverable:

Last Updated: May 2021

Tracking log with number of participants in the Smart Controls Incentive Program and the amount of the rebate given to each resident. The Town will also review historical data to assess potential cost and water savings based on the participants.

Task 4 – Issue Rebates for Irrigation System Assessments

Description of Task:

The Town will collect and process submitted irrigation system assessment rebate forms through the Public Works Department. These will be filed into the Town’s database to develop a comprehensive review of the number of residential properties with Mountain Village that have had assessments performed. The Town will also develop of list of inefficiencies discovered in the assessment, solutions presented, and whether the resident scheduled to have the inefficiencies resolved. After the rebate is issued, the Town will send surveys to the participants requesting feedback on the process and solution presented to them, as well as requesting recommendations for improvement and next steps for them (e.g., whether the resident will proceed with irrigation system upgrades – why or why not). This information will be used to determine the inefficiencies in irrigation systems within the community, its impact on water use and water loss, solutions to these inefficiencies, and an understanding of barriers or perceived benefits by the resident to resolving any inefficiencies. This information will be used to inform future Town programs, incentives, policies, and strategies.

Method/Procedure:

The resident or landscaping company on behalf of the resident will submit a rebate form to the Town, which will then be reviewed and submitted to the Finance Department upon approval. The Finance Department will issue the rebate to the resident in the form of a check. The Public Works Department, in collaboration with the Sustainability Department, will input the resident’s property into a database where irrigation assessment results and survey feedback will be documented. This will help inform the Town on how to better target the educational and engagement campaign, and whether to focus future potential incentive programs.

Deliverable:



Last Updated: May 2021

Tracking log with number of participants in the pilot Irrigation System Assessment Incentive Program and the amount of the rebate given to each resident. The Town will also work to understand inefficiencies in irrigation systems within the community, the impact of these on water use and water loss, and the residents' perceived benefits and barriers to fixing these irrigation issues.

Task 5 – Report and Conclusions

Description of Task:

Town staff will review and report to CWCB on the Smart Controls Incentive Program and pilot Irrigation System Assessment Incentive Program participant and rebate tracking logs, metrics from social media (likes, click rate, reactions, views, comments, shares), resident survey responses, and provide a summary of the findings. Additionally, Town staff will report on the implementation of in-kind funds through tracking staff time and activities. The effectiveness of the education and engagement campaign will be measured by the social media metrics, but more importantly by the number of participants in each of the two incentive programs.

Method/Procedure:

Town staff will review the participant and rebate tracking logs for the Smart Controls Incentive Program and pilot Irrigation System Assessment Incentive Program, metrics from social media (likes, click rate, reactions, views, comments, shares), and resident survey responses and response rate. If any discrepancies are found, staff will reach out to the applicable party to make any necessary adjustments. Additionally, Town staff will report on the implementation of in-kind funds through tracking staff time and activities on timesheets. Staff will evaluate the budget and cost tracking to ensure all commitments have been fulfilled and all reimbursements have been submitted. The report will include the schedule and milestones for 2022 and a plan for the incentive programs and community engagement and education in 2023 based on the findings from 2022. The report will be compiled by the Environmental Efficiencies and Grant Coordinator in collaboration with the Public Works Department, and reviewed by the Public Works, Sustainability, Public Works, and Economic Development Departments for quality control.

Deliverable:

Last Updated: May 2021

Final report on the Town of Mountain Village letterhead detailing the required items, per the “Reporting Requirement” section:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to as part of the project documentation.

Performance Measures



Last Updated: May 2021

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit C. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit C Budget and Schedule

Prepared Date: 11/30/2021

Name of Applicant: Town of Mountain Village

Name of Water Project: Community Engagement & Education: Smart Irrigation Controls and Irrigation System Assessments

Project Start Date: 01/01/2021

Project End Date:

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Development of Engagement and Educational Materials and Irrigation Assessment	1/1/22	2/28/22	\$0	\$2,000	\$2,000
2	Engagement and Educational Campaign for Water Conservation, Smart Irrigation Controls, and Irrigation Assessments	03/01/2022	09/30/2022	\$5,400	\$1,850	\$7,250
3	Issue rebates for Smart Irrigation Controls	01/01/2022	12/31/2022	\$5,000	\$5,550	\$10,550
4	Issue rebates for Irrigation Assessments	05/01/2022	12/31/2022	\$7,500	\$2,500	\$10,000
5	Report and Conclusions	11/30/2022	01/31/2023		\$620	\$620
6						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$17,900	\$12,520	\$30,420

Colorado Water Conservation Board
Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Prepared Date: 11/30/2021

Name of Applicant: Town of Mountain Village

Name of Water Project: Community Engagement & Education: Water Conservation, Smart Irrigation Controls and Irrigation System Assessments

Project Coordination and Implementation

Task 1 - Development of Engagement and Educational Materials and Irrigation Assessment

Sub-task	Item	Hourly Rate	# Hours	Sub-total	Item Cost	Item Quantity	Sub-total	Total	CWCB Funds	Matching Funds
Focus Groups	Participant Stipend			\$ -	\$ -	0.00	\$ -	\$ -	\$ -	\$ -
	Catering			\$ -	\$ -	0.00	\$ -	\$ -	\$ -	\$ -
	Feedback Survey			\$ -	\$ -	0.00	\$ -	\$ -	\$ -	\$ -
	Staff Time (3 staff members)	\$ 35.00	22	\$ 770.00				\$ 770.00	\$ -	\$ 770.00
Develop Materials	Staff Time: Engagement Materials	\$ 35.00	15	\$ 525.00			\$ -	\$ 525.00	\$ -	\$ 525.00
	Staff Time: Educational Materials	\$ 35.00	15	\$ 525.00			\$ -	\$ 525.00	\$ -	\$ 525.00
	Staff Time Administrative	\$ 35.00	5	\$ 180.00			\$ -	\$ 180.00	\$ -	\$ 180.00
				\$ -			\$ -	\$ -	\$ -	\$ -
TOTAL								\$ 2,000.00	\$ -	\$ 2,000.00
OVERALL TOTAL								\$ 2,000.00		

Task 2 - Engagement & Educational Campaign for Water Conservation, Smart Irrigation Controls, & Irrigation Assessments

Sub-task	Item	Weekly Rate	# Weeks	Sub-total	Item Cost	Item Quantity	Sub-total	Total	CWCB Funds	Matching Funds
Advertising	Social Media	\$ 25.00	36	\$ 900.00	\$ -	0.00	\$ -	\$ 900.00	\$ 900.00	\$ -
	Newspaper	\$ 500.00	7	\$ 3,500.00	\$ -	0.00	\$ -	\$ 3,500.00	\$ 3,500.00	\$ -
	Mailers (sent once)	\$ 1,000.00	1	\$ 1,000.00	\$ -	0.00	\$ -	\$ 1,000.00	\$ 1,000.00	\$ -
	Staff Time (2 staff members)	\$ 160.87	11	\$ 1,850.00				\$ 1,850.00	\$ -	\$ 1,850.00
TOTAL								\$ 7,250.00	\$ 5,400.00	\$ 1,850.00
OVERALL TOTAL								\$ 7,250.00		

Task 3 - Issue Rebates for Smart Irrigation Controls

Sub-task	Item	Rebate Amount	Number of Anticipated	Sub-total	Item Cost	Item Quantity	Sub-total	Total	CWCB Funds	Matching Funds
Rebates	Smart Irrigation Control Rebates	\$ 500.00	20	\$ 10,000.00	\$ -	0.00	\$ -	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00
Staff Time	Rebate Processing									
		Hourly Rate	# of Hours	Sub-total						
		\$ 35.00	16	\$ 550.00	\$ -	0.00	\$ -	\$ 550.00	\$ -	\$ 550.00
TOTAL								\$ 10,550.00	\$ 5,000.00	\$ 5,550.00
OVERALL TOTAL								\$ 10,550.00		

Task 4 - Issue Rebates for Irrigation Systems Assessments

Sub-task	Item	Anticipated Rebate Amount	Number of Anticipated Rebates	Sub-total	Item Cost	Item Quantity	Sub-total	Total	CWCB Funds	Matching Funds
Rebates	Irrigation Systems Assessments	\$ 200.00	37.5	\$ 7,500.00	\$ -	0.00	\$ -	\$ 7,500.00	\$ 7,500.00	\$ -
Staff Time	Rebate Processing									
		Hourly Rate	# of Hours	Sub-total						
		\$ 35.00	45	\$ 1,575.00	\$ -	0.00	\$ -	\$ 1,575.00	\$ -	\$ 1,575.00
	Database Development	\$ 35.00	26	\$ 925.00				\$ 925.00	\$ -	\$ 925.00
TOTAL								\$ 10,000.00	\$ 7,500.00	\$ 2,500.00
OVERALL TOTAL								\$ 10,000.00		

Task 5 - Reports and Conclusions

Sub-task	Item	Anticipated Rebate Amount	Number of Anticipated Rebates	Sub-total	Item Cost	Item Quantity	Sub-total	Total	CWCB Funds	Matching Funds
Staff Time	Report Development									
		Hourly Rate	# of Hours	Sub-total						
		\$ 35.00	18	\$ 620.00				\$ 620.00	\$ -	\$ 620.00
TOTAL								\$ 620.00	\$ -	\$ 620.00
OVERALL TOTAL								\$ 620.00		

December 1, 2021

Mr. Ben Wade
Water Conservation Coordinator
Colorado Water Conservation Board (CWCB)

Dear Mr. Wade,

San Juan Landscapes is in strong support of the Town of Mountain Village's application for Colorado Water Conservation Board's Water Plan Engagement Grant. As a landscaping design, installation, and maintenance company, our work directly impacts and is directly impacted by water availability and water use. As a member of the Town's Water Conservation Advisory Board, we understand the need for community engagement and education on water conservation and water loss, particularly regarding irrigation.

The Town's proposed project for community engagement and education and free water irrigation assessments will benefit not only the Mountain Village community, but the region and the state as well. San Juan Landscapes commits to assisting the Town in developing the irrigation assessment, providing technical expertise on water conservation and water loss prevention for the development of educational materials, and promoting the Smart Irrigation Controls Incentive Program and free water irrigation assessments to current, potential, and future clients and the community.

Sincerely,

A handwritten signature in dark ink, appearing to read "Marti Prohaska". The signature is fluid and cursive, with the first name "Marti" and last name "Prohaska" clearly distinguishable.

Marti Prohaska



Smart Irrigation Controls



The premise behind our Smart Irrigation Controls Incentive Program is to help you use only the water you need to achieve the desired results on your property. Globally, water is becoming an increasingly scarce and precious resource, and water use data indicates that [water conservation efforts](#) may be most effective during the summer irrigation season when a drastic increase in water usage occurs for landscaping purposes. Although we absolutely support using enough water to keep your lawns healthy and flowers blooming, we want to encourage the smart use of water that incorporates local weather data to ensure only the necessary amount of water is being used.

This incentive program is open until funds are exhausted, and is for Mountain Village, Ski Ranches and West Meadows residents only.

Technology is helping us reduce waste in efficient ways while conserving resources. In this case [the technology is WaterSense®](#), certified smart irrigation control products that meet the [Environmental Protection Agency's specifications](#) for water efficiency and performance. Replace your outdated irrigation control system with a WaterSense® product which includes weather-sensing capabilities, and we will reward you with a rebate up to \$500. For more information, please contact [JD Wise](#) at [\(970\) 369-8235](#).

How They Work

Smart irrigation controllers use real-time local weather data, including humidity, air temperature, wind speed, soil moisture, solar radiation and rainfall to calculate evapotranspiration rates and automatically adjust irrigation watering accordingly. Technology for such controls is advancing rapidly. There are currently several irrigation controls that carry the EPA WaterSense® label and incorporate local weather data to determine the amount of water needed for different irrigation zones.

Most smart irrigation controllers either connect to the Internet to gather weather data from a nearby weather station or collect real-time weather data from an onsite station on your property. Some of these controllers can be monitored over the Internet and the settings controlled remotely, while others can be linked to other “smart” devices in your home. With a smart irrigation controller, your plants and lawn get the water they need, without being over or under watered.

Install a Smart Irrigation Controller

Select a WaterSense labeled smart irrigation controller. We encourage you to consult with your landscape or irrigation professional to select a WaterSense labeled smart irrigation controller that best suits your irrigation needs.. Additionally, contact [J.D. Wise](#) for a site visit.

1. Purchase and install a [WaterSense® labeled irrigation controller](#) on your Mountain Village property. Please note, this incentive program does not cover the cost of installation.

2. Submit the [Smart Irrigation Controls Incentive Program application](#) so we may issue you a check for the full amount of the controller, up to \$500, and realize a savings year after year.

Related Documents:

Smart Irrigation Controls Incentive Application

[Download PDF](#)

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Town Hall Address:

455 Mountain Village Blvd.
Suite A
Mountain Village, CO 81435
Mon. to Fri. 8 a.m. - 5 p.m.

Municipal Building address:

411 Mountain Village Blvd.
Mountain Village, CO 81435
Mon. to Fri. 8 a.m. - 5 p.m.

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THE TOWN OF MOUNTAIN VILLAGE
455 MOUNTAIN VILLAGE BLVD.
MOUNTAIN VILLAGE, CO 81435

To: Mr. Ben Wade, Water Conservation Coordinator
Colorado Water Conservation Board (CWCB)
Date: December 1, 2021
From: Paul Wisor, Interim Town Manager/Town Attorney - Town of Mountain Village
RE: Letter of Support for the Town of Mountain Village's CWCB Water Plan Grant
Application for Community Engagement

Dear Mr. Wade,

The Town of Mountain Village wishes to express its support for the CWCB's Water Plan Engagement Grant application submitted by the Town's Sustainability and Public Works Departments. The Town commits to \$6,500 to support this engagement and education project for irrigation of residential properties. The Public Works Department commits to \$5,000 for the Smart Irrigation Controls rebates and the Sustainability Department commits to \$1,500 for community education and engagement. In addition to this cash match, the Town commits to an in-kind match of 172 hours at \$35 per hour for a total in-kind match of \$6,020. The Town of Mountain Village commits to a combined cash match and in-kind match total of \$12,520.

The Public Works Department serves as the community's water utility company, providing water to our approximately 1,434 year-round residents and fluctuating visitor population of up to 20,000 per day. Our government understands the multiple local, regional, and state benefits associated with water conservation and education, particularly surrounding land use and irrigation. The importance of water education and conservation in our region cannot be understated.

In 2016, the Town established a Smart Irrigation Controls Incentive Program. This program provides rebates up to \$500 for residents who purchase and install a WaterSense certified smart irrigation controller to monitor the irrigation system(s) on their property. Participation in this program has waned over the past two years, with a collective 8 participants. The program had 14 participants in 2019 alone. The Town believes increased and improved community engagement and education about irrigation paired with free irrigation systems assessments will create measurable reductions in the community's water consumption and water loss. Water conservation and water loss prevention are priorities for our community, and we look forward to supporting the Colorado Water Plan objectives through these efforts.

Thank you for your time and consideration.

Respectfully,

Paul Wisor

Paul Wisor
Interim Town Manager/ Town Attorney
Town of Mountain Village
455 Mountain Village Blvd., Suite A
P: 970-729-2654



Water Conservation



We maintain the domestic water system for in-home use, landscape irrigation and fire protection. It is our goal to serve all the water needs of our customers. While water appears to be abundant in our mountain community, we, in fact, live in a high mountain desert so it is very important that we all make an effort to conserve water.

In anticipation of a dry summer, Town of Mountain Village will begin restricting outside watering effective June 1, 2021. For more details on our water conservation program, please review [the letter](#) from Public Works Director Finn Kjome.

Water Conservation Program Effective June 1, 2021:

- All properties north of Mountain Village Boulevard and Elk Run residents may water their landscaping on Mondays, Wednesdays and Fridays ONLY. Irrigation clocks must be set to run at a level of 70-75% of normal water consumption for the three days a week you are allowed to water. Irrigating hours will be either before 8:00 a.m. or after 7:00 p.m.
- All properties south of Mountain Village Boulevard, plus the Ski Ranches and Skyfield, may water their landscaping on Tuesdays, Thursdays and Saturdays ONLY. Irrigation clocks must be set to run at a level of 70-75% of normal water consumption for the three days a week you are allowed to water. Irrigating hours will be either before 8:00 a.m. or after 7:00 p.m.
- All exterior water features must be turned off during this conservation effort.
- **Due to potential water contamination “cross-connection” occurrences, NO trucked in water will be allowed to be hooked up to existing irrigation systems.**

Water Loss Vs. Water Conservation

Water loss and water conservation are two separate concepts. Water loss is an unintentional consequence that occurs both inside and outside the home when water infrastructure breaks or does not function properly. Examples of unintentional water loss include leaking/running toilets, broken pipes or broken sprinkler systems. When water loss goes undetected, you can incur significant costs for the wasted water. Also, this water requires a substantial amount of energy to be pumped up from deep in the ground, collected, purified and distributed by us.

Prevent Unnecessary Water Loss

1. Install a water leak detection system, such as a FloLogic device that is designed to prevent water loss in the event of an unknown leak. These systems shut off the water to your home if there is water running outside of the times of normal water use settings. For example, you could set the system to run unrestricted for two hours (enough time to do a load of laundry or run the dishwasher), but if water runs for a longer length of time (indicating a leak in the home), the system will detect that water is continuously running and will turn off the water to your home, preventing water loss. This type of system also works well to avoid water loss when residents are out of town for extended periods.
2. Work with your property manager and/or plumber to properly install, program and monitor a home water leak detection system.
3. Install a master valve on your lawn irrigation system. A master valve is a device that operates in conjunction with your lawn irrigation controller and is typically installed upstream of all valves on your irrigation system. The master valve only allows water to flow during your

scheduled irrigation run times, thus protecting against undetected leaks in your irrigation system. For a sprinkler zone to turn on, both the master valve and the individual zone valve must turn on to have water.

4. Work with your landscaping or irrigation professionals to properly install, program and monitor an irrigation master valve.
5. Have your irrigation system checked regularly. An unintended leak in your irrigation system, with a hole as small as 1/16 of an inch, can waste as much as 25,000 gallons of water in a month.
6. Use a cover over your pool or spa to reduce water loss from evaporation by over 90 percent.
7. Fix a running toilet to save between 25,000 and 50,000 gallons of water a month. Place a few drops of food coloring into the tank to see if it disappears without flushing, an indication of a leak.
8. Tighten your faucets. A faucet leaking every three seconds will waste more than 30 gallons of water a month.

Water Conservation

Water conservation measures are voluntary ways you can reduce water use, both inside and outside the home, to protect and preserve precious water resources. Globally, water is becoming an increasingly scarce resource, so please follow these tips.

Laundering Water Conservation Tips

1. Presoak heavily soiled clothes in a solution of water and baking soda instead of adding more detergent or using hotter water.
2. When doing laundry, make sure to wash a full load. This may save up to 1,000 gallons of water each month.
3. Instead of automatically throwing everything you've worn once into the laundry pile, only wash clothes that need it.
4. Save energy with every wash load – select a cold rinse cycle instead of a warm or hot one.

Outdoor Water Conservation Tips

1. To reduce water use in your yard, add mulch to the soil. This helps retain moisture, protects the soil from scorching, and encourages the retention of nutrients.

2. Colorado residents are permitted to collect up to 110 gallons (or two, 55-gallon drums) of rainwater from their rooftops per home. This free and untreated water can be used for outdoor uses only including watering lawns, gardens and landscaping.
3. Water overnight or before dawn to avoid evaporation, and when you do water do so infrequently, deeply and thoroughly.
4. If you want your lawn to stay weed-free, keep the grass long rather than cutting it too short. Taller blades shade the roots, which discourages weed growth. Four inches is the recommended height of grass for optimal water conservation.
5. Use a trigger-style nozzle on your garden hose to help control the amount of water used for watering and car washing.
6. If you have a water feature in your garden, use a solar-powered water pump rather than electricity to keep it running.

Indoor Water Conservation Tips

1. Remember to turn off the faucet while you're brushing your teeth. The water saved during one instance of brushing your teeth is about five gallons.
2. Fill the sink or turn off the faucet while lathering hands to save one-to- two-gallons of water.
3. An efficient, five-minute shower uses less than 10 gallons of water. Taking a shower instead of a bath will save 20-to- 30-gallons of water. If you opt for a bath, make it shallow.
4. When showering, instead of stepping in and out of the water's flow, turn the water off while you wash or shampoo and turn the water back on to rinse.
5. Catch water used to rinse fruits and vegetables and use it to water household plants.
6. Put water in the sink to rinse your razor instead of leaving the water running to save up to 20 gallons of water.
7. Buy a dual-flush toilet.
8. Run dishwashers with full loads only. Running half loads is environmentally damaging, uneconomical and won't save you any additional time.
9. Water will boil more quickly – and therefore more efficiently – if you place a lid on the pot.

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