

# City of Aspen

## Irrigation Efficiency Assessment and Outdoor Rebate Program

WaterSMART Grants: Small-Scale Water Efficiency Projects

Projects for FY 2022

Notice of Funding Opportunity (NOFO): R21AS00300

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CITY OF **ASPEN**

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# 1. TECHNICAL PROPOSAL: EXECUTIVE SUMMARY

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## 1.1 APPLICATION INFORMATION

<b>Submittal Date:</b>	<b>March 17, 2021</b>
<b>Applicant:</b>	City of Aspen, Colorado Rob Gregor, Management Analyst II Water Department 130 Galena Street Aspen, CO 81611 970-429-1993
<b>Applicant Type:</b>	Category A
<b>Grant Funding Requested</b>	\$75,000
<b>Total Project Budget</b>	\$151,400
<b>Project Duration</b>	March 2022 through December 2023 (21 months)
<b>Estimated Project Completion Date</b>	December 31, 2023
<b>Project Location</b>	Project will be located within the Billing/Service Area Boundaries of the City of Aspen Water Department and on parcels served by its potable water distribution system in Aspen, Colorado. Specific parcels and locations for irrigation system efficiency improvements will be determined and tracked through the project's implementation. Project locations will not include Federal facilities.

## 1.2 PROJECT SUMMARY

*The City of Aspen Water Department, located in Pitkin County, Colorado, will add a rebate component to its existing Irrigation Efficiency program to further incentivize irrigation system*

efficiency assessments and customer investment in system improvements. The proposed project will expand the Irrigation Efficiency program by continuing to provide irrigation system assessments to customers free of charge and beginning to offer 50% cost-sharing rebates (of up to \$2,500 per parcel) to customers for making certain types of irrigation system and landscaping improvements. The Irrigation Efficiency program leverages the City's ongoing investment in providing Qualified Water Efficient Landscaping (QWEL) training to local and regional landscaping professionals and is focused on improving existing irrigation systems on already developed properties. The Irrigation Efficiency program is a complement to the City's Ordinance that requires properties undergoing development activities to comply with the City's Water Efficient Landscaping Standards (WELS). Together, the Irrigation Efficiency, QWEL, and WELS programs are designed to help mitigate demand for treated water for outdoor applications and make up a significant portion of the "Conservation" component of the City's Integrated Resource Plan (2021). The expansion of the Irrigation Efficiency program also fulfills certain recommendations identified in the City of Aspen's Municipal Water Efficiency Plan (updated in 2015), the Roaring Fork Regional Water Efficiency Plan (2015), and the Roaring Fork Watershed Plan (2012).

## 2. TECHNICAL PROJECT DESCRIPTION

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### 2.1 PROJECT LOCATION

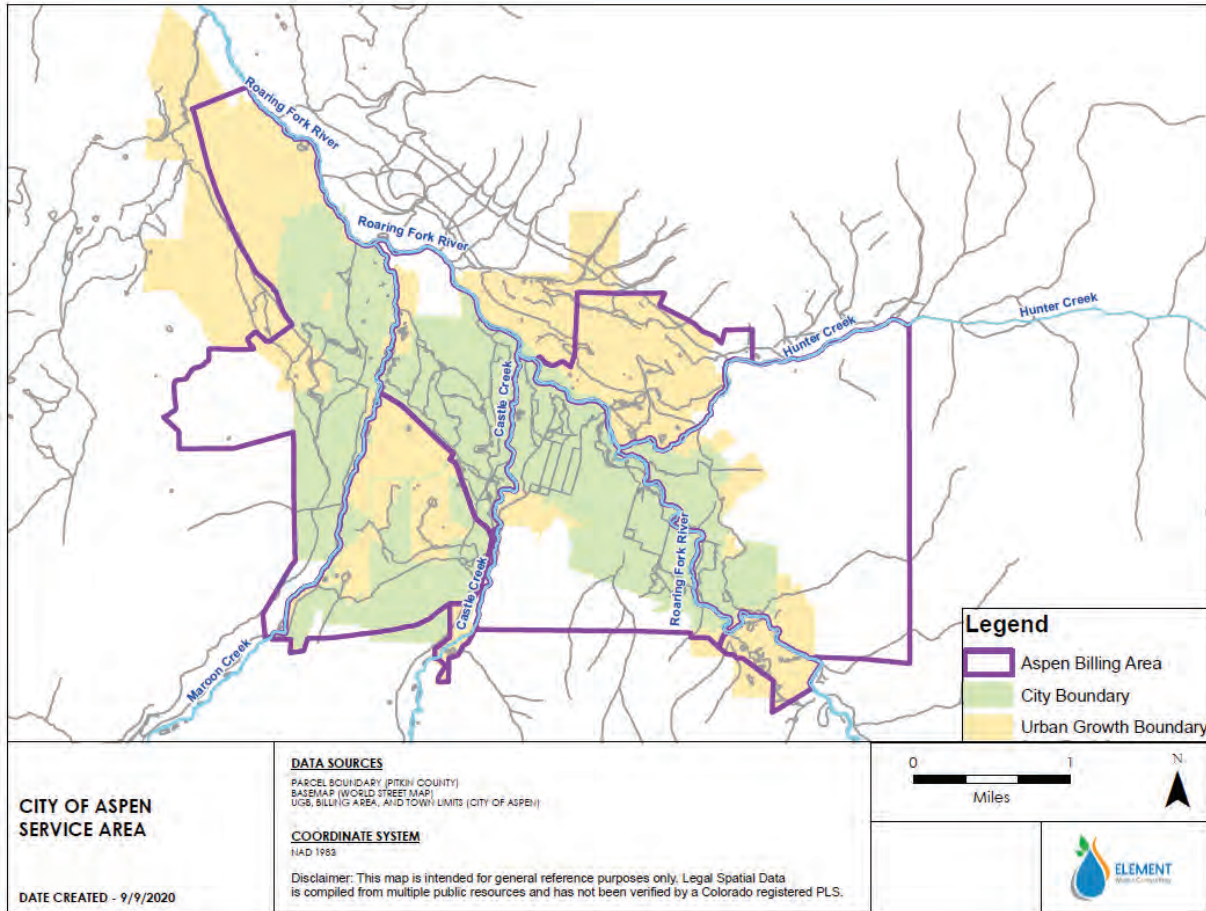
The City of Aspen, Colorado is located at 39.1911 degrees N, 106.8175 degrees W in Pitkin County. Aspen is situated in the upper reaches of the Roaring Fork Valley near the confluences of the main stem of the Roaring Fork River with Hunter Creek, Castle Creek, and Maroon Creek at an elevation of approximately 7,900 feet. The Roaring Fork River is a tributary to the Upper Colorado River, as shown in Figure 1 below.



**Figure 1: City of Aspen General Location Map**

\*Map from U.S. Department of Interior – Bureau of Reclamation

Aspen’s billing and service area is located along Colorado State Highway 82 approximately 20 miles west of Independence Pass. The incorporated area (within the municipal boundary) consists of approximately 3.83 square miles. However, at this time, the total service territory is approximately 8.5 square miles, and includes unincorporated areas served by Aspen.



**Figure 2: City of Aspen Potable Water Distribution System Billing and Service Area Map**

## 2.2 TECHNICAL PROJECT DESCRIPTION

The City of Aspen, Colorado (“Aspen” or “the City”) is a home-rule municipality that owns and operates its water utilities, providing treated (potable) water to all customers in the service area and raw water for hydroelectric production as well as for irrigation and snowmaking purposes to a small subset of customers. The City is an active leader in water conservation and efficiency in the State of Colorado and is committed to sustainable water use practices and programs both locally and regionally. Aspen Water Utility provides service to approximately 4,000 accounts located inside and outside the Aspen Municipal boundary.

The annual water use of individual customer accounts connected to the Aspen’s potable water distribution system was evaluated for each Metered Customer Category by Element Water in 2018. Just over 20% of all residential accounts used more than one acre-foot per year (AF/yr) of



water and about 10% of the accounts used more than 2 AF/yr of water, including two accounts that are among the top 10 overall water users in the City. On average, Aspen's single-family residential accounts use under 0.2 AF/yr indoors, indicating that many of these higher water using customers may be applying 2 AF/yr or more outdoors. Additionally, certain residential areas served by Aspen have comparatively higher levels of outdoor water use, particularly areas outside of City limits (where parcels tend to be larger than within City limits).

To address these high levels of water use identified on residential parcels—and to fulfill certain recommendations identified in Aspen's 2015 Municipal Water Efficiency Plan (2015 WEP), the 2015 Roaring Fork Regional Water Efficiency Plan (Regional WEP), and the 2012 Roaring Fork Watershed Plan (WSP)—the Aspen City Council adopted a pilot Water Efficient Landscape Ordinance program in 2017 that codified Water Efficient Landscaping Standards (WELS). These WELS provide policies, guidelines, and minimum landscaping design, installation, maintenance, and management criteria to governmental agencies, design professionals, private developers, community groups, and homeowners for new development and significant remodels.

As of January 1, 2019, all building permit applications that meet certain thresholds of proposed development must demonstrate compliance the City's WELS, which includes meeting a maximum annual irrigation water need of 7.5 gallons/square-foot (sq.ft.)/irrigation season and obtaining a 3<sup>rd</sup> party audit from a certified landscape irrigation auditor prior to issuance of a Certificate of Occupancy. This audit requirement ensures landscape and irrigation installations comply with WELS and the approved plans.

While the WELS are designed to improve irrigation and landscaping efficiency on parcels undergoing development activities (i.e. those with an active Building Permit), Aspen is also working to improve outdoor water-use efficiency on developed properties with existing irrigation systems via an Irrigation Efficiency program.

The Irrigation Efficiency program currently provides irrigation system audits/assessments to Aspen's water customers at no cost to the customer. To implement this program, Aspen conducts a Request for Qualifications (RFQ) process each year to select a certified irrigation audit vendor to provide irrigation system assessments to residential, commercial, and City of Aspen properties in order to increase water use efficiency. During these assessments, the vendor assesses all irrigation zones and sprinkler heads to optimize settings, flag repair needs, and identify areas of opportunities for efficiency improvements. The vendor also prepares a complete report for each property on its irrigation system with specific recommendations for improvements and upgrades.

The purpose of the proposed program related to this grant application is to further incentivize customer investment in irrigation efficiency by continuing to provide irrigation system assessments to customers free of charge and to offer 50% cost-sharing rebates (of up to \$2,500 per parcel) to customers for certain types of irrigation system and landscaping improvements identified in the assessments. While the irrigation system assessment component of the program will remain available and free of charge to all City of Aspen Water customers, the City is seeking to expand the program by incentivizing specific opportunities for improving irrigation and landscape efficiencies. The proposed rebate component of the program will be available to all

Aspen residential customers, with a special focus on those accounts serving large County properties (i.e. properties located outside of City limits with potable service from the City).

The implementation of the program and delivery of its benefits to individual customers is broken into two tasks:

**Task One**

Provide and require Water customers to receive an irrigation system assessment prior to qualifying for any outdoor water efficiency rebates. All costs associated with the irrigation system assessment will be covered by the City with support from this grant. See additional irrigation assessment details below.

**Task Two**

After completing an irrigation assessment and receiving the related assessment report, those Aspen water customers will be eligible for 50% rebates for qualified improvements. All costs associated with the equipment, materials, installation, and labor of qualified improvements will be covered by the City with support from this grant up to \$2,500 per customer. Qualified outdoor water efficiency improvements that will be eligible for rebates include:

- Integrating Smart Controllers to existing irrigation systems
- Replacing overhead spray with drip irrigation
- Converting existing sprinkler heads to new, high efficiency sprinkler heads
- Replacing high water-use plantings (including turf) with low water-use plantings
- Implementing recommendations provided in the irrigation assessment report (irrigation assessment “punch list”) as reviewed and approved by the City

2.2.1 IRRIGATION ASSESSMENTS

Irrigation assessments will involve a physical inspection and analysis of irrigation system functionality and efficiency and landscape factors. Assessments will include a detailed report of findings, with specific recommendations for improving outdoor water efficiency (“punch list”).

The irrigation assessment vendor will provide the following services in relation to each irrigation assessment.

CUSTOMER SCHEDULING<sup>1</sup>, EFFICIENCY ASSESSMENTS, AND REPORTS

- Use automated, electronic scheduling system for customer irrigation system assessment/audits and retrofits and to provide customer contact information.
- Coordinate scheduling with the customer.

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<sup>1</sup> An irrigation assessment typically takes between 30 minutes to 2 hours. Each assessment is scheduled for a full 2-hour time slot. Properties that are known to be large, such as those with dozens of zones, are scheduled for two or three 2-hour time slots. The homeowner, property manager, or landscaper does not have to be on site for the assessment appointment, although they can accompany the vendor to ask questions and learn more about their system.



- Perform the scheduled residential inspection and efficiency evaluation (irrigation assessment).
- Provide the customer and City with each efficiency assessment audit report and related supporting documentation.

#### WATER EFFICIENCY ASSESSMENT COMPONENTS

- One site visit per eligible customer to collect system and efficiency data on existing irrigation systems.
- Inspect and test operation on each station on each controller.
- Evaluate and rate general system condition and efficiency.
- Develop and provide a detailed report with the recommended water efficiency improvements and associated costs, including but not limited to:
  - ✓ Leaks and Breaks including heads and nozzles
  - ✓ Overspray
  - ✓ Poor coverage
  - ✓ Low head drainage Nozzle and sprinkler conditions
  - ✓ Controller and sensor observations
  - ✓ High water use plantings, particularly those in the same hydrozone as low-medium use plantings

#### 2.2.2 REBATE PROGRAM

- Rebates are offered on a first-come, first-served basis as funds are available and will be provided in the form of a credit to the customer's water bill.
- Outdoor rebates will require proof of an irrigation system assessment before approval.
- Only the homeowner or authorized legal representative can apply for rebate(s) unless otherwise approved by the City of Aspen.
- Item(s) and/or services must have been purchased within six (6) months of an application for rebate and must be used on property within the City of Aspen potable water service area.
- Purchased item(s) must be new water efficiency fixtures or controllers to qualify. Equipment that is used, leased, refurbished, rented, received from warranty or insurance claims, exchanged, or won as a prize do not qualify for rebates.
- New construction, remodel, and/or "scrape and replace" projects do not currently qualify, and rebates cannot be used toward landscape design. Product purchases must be used to replace or upgrade old system components on properties without an active building permit.
- Customers who live in a condo or homeowner's association are still eligible for a rebate, but they must receive approval from the association and provide written proof of approval to the City of Aspen.
- The City of Aspen is authorized to audit all outdoor rebate submissions and can deny or return rebate fund/credits to the program if it is determined that the customer did not properly follow guidelines or was found to have violated the principles of the program.
- To receive ANY Rebate, applicants must submit a legible copy of the receipt which clearly identifies the eligible product(s) and/or service(s) with date of purchase.

- All rebate reimbursement submittals (e.g. landscape maps, plant selection, etc.) must be submitted in advance of receiving the rebate.
- Rebates may take 2 to 4 weeks to process.

### 3. TECHNICAL PROPOSAL: EVALUATION CRITERIA

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#### 3.1 EVALUATION CRITERION A - PROJECT BENEFITS (35 POINTS)

Up to **35 points** may be awarded based upon evaluation of the benefits that are expected to result from implementing the proposed project. This criterion considers a variety of project benefits, including the significance of the anticipated water management benefits and the public benefits of the project. This criterion prioritizes projects that modernize existing infrastructure in order to address water reliability concerns, including making water available for multiple beneficial uses and resolving water related conflict in the region.

*Describe the expected benefits and outcomes of implementing the proposed project.*

- *What are the benefits to the applicant’s water supply delivery system?*

The City of Aspen currently does not have significant storage capacity, and the water supply to its potable water distribution system is dependent on live streamflow. Streamflow is susceptible to variation and changing conditions, including diurnal streamflow fluctuations, as well as catastrophic events such as landslides, fires, and other events that can prevent river diversions for some period of time. For Aspen, its surface water supply is heavily reliant upon snowpack and runoff conditions, becoming particularly vulnerable in the late summer after the main snowmelt runoff period has ended and landscape irrigation demands are still high.

The irrigation assessments and associated rebates proposed for private irrigation system improvements are being provided to customers to incentivize the installation of more efficient systems and controls and more resilient plantings on existing, developed properties. These improvements, particularly when considered cumulatively, will reduce overall demand on the potable water distribution system through reduced outdoor water use, and will provide customers—and the water utility—with more options and better control of demand requirements, especially during periods of low stream flows (e.g. in the event of drought conditions or other catastrophe and in the late-summer through fall).

- *If other benefits are expected explain those as well. Consider the following:*
  - *Extent to which the proposed project improves overall water supply reliability:*

Better irrigation efficiency, more precise irrigation controls, and more resilient landscape plantings will reduce demand on the potable water supply system and improve the reliability of water supplies for municipal and domestic uses, particularly during times of low stream-flows.

- *The expected geographic scope benefits from the proposed project (e.g. local, sub-basin, basin)*

The benefits of the proposed project will apply most directly to the local water authority (the City of Aspen) and its ability to manage streamflows, customer water needs, and water

resources in general. However, this program supports outdoor efficiency as identified in the Regional WEP and the developed program model may be replicated by other local utilities in the Roaring Fork Valley.

- *Extent to which the proposed project will increase collaboration and information sharing among water managers in the region*

Just as the City of Aspen was the first water provider on Colorado’s Western Slope to codify WELS and provide QWEL training to community stakeholders, the proposed program is anticipated to be a model and a resource from which water managers from across the Roaring Fork watershed and greater Western Slope can learn and draw.

- *Any anticipated positive impacts/benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism)*

By incentivizing irrigation system and landscape-planting improvements, the proposed project is expected to generate additional business opportunities for local and regional landscape architects, irrigation system designers and installers, and outdoor water-use professionals. Benefits to local recreational, agricultural, environmental, and tourism sectors will also result from the reduction in river diversions to meet lower demands overall.

### **3.2 EVALUATION CRITERION B - PLANNING EFFORTS SUPPORTING THE PROJECT (35 POINTS)**

Up to **35 points** may be awarded based on the extent to which the proposed on-the-ground project is supported by an applicant’s existing water management plan, water conservation plan, System Optimization Review, or identified as part of another planning effort led by the applicant. This criterion prioritizes projects that are identified through local planning efforts and meet local needs.

Describe how your project is supported by an existing planning effort.

- *Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?*

The City of Aspen is committed to the efficient and effective use of water as a precious resource. The City takes seriously its responsibility of being located at the headwaters of the Roaring Fork Watershed in the Upper Colorado River Basin, protecting the quality and availability of water through the river system downstream. Aspen has adopted a policy to maintain minimum streamflows in the creeks downstream of its diversion structures at flow rates at or above the Colorado Water Conservation Board’s decreed instream flow rights for the protection of the fishery and the associated aquatic habitats in those streams. It has become the first utility in the State of Colorado to adopt the Qualified Water Efficient Landscape (“QWEL”) Certification Program and have recently adopted some of the most rigorous Water Efficient Landscaping and Irrigation Standards (WELS) in the state. The City takes very seriously its stewardship and leadership position as a water utility, and the WELS, QWEL, and Irrigation Efficiency programs are three of the major programs defined in the City’s state-approved Municipal Water Efficiency Plan. Aspen actively tracks and annually evaluates its current and proposed conservation and efficiency activities. Based on this annual evaluation, outdoor water programs that support and enhance WELS, QWEL, and outdoor

water efficiency efforts are considered a high priority. These programs are also highlighted in the water conservation savings projected in support of the City's Integrated Resource Plan (IRP), which is currently being developed.

### ***Qualified Landscape Efficiency Landscaper (QWEL) Trainings***

The QWEL program is an EPA WaterSense labeled Professional Certification Program for Irrigation System Audits. QWEL graduates meet the requirements to perform third party water audits as specified in Aspen's Landscape Ordinance and Water Efficient Landscaping Standards. QWEL professional certification provides landscape professionals with 20 hours of education on principles of proper plant selection for the local climate, irrigation system design and maintenance, irrigation system programming and operation and sustainable landscaping. Aspen was the first QWEL Certifying organization in the state of Colorado and has provided certification trainings since 2018.



### ***Water Efficient Landscaping Standards (WELS)***

The City of Aspen ratified an Ordinance that formalized *Water Efficient Landscaping Standards* in 2017 to address high levels of outdoor water use on properties on which development projects were being proposed through relevant Building Permit applications. The *Water Efficient Landscaping Standards* provide policies, guidelines, and minimum landscaping design, installation, maintenance, and management criteria to governmental agencies, design professionals, private developers, community groups, and homeowners for new development and significant remodels.

### ***Irrigation Efficiency Program***

To support the implementation of the City's WELS, Aspen developed an Irrigation Efficiency program in 2017 to provide irrigation assessments free of charge to any qualified City of Aspen water customer.

The WELS, the Irrigation Efficiency program, and the QWEL training program work together to promote efficient outdoor water use within the City of Aspen's water service area. These programs help satisfy recommendations identified in the City of Aspen's IRP, Aspen's 2015 WEP, the Roaring Fork Regional Water Efficiency Plan, and the Roaring Fork Watershed Plan.

- *Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.*

Water Conservation is a critical component of Aspen's outdoor water efficiency programs as identified in the City's 2015 WEP, the Regional WEP, and the in-progress IRP. The efficient and effective management of outdoor water use has been identified as one of the highest priority opportunities for managing the City's demands.

Recently, the City updated its long-term water demand projections in support of the IRP. This investigation observed that using irrigated area information and account-level water use data, the City can develop and incentivize a targeted residential conservation program designed to reduce these customers' outdoor water use, particularly any identified water waste. Conservation from the highest water users could have the largest impact on overall water use reductions. The savings potential from outdoor water use provides the greatest opportunity

for water reductions in the City and is expected to continue to be the City's highest efficiency priority.

As noted above, the WELS provide policies, guidelines, and minimum landscaping design, installation, maintenance, and management criteria to governmental agencies, design professionals, private developers, community groups, and homeowners for new development and significant remodels. The proposed rebate program is designed to address missed opportunities in the Irrigation Assessment program and further incentivize improvements on parcels/properties without proposed development. The QWEL program provides local landscape and irrigation professionals with the knowledge, skills, tools, and abilities to execute both WELS audits and Irrigation Assessments in compliance with best practice's and the City's Municipal Code and Standards.

### **3.3 EVALUATION CRITERION C - PROJECT IMPLEMENTATION (10 POINTS)**

Up to **10 points** may be awarded based upon the extent to which the applicant is capable of proceeding with the proposed project upon entering into a financial assistance agreement. Applicants that describe a detailed plan (e.g., estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates) will receive the most points under this criterion.

- *Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.*

#### 0.0 Pre-Award – Present → February 2022

- 0.1 Research Pitkin County permit requirements for stand-alone improvements to landscaping and irrigation systems
- 0.2 Prepare Ordinance for acceptance of grant award

#### 1.0 Project Initiation and Vendor Contracting – Jan 2022 → April 2022

- 1.1 Kick-off – Jan 2022
- 1.2 Prepare and release RFQ for Irrigation Assessment Vendor; select and authorize Irrigation Assessment Vendor Contract
- 1.3 Prepare Promotional Materials (monthly utility bills, newspaper ads, QWEL list and professional contacts, City communications, posters, etc.)
- 1.4 Research Scheduling Software (for customers to schedule irrigation assessments through CoA w/ 3<sup>rd</sup> party vendor)
- 1.5 Activate/troubleshoot CoA Utility Billing website and/or Salesforce for application and documentation submittal, rebate issuance, and tracking functions
- 1.6 Identify 100 largest Residential Water Users

#### 2.0 Outreach – April 2022 → Ongoing

- 2.1 Disseminate Promotional Materials (April 2022 → September 2022 and April 2023 → September 2023)
- 2.2 Streamline Permitting process (stakeholder management) with Pitkin County Community Development Dept (May and October 2022; May and October 2023)

2.3 Direct contact/proposals to 50 largest Residential Users (rolling) (May and July of 2022 and 2023)

3.0 – Implementation – April 2022→Ongoing

3.1 Schedule and track Irrigation Assessments April→September 2022 and April→September 2023

3.2 Process Rebates (as credits to water accounts) April→October 2022 and April→October 2023

4.0 – Grant Management and Reporting

4.1 Prepare and Submit Interim Financial Report (SF-425) – (November 2022→December 2023)

4.2 Prepare and Submit Interim Performance Report to include the following (November→December 2023):

4.3 Prepare and Submit Final Financial Report (SF-425) (November→December 2023)

4.4 Prepare and Submit Final Performance Report– (November→December 2023):

5.0 – Close-out and Next Steps – December 2023

- *Describe any permits that will be required, along with the process for obtaining such permits.*

Certain landscaping and irrigation projects on private parcels on the Aspen’s potable water distribution system require City of Aspen or Pitkin County Building Permits. Standalone permits for proposed work to landscaping and/or irrigation systems only (without proposed grading work) do not typically require any kind of building permit, but these permits are managed and issued by the City of Aspen Water and Engineering Departments. A review of permit requirements for Pitkin County and a process for expediting issuance of standalone City irrigation/landscaping permits will be conducted in 2021.

- *Identify and describe any engineering or design work performed specifically in support of the proposed project.*

None. Engineering and design work related to this project will be conducted by individual CoA water customers on private property, and rebates are not available to customers for engineering or design work through this program.

- *Describe any new policies or administrative actions required to implement the project.*

Specific policies for customers to qualify for and receive irrigation efficiency assessments and rebates will be added to the Title 25 of the City of Aspen Municipal Code. Standard Operating Procedures for the Irrigation Assessment vendor—including maintained communication with City Staff—will be included in the City’s solicitation materials and



ultimate contract. Standard administrative action processes related to the program—particularly approving rebates and crediting accounts—will be added to relevant job descriptions.

- *Describe the timeline for completion of environmental and cultural resource compliance. Was the timeline for completion of environmental and cultural resource compliance discussed with the local Reclamation office?*

Work associated with this project is occurring only within previously disturbed areas and additional environmental or cultural resources compliance is not anticipated.

### **3.4 EVALUATION CRITERION D - NEXUS TO RECLAMATION (10 POINTS)**

*Up to 10 points may be awarded based on the extent that the proposal demonstrates a nexus between the proposed project and a Reclamation project or activity. Describe the nexus between the proposed project and a Reclamation project or activity, including:*

- *Is the proposed project connected to a Reclamation project or activity? If so, how? Please consider the following:*
  - *Does the applicant receive Reclamation project water?*
  - *Is the project on Reclamation project lands or involving Reclamation facilities?*
  - *Is the project in the same basin as a Reclamation project or activity?*
  - *Will the proposed work contribute water to a basin where a Reclamation project is located?*
  - *Will the project benefit any tribe(s)?*

The proposed project is not connected to any Reclamation projects or activities.

## 4. PROJECT BUDGET

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The project budget includes:

- (1) Funding plan and letters of commitment (N/A)
- (2) Budget proposal
- (3) Budget narrative

### 4.1 FUNDING PLAN AND LETTERS OF COMMITMENT

The City of Aspen will fund the non-Federal share of project costs from their Enterprise Fund for Water Utility which is fully funded through revenue from monthly billing, tap fees, permit review fees, and other miscellaneous revenue sources. There shall be no funding provided by a source other than the applicant.

No project costs will be incurred prior to award.

**Table 1: Total Project Cost: Summary of Federal and Non-Federal Funding Sources**

<b>Funding Source</b>	<b>Amount</b>
Costs to be reimbursed with the requested Federal Funding	\$75,000
Costs to be paid by applicant	\$76,400
Value of third-party contributions	\$-
<b>Total Project Cost</b>	<b>\$151,400</b>

## 4.2 BUDGET PROPOSAL

**Table 2: Budget Proposal**

BUDGET ITEM DESCRIPTION	COMPUTATION			TOTAL COST
	\$/Unit	Quantity	Quantity Type	
<b>Salaries and Wages</b>				
Management Analyst II (Project Manager)	\$ 40	100	Hour	\$ 4,000
WELS Plans Review Technician	\$ 30	80	Hour	\$ 2,400
<b>Fringe Benefits</b>				
Full-Time Employees	\$ -			\$ -
Part-Time Employees	\$ -			\$ -
<b>Travel</b>				
N/A	\$ -			\$ -
<b>Equipment</b>				
N/A	\$ -			\$ -
<b>Supplies and Materials</b>				
N/A	\$ -			\$ -
<b>Contractual/Construction</b>				
Irrigation Assessment Contractor				
Single Family Residential (SFR)	\$ 300	50	Assessment	\$ 15,000
Other (Multi-family/HoA/Commercial)	\$ 3,500	10	Assessment	\$ 35,000
Grant Support Contractor				
Grant Management and Reporting				\$ 10,000
<b>Other</b>				
Other - SFR Rebates				
Maximum Rebate	\$ 2,500	25	Rebate	\$ 62,500
Partial Rebate	\$ 1,500	15	Rebate	\$ 22,500
<b>TOTAL DIRECT COSTS =</b>				<b>\$ 151,400</b>
<b>Indirect Costs</b>				
N/A	\$ -			\$ -
<b>TOTAL INDIRECT COSTS =</b>				<b>\$ -</b>
<b>TOTAL ESTIMATED PROJECT COSTS =</b>				<b>\$ 151,400</b>

## 4.3 BUDGET NARRATIVE

*The budget narrative provides a discussion of, or explanation for, items included in the budget proposal. The types of information to describe in the narrative include, but are not limited to, those listed in the following subsections.*

### 4.3.1 SALARIES AND WAGES

The salaries and wages include staff time to administer and manage the program and to coordinate contracting entities. The Project Manager for this project is Rob Gregor, Utilities

Management Analyst for the Utilities Department at the City of Aspen. Mr. Gregor will be responsible for working with consultants on the development and submittal of a fully completed form SF-425 Federal Financial Report, an interim program performance report, and the final performance report to Reclamation upon completion of the project. Mr. Gregor will be responsible for all aspects of scheduling and tracking irrigation system assessments and issuing customer rebates for the City of Aspen in coordination with the selected assessment vendor and relevant City Departments. Additional staff time from the Water Efficient Landscape Standards (WELS) Plans Reviewer is included for providing technical plans review, on-site investigations and inspections, and efforts to support irrigation system assessments and confirm customer rebate awards. Hourly labor rates and estimated hours included in this proposal are included in Table 2. The hourly rates represent staff direct hourly wages. Hours spent directly contributing to this project will be tracked and reported as a portion of the matching fund contributions.

#### 4.3.2 FRINGE BENEFITS

Fringe benefits are not included in this project application.

#### 4.3.3 TRAVEL

Travel related expenses are not eligible for reimbursement under this NOFO and are not included within the proposed budget.

#### 4.3.4 EQUIPMENT

No equipment will be purchased or rented for this project.

#### 4.3.5 MATERIALS AND SUPPLIES

No additional materials or supplies are required for the implementation of this project.

#### 4.3.6 CONTRACTUAL

Through a competitive bid process, the City will select a contractor to schedule, perform, and report findings of irrigation system efficiency assessments to City of Aspen water customers for two (2) consecutive irrigation seasons (May-October) in 2022 and 2023. Irrigation system assessment types are broken into two categories by account type: Single Family Residential (SFR) and Other (Multi-family/HoA/Commercial), and the rate for each type is estimated according to the average rate(s) billed for each type of assessment since the City of Aspen began offering them to customers in 2017. One of the goals of the proposed project is to provide Irrigation Assessments to at least fifty (50) Single Family Residential customers and ten (10) Other types of customers (e.g. Multi-Family Residential, Home-Owners Association, or Commercial) over the course of two proposed irrigation seasons.

The City will work with a consultant to complete all required reporting and grant management efforts to support the City should a grant be awarded. The cost is less than the Simplified Acquisition Threshold, allowing the City to contract without a competitive procurement process.

#### 4.3.7 THIRD-PARTY IN-KIND CONTRIBUTIONS

No work included with this project will be accomplished via third-party in-kind contributions.

#### 4.3.8 ENVIRONMENTAL AND REGULATORY COMPLIANCE COSTS

The City of Aspen does not anticipate any environmental and regulatory compliance costs to be incurred under this grant budget.

#### 4.3.9 OTHER EXPENSES

The other—and most significant—expenses of the proposed project are related to the rebates being provided to customers for making the irrigation system and landscape improvements outlined above. For budgeting purposes, two (2) types of rebates are assumed to be provided over the course of the program: Maximum and Partial. The maximum rebate provided under the terms outlined above is \$2,500 per account, and the goal is to issue 25 rebates at the maximum value. The project budget also assumes that fifteen partial (15) rebates will be provided to customers at an assumed average rate of \$1,500 dollars per account. This rate for partial rebates is slightly above the mean and median of the maximum provided because the City assumes customers will seek to maximize rebates but may simply not have enough qualifying improvements to make to achieve the maximum. The overall project goal is to provide at least 40 rebates total at either the maximum or partial rate.

#### 4.3.10 INDIRECT COSTS

No indirect costs are included in this project budget.

## 5. ENVIRONMENTAL AND CULTURAL RESOURCES COMPLIANCE

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*To allow Reclamation to assess the probable environmental and cultural resources impacts and costs associated with each application, all applicants should consider the following list of questions focusing on the NEPA, NHPA, and ESA requirements. Please answer the following questions to the best of your knowledge. If any question is not applicable to the project, please explain why.*

- *Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.*

The proposed program is designed to encourage improvements on private properties, so any/all improvements proposed because of that program will be completed on previously disturbed lands and will be reviewed for impacts to the surrounding community on a case-by-case basis through the normal City of Aspen and Pitkin County Building Permit Review processes. Both the City of Aspen and Pitkin County perform stringent reviews of all proposed development projects to ensure minimization and/or mitigation of all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area.

- *Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?*

No. The City of Aspen is not aware of any species listed or proposed to be listed as a Federal threatened or endangered species or designated critical habitat in the project area. In addition, as noted above, any/all improvements proposed through the irrigation efficiency assessment and outdoor rebate program will be applied to private property and reviewed through the normal City of Aspen and Pitkin County Building Permit review processes. Since the program is designed to minimize the application of irrigation water and incentivize restoration of native landscapes, it is anticipated that any effects on native species and habitats will be positive, while any projects with potentially negative impacts on Federal threatened or endangered species, or designated critical habitat in the project area, will not be issued a permit to perform work of any kind.

- *Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as “Waters of the United States?” If so, please describe and estimate any impacts the proposed project may have.*

The City of Aspen is not aware of any wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as “Waters of the United States,” and, moreover, the City does not expect the proposed program to impact any such wetlands or surface waters. All work will be completed within privately owned lands.

- *When was the water delivery system constructed?*

The earliest parts of Aspen’s original water delivery system were constructed in the late-1800s. In 1956, the City of Aspen began operating the Municipal Water Utility. In 1957, Aspen voters approved a bond proposal adopting a plan for acquisition and improvement of the water works system and for repayment of the costs incurred in the acquisition and improvement program.

- *Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.*

No. The proposed program is designed to incentivize efficiency modifications to individual features of irrigation systems on private properties connected to the City of Aspen’s broader potable water distribution system. Any modifications proposed as a result of these incentives will be well “down-stream” of any headgates, canals, and/or flumes associated with the City’s potable water distribution system, and the program and its incentives are not available to systems not being supplied by that potable distribution system (i.e. the program is not available for any improvements to raw water irrigation systems or associated headgates, canals, flumes, ditches, etc.).

- *Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at*



*your local Reclamation office or the State Historic Preservation Office can assist in answering this question.*

Although the City of Aspen is not aware of any historic places or structures that the proposed program will impact, it is possible that one or more private properties that apply to participate in the program might contain buildings, structures, or features that are listed or eligible for listing on the National Register of Historic Places. Any proposed impacts to areas with such landmarks will be subject to the notoriously stringent Historic Preservation component of the City of Aspen and Pitkin County Building Permit Review Processes. The Water Department will work with the appropriate Historic Preservation review agencies in the course of issuing all permits for properties containing any such historic buildings, structures, or features.

- *Are there any known archeological sites in the proposed project area?*

There are no known archeological sites in the proposed project area.

- *Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?*

The proposed program will not have a disproportionately high and adverse effect on low income or minority populations.

- *Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?*

The proposed program will not limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

- *Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?*

The proposed program will not contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area, and in fact seeks to incentivize the restoration of native landscapes.

## **6. REQUIRED PERMITS OR APPROVALS**

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Certain landscaping and irrigation projects on private parcels on the Aspen's potable water distribution system require City of Aspen or Pitkin County Building Permits. Standalone permits for proposed work to landscaping and/or irrigation systems only (without proposed grading work) do not typically require any kind of building permit, but these permits are managed and issued by the City of Aspen Water and Engineering Departments. A review of permit requirements for Pitkin County and a process for expediting issuance of standalone City irrigation/landscaping permits will be conducted in 2021.

## **7. OFFICIAL RESOLUTION**

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The next Council meeting will be held on April 13, 2021, during which an Official Resolution will be presented and signed. This will be provided in support of this grant application upon completion.

## **8. LETTERS OF SUPPORT**

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Christina Medved, Roaring Fork Conservancy

Cynthia Koehler, WaterNow Alliance

Kevin Reidy, Colorado Water Conservation Board

arch 9, 2021

r. Rob Gregor  
Management Analyst II  
City of Aspen Utilities Department  
130 South Galena Street  
Aspen, CO 81611

Subject: U.S. Bureau of Reclamation Small-Scale Water Efficiency Projects Grant:  
City of Aspen Irrigation Efficiency Program

Dear Mr. Gregor:

On behalf of WaterNow Alliance, I would like to submit this letter in support of the City of Aspen's U.S. Bureau of Reclamation WaterSMART Small-Scale Water Efficiency Program application for the Irrigation Efficiency Program. WaterNow Alliance, a national network of local water leaders supporting sustainable water management measures, has been working with City for the past four years to support their water efficiency and system resiliency objectives.

To implement the City's commitment to providing a safe, reliable and resilient water supply, Aspen has recently prepared an Integrated Resources Plan (IRP). The Plan has identified conservation as a critical component of managing water supplies and has cited key opportunities to improve efficiencies in outdoor water-use applications. This project aims to further incentivize customers' pursuit of irrigation system efficiency by adding a rebate component to the City's existing Irrigation Efficiency program.

The Irrigation Efficiency program is a complement to the City's Ordinance that requires properties undergoing development activities to comply with the City's Water Efficient Landscaping Standards (WELS). The program also leverages the City's investment in providing Qualified Water Efficient Landscaping (QWEL) training to local landscape professionals and is focused on improving irrigation systems. The WELS, QWEL and Irrigation Efficiency programs are all designed to decrease demand for treated water for outdoor applications and together make up a significant portion of the "Conservation" component of the City's Integrated Resource Plan (2021). The City of Aspen's expansion of the Irrigation Efficiency program also fulfills certain recommendations identified in its Municipal Water Efficiency Plan (updated in 2015), the Roaring Fork Regional Water Efficiency Plan (2015), and the Roaring Fork Watershed Plan (2012).

For these reasons, we strongly support the City of Aspen's U.S. Bureau of Reclamation WaterSMART Small-Scale Water Efficiency Projects Grant application to expand its Irrigation Efficiency Program.

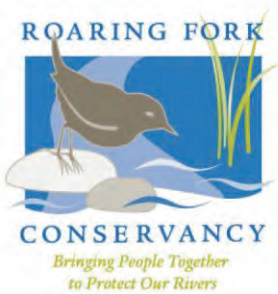
If you have any further questions, please feel free to contact me at [ck@waternow.org](mailto:ck@waternow.org) or 415-515-0511.

Sincerely,

Sincerely,



Cynthia Koehler, Executive Director  
WaterNow Alliance



March 11, 2021

Mr. Rob Gregor  
Management Analyst II  
City of Aspen Utilities Department  
130 South Galena Street  
Aspen, CO 81611

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Sheryl Sabandal  
*Development Director*  
Elliott Audette  
*Business Manager*  
Larry Gruel  
*Finance Director*

Dear Mr. Gregor:

Subject: U.S. Bureau of Reclamation Small-Scale Water Efficiency Projects  
Grant: City of Aspen Irrigation Efficiency Program

On behalf of Roaring Fork Conservancy, I am submitting a letter in support of the City of Aspen's U.S. Bureau of Reclamation WaterSMART Grants:

Through the City's commitment to providing a safe and resilient water supply, the City has recently prepared an Integrated Resources Plan (IRP). The Plan has identified Conservation as a critical component of managing water supplies, and that opportunities exist to improve efficiencies in outdoor water-use applications. The primary goal of the proposed improvements is to further incentivize customers' pursuit of irrigation system efficiency assessments and investing in making system improvements by adding a rebate component to the existing Irrigation Efficiency program.

The Irrigation Efficiency program leverages the City's continued investment in providing Qualified Water Efficient Landscaping (QWEL) training to regional stakeholders and is focused on improving existing irrigation systems on already developed properties. The Irrigation Efficiency program is a complement to the City's Ordinance that requires properties undergoing development activities to comply with the City's Water Efficient Landscaping Standards (WELS). The WELS, Irrigation Efficiency, and QWEL programs are all designed to help mitigate demand for treated water for outdoor applications and together make up a significant portion of the "Conservation" component of the City's Integrated Resource Plan (2021). The City of Aspen's expansion of the Irrigation Efficiency program also fulfills certain recommendations identified in its Municipal Water Efficiency Plan (updated in 2015), the Roaring Fork Regional Water Efficiency Plan (2015), and the Roaring Fork Watershed Plan (2012).

For these reasons, we strongly support the City of Aspen's U.S. Bureau of Reclamation WaterSMART Small-Scale Water Efficiency Projects Grant application to expand its Irrigation Efficiency Program.

If you have any further questions, please feel free to contact me at [christina@roaringfork.org](mailto:christina@roaringfork.org) or (610) 368-6330.

Sincerely,

Christina Medved, M.A.  
Director of Community Outreach





**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources  
1313 Sherman Street, Room 718  
Denver, CO 80203

3/10/21

Mr. Rob Gregor  
Management Analyst II  
City of Aspen Utilities Department  
130 South Galena Street  
Aspen, CO 81611

Dear Mr. Gregor:

Subject: U.S. Bureau of Reclamation Small-Scale Water Efficiency Projects Grant:  
City of Aspen Irrigation Efficiency Program

On behalf of the Colorado Water Conservation Board (CWCB), I would like to submit a letter in support of the City of Aspen's U.S. Bureau of Reclamation WaterSMART Grants application.

Through the City's commitment to providing a safe and resilient water supply, the City has recently prepared an Integrated Resources Plan (IRP). The Plan has identified Conservation as a critical component of managing water supplies, and that opportunities exist to improve efficiencies in outdoor water-use applications. The primary goal of the proposed improvements is to further incentivize customers' pursuit of irrigation system efficiency assessments and investing in making system improvements by adding a rebate component to the existing Irrigation Efficiency program.

The Irrigation Efficiency program leverages the City's continued investment in providing Qualified Water Efficient Landscaping (QWEL) training to regional stakeholders and is focused on improving existing irrigation systems on already developed properties. The Irrigation Efficiency program is a complement to the City's Ordinance that requires properties undergoing development activities to comply with the City's Water Efficient Landscaping Standards (WELS). The WELS, Irrigation Efficiency, and QWEL programs are all designed to help mitigate demand for treated water for outdoor applications and together make up a significant portion of the "Conservation" component of the City's Integrated Resource Plan (2021). The City of Aspen's expansion of the Irrigation Efficiency program also fulfills certain recommendations identified in its Municipal Water Efficiency Plan (updated in 2015), the Roaring Fork Regional Water Efficiency Plan (2015), and the Roaring Fork Watershed Plan (2012).

For these reasons, we strongly support the City of Aspen's U.S. Bureau of Reclamation WaterSMART Small-Scale Water Efficiency Projects Grant application to expand its Irrigation Efficiency Program.

If you have any further questions, please feel free to contact me at [kevin.reidy@state.co.us](mailto:kevin.reidy@state.co.us).

Sincerely,

Kevin Reidy  
State Water Conservation Specialist  
Colorado Water Conservation Board



# APPENDICES



## APPENDIX A

### CITY OF ASPEN MUNICIPAL WATER EFFICIENCY PLAN PUBLIC NOTICE ANNOUNCEMENT, PUBLIC COMMENTS, AND OFFICIAL PLAN ADOPTION RESOLUTION

#### A1. PUBLIC NOTICE ANNOUNCEMENT

A Public Notice (reprinted below) was published on December 24, 2014, through the City of Aspen website: <http://www.aspenpitkin.com/Departments/Utilities/Water>. Public comments on the Municipal Water Efficiency Plan for City of Aspen were requested via email by February 27, 2015 to: [WaterAdmin@cityofaspen.com](mailto:WaterAdmin@cityofaspen.com).

#### Press Release

#### Public Input Requested for Aspen's Draft Water Efficiency Plan

#### PUBLIC SERVICE ANNOUNCEMENT

#### Public Input Requested for Aspen's Draft Water Efficiency Plan

**Contact:** Lee Ledesma, Finance and Administrative Services Manager, Utilities Department, City of Aspen, 429-1975 or [lee.ledesma@cityofaspen.com](mailto:lee.ledesma@cityofaspen.com).

**Aspen, Colorado – December 24, 2014** – The City of Aspen has completed a draft of an updated water efficiency plan and is requesting public input. The plan is being updated as part of the City's participation in a Roaring Fork Watershed Regional Plan, which is a partnership between Aspen, Snowmass Village, Basalt, Carbondale and Glenwood Springs. The report is designed to look at future demand and efficiency measures with the goal of benefiting and enhancing the stream flow in the upper Roaring Fork River basin. To read the report and get information on how to comment go to [www.aspenpitkin.com](http://www.aspenpitkin.com) and click on Water Department. The deadline for comments is February 27, 2015.

###

Posted on Wednesday, December 24, 2014

## A2. PUBLIC COMMENTS

The 60-day public review process was held from December 24, 2014 through February 27, 2015. During this period, one person submitted written comments. The comments and responses from the City of Aspen are presented below.

### A2.1 COMMENTS RECEIVED

The comments received are reprinted below, as received.

Thank you for accepting my feedback in response to the **City of Aspen's Municipal Water Efficiency (WE) Plan**. I welcome the opportunity to discuss my notes with your team in-person should that help inform Plan refinements. While it appears the report is focused primarily on **Water Quantity**; there is excellent opportunity to illustrate the parallel benefits of improved **Water Quality**. Too, the topics listed below are primarily focused on **outdoor water conservation** as informed by my professional practice—registered Landscape Architect.

#### **Opportunities for additional WE activities/education** (page 40):

Climate—reduce contributors to increasing temperatures

Reduce risk of catastrophic events—slides, fires, etc

Temperatures (reduce heat island effect)

Restore/protect aquatic systems

Require or incentivize for preservation/protection of native, undisturbed areas of soil/plants

Soil/vegetation work together, protect together—reduce disturbance + protect

Existing Veg/Soil/Water—protect

Proposed Veg/Soil/Water—xeric, organic

Consider solar exposure and effect on irrigation/water needs

Manage precipitation on site—reduce hardscape, mimic nature/treatment train, direct roof and other runoff into planting beds, future possibility to manage/collect/store runoff

Functional stormwater features as amenities—integrate functional stormwater features (review as Plan may complement and/or conflict with *City Engineering* regulations)

Reduce water use in landscape/reduce irrigation/xeric/drip—mandate limitations

Require irrigation be non-potable if available to property

Reduce outdoor water use—pools, spas, water features, snowmelt (evapo loss), etc

Provide detailed xeric plant list as informed by appropriate elevation/aspect/precipitation/etc

Consider wind exposure (impact to water needs, irrigation inefficiencies)

Landscape maintenance standards

**Detailed inventory of City of Aspen parks, open space and similar public lands,**

inventory to consider:

Use of treated water for irrigation

Use Kentucky Bluegrass (define acreage)

Maintenance plan

Planting plan (xeric versus non)

Irrigation plan (drip versus spray)

**Detailed inventory of Districts/School, as relevant**

Same as above

**Consider acknowledgment:**

City Engineering standards—high quality guidelines and regulations

City code—aquatic systems currently protected (riparian buffers, wetlands, streams)

Despite **Colorado Water Law**, integrate a wish-list for future implementation opportunities such as

Rainwater harvesting, graywater reuse, etc.

**Education/awareness**—opportunities for field-demonstrations of vision implemented by City at City owned parks and open/space, such as:

Zoned irrigation, drip, temporary for establishment versus permanent

Turfgrass species location appropriate

Consider ‘natural’ swimming pools

Low-impact, aesthetically awesome stormwater design

Green roofs

Detention/retention

**Consider pilot projects:**

<http://water.state.co.us/SurfaceWater/SWRights/Pages/RainwaterGraywater.aspx>

## **A2.2 RESPONSES FROM CITY OF ASPEN**

Thank for you for taking the time and effort to prepare these useful comments. Below is a summary of how these comments were addressed in the Water Efficiency Plan. Please understand that it is not possible to incorporate all of the recommendations submitted.

### **A2.2.1 Treated Water Supply**

The City understands that reducing irrigation runoff has the potential to reduce nutrient flows into local streams and rivers and is an additional benefit of this water efficiency plan, with its focus on outdoor

watering and irrigation efficiency. As noted in the comments, the City of Aspen Water Efficiency Plan is focused entirely on water quantity and does not touch on water quality. Aspen's plan was carefully prepared to comply with State of Colorado planning requirements and legislation, which does not currently include water quality as part of the legal planning requirement.

The City hopes to incorporate ideas for reducing runoff and improving water quality in the coming years through the consideration of a model landscape ordinance, which is further described in the Regional Water Efficiency Plan for the Roaring Fork Watershed.

### **A2.2.2 Water Efficiency Activities and Education**

The City of Aspen actively promotes water efficiency through a variety of informational and educational efforts described in this plan. In addition, the City plans to research and develop a local landscape ordinance that will help ensure new and remodeled landscapes and irrigation systems incorporate best practices for water efficiency. This will provide an opportunity to incorporate some of the recommendations from the comments on solar exposure and landscape maintenance standards.

Some of the items listed in the comments such as "reduce risk of catastrophic events – slides, fires, etc." are not directly linked to existing or proposed water efficiency activities and may be considered for inclusion in a future plan update, or in a different context such as a regional plan or climate resiliency plan.

Aspen has provided ongoing water use awareness education and has conducted customer outreach since as early as 1992, and it is a requirement of Aspen Municipal Code as described above. Public education and information efforts are ongoing, and Water Department staff regularly attend community events for outreach purposes. The City regularly provides information to customers about ways to conserve water and avoid water waste through flyers and bill stuffers and the utility maintains conservation materials and information that are available upon request. Aspen's website includes a webpage with water conservation tips and drought management resources. Aspen's website also features a water calculator where visitors can develop an estimate of their water use.

### **A2.2.3 Inventory of City of Aspen Parks and School Properties**

All City parks, medians, and other irrigated areas that use pressurized water are metered and billed based on their actual consumption. In 2008, the irrigation system at the Municipal Golf Course was completely upgraded with new piping, irrigation heads, and controllers. Irrigation systems on selected parks and open spaces have been converted to the alluvial groundwater supply system, which frees up treated water for other municipal purposes.

The City of Aspen Parks Department manages the City's parks. This management includes landscaping, irrigation and water management. School landscapes are designed and maintained by the local school district. Maintaining landscape inventories and irrigation system information are tasks that are accomplished by other departments and staff. Working with the Parks Department and school district to identify potential for additional water demand management may be considered in future plan updates.

#### **A2.2.4 Acknowledgement of City Codes and Standards**

The City does have regulations on riparian buffers and wetlands related to stormwater runoff. As stormwater runoff is outside the purview of this plan, these regulations are not explicitly discussed. Aspen does, however, provide stormwater quality treatment.

#### **A2.2.5 Wish List "Despite Colorado Water Law"**

While the City did not incorporate a "wish list" related to Colorado water law as part of its plan, this topic is addressed and included in the Roaring Fork Regional Water Efficiency Plan. The Regional Plan was made available for public review on March 10, 2015.

### **A3. OFFICIAL PLAN ADOPTION RESOLUTION**

City of Aspen Utilities staff reviewed this Water Efficiency Plan and made comments, after which the public review period began. The plan was updated to address public comments, and then presented to the City Council during a work session on June 15, 2015. The Water Efficiency Plan was subsequently updated to address comments from the City Council. On September 28, 2015, the City Council adopted the plan with the updates included in this final version. A copy of City Council Resolution 081-15 adopting the Water Efficiency Plan is attached.

RESOLUTION NO. 81  
Series of 2015

A RESOLUTION OF THE CITY OF ASPEN, COLORADO, ADOPTING THE CITY OF ASPEN MUNICIPAL WATER EFFICIENCY PLAN.

WHEREAS, the City of Aspen has demonstrated a long-term commitment to wise water stewardship and responsible and efficient use of its water resources; and

WHEREAS, the City of Aspen carefully developed a City of Aspen Municipal Water Efficiency Plan, attached hereto as Exhibit A and incorporated by this reference (the "Aspen Water Efficiency Plan"), in accordance with the Colorado Water Conservation Act of 2004 so that it meets or exceeds all statutory requirements according to Colorado Revised Statute § 37-60-126; and

WHEREAS, the Aspen Water Efficiency Plan was created to identify opportunities for further efficiencies in the Aspen water system; and

WHEREAS, the City of Aspen has been successful in implementing a number of indoor water conservation measures and has now identified future measures that focus on outdoor water efficiency to reduce water demands and provide reasonable cost savings for water utility customers.

NOW, WHEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ASPEN, COLORADO, THAT:

Section One

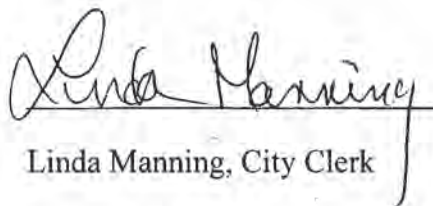
The City Council of the City of Aspen hereby adopts the City of Aspen Municipal Water Efficiency Plan.

INTRODUCED, READ AND ADOPTED by the City Council of the City of Aspen on the 28<sup>th</sup> day of Sept, 2015.



Steven Skadron, Mayor

I, Linda Manning, duly appointed and acting City Clerk do certify that the foregoing is a true and accurate copy of that resolution adopted by the City Council of the City of Aspen, Colorado, at a meeting held on the day hereinabove stated.



Linda Manning, City Clerk



## **ATTACHMENT A**

Memorandum of Understanding Concerning Preparation  
of a Roaring Fork Watershed Regional Conservation Plan



MEMORANDUM OF UNDERSTANDING  
Concerning the Preparation of a  
Roaring Fork Watershed Regional Water Conservation Plan

This MEMORANDUM OF UNDERSTANDING ("MOU") is entered into effective the last date written below, by and among the City of Aspen ("Aspen"), Snowmass Water and Sanitation District ("Snowmass"), Town of Basalt ("Basalt"), Town of Carbondale ("Carbondale"), the City of Glenwood Springs ("Glenwood Springs"), together these entities are referred to below as "Providers," and the Community Office for Resource Efficiency ("CORE"). All together these entities are referred to below as "Parties."

RECITALS

WHEREAS, this MOU is based on all of the Parties' common interest in the Roaring Fork watershed, water conservation, water planning, and the desire to cooperate to further their individual and common interests; and

WHEREAS, water conservation saves water through practices, techniques, and technologies that extend water supplies and other resources, such as energy; and

WHEREAS, water conservation can free up supplies for other uses, such as population growth, drought needs, recreational uses, and environmental uses, such as instream flows; and

WHEREAS, conserved water that is subject to a water conservation program established through formal written action or ordinance by a municipality is not subject to abandonment under Colorado law, Colorado Revised Statutes § 37-92-103(2); and

WHEREAS, water conservation established through formal written action or ordinance by a municipality does not reduce the "historical consumptive use"(quantity) of water, Colorado Revised Statutes § 37-92-305(3)(c)(1)(B); and

WHEREAS, conserved water can benefit instream flows, rafting, kayaking, recreational in channel diversions, gold medal fisheries, and aquatic life; and

WHEREAS, conserved water can be loaned or leased to the Colorado Water Conservation Board ("CWCB") for instream flows to preserve or improve the natural environment to a reasonable degree, Colorado Revised Statutes "C.R.S." §§37-83-105(2) and 37-92-102(3); and

WHEREAS, Aspen and Glenwood Springs are "covered entities" required to prepare and submit water conservation plans to the CWCB for approval pursuant to C.R.S. § 37-60-126; and

WHEREAS, the City of Glenwood Springs has a CWCB-approved water conservation plan; and

WHEREAS, Aspen, Snowmass, Basalt, and Carbondale are interested in water conservation planning to benefit their communities; and

WHEREAS, economics and tourism significantly impact each of the Providers' water demands in the Roaring Fork watershed; and

WHEREAS, the Parties recognize their individual interests in water conservation planning have regional significance within the Roaring Fork watershed; and

WHEREAS, there are community and regional benefits from implementing a Roaring Fork Watershed Regional Water Conservation Plan, such as additional water for drought protection, recreational uses and environmental purposes; and

WHEREAS, the Parties aspire to plan for, develop, and implement significant water conservation within their communities and the Roaring Fork watershed and wish to support the Providers' individual water conservation efforts and prevent the "Tragedy of the Commons" that might result if Providers compete for growth by requiring less water conservation than their neighbors; and

WHEREAS, water conservation may include demand management activities that share many common elements that are amenable to regional investigation, including:

1. Foundational activities, such as water efficiency pricing and tap fees;
2. Targeted technical assistance and incentives, such as water efficient fixtures and appliances, low water use landscapes, and water efficient commercial and industrial water using process through incentives;
3. Ordinances and regulations; such as water wasting policies, watering restrictions, new construction regulations, and time of sale regulations;
4. Educational activities, such as one-way, one-way with feedback, and two-way; and

WHEREAS, the selection of water conservation activities is a four-step process involving:

1. *Assessment* of community-specific water conservation activities, water supply and service area;
2. *Identification* of potential water conservation activities that are compatible with community systems and needs;
3. *Qualitative screening* of potential water conservation activities;
4. *Evaluation and selection* of final activities for implementation; and

WHEREAS, regional cooperative identification, screening and evaluation of water conservation and demand management activities may facilitate selection and implementation by individual Providers; and

WHEREAS, the Providers may be able to implement elements of their individual water conservation plans more easily and more successfully if they are common components of a Roaring Fork Watershed Regional Water Conservation Plan; and

WHEREAS, public and stakeholder involvement can improve the quality, community support and implementation of water conservation plans, and regional planning can complement and enhance public and stakeholder involvement; and

WHEREAS, public opinion surveys are expensive and can be extremely valuable for plan development, while a regional survey with community-specific questions can minimize these costs and enhance public involvement; and

WHEREAS, the Providers desire to cooperate to prepare a Roaring Fork Watershed Regional Water Conservation Plan that compliments and supports their individual water conservation planning; and

WHEREAS, the CWCB provides financial assistance for water conservation planning; and

WHEREAS, the CWCB's Water Efficiency Grant Program has significant application submittal requirements, including a detailed scope of work utilizing the CWCB's Municipal Water Efficiency Plan Guidance Document (July 2012); and

WHEREAS, water conservation plans must be prepared in accordance with the statutory requirements of C.R.S. § 37-60-126 and the technical requirements of the CWCB's Water Efficiency Grant Program Fund Grant Guidelines for Water Conservation Planning Projects (Nov. 20, 2008) and the CWCB's Municipal Water Efficiency Plan Guidance Document; and

WHEREAS, the CWCB's Water Efficiency Grant Program requires a 25 percent match.

### **UNDERSTANDINGS**

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual promises and covenants contained herein and other good and valuable consideration, the Parties agree as follows:

1. To cooperate in the preparation and submittal of an application to the CWCB for a Water Efficiency Planning Grant to prepare a Roaring Fork Watershed Regional Water Conservation Plan; and
2. To cooperate in the preparation and submittal of applications for other potential sources of funding that may be available to support the preparation of a Roaring Fork Watershed Regional Water Conservation Plan ("Regional Plan"); and
3. To cooperate in identifying a single fiscal agent to act as the lead applicant and grant administrator for all; and

4. To cooperate in establishing a common planning horizon for the Regional Plan; and
5. To cooperate in the preparation of a request for proposals for a consultant(s) to work with the Parties to prepare the Regional Plan; and
6. To agree on the selection of a consultant(s) to work with the Parties to prepare the Regional Plan; and
7. In the event the Parties are awarded a Water Efficiency Planning Grant, to secure the 25 percent local funding match required by the CWCB, in an amount not to exceed \$7,500 each; and
8. To cooperate in the preparation of the Regional Plan; and
9. To review and comment on the draft version(s) of the Regional Plan; and
10. To cooperate in an attempt to identify mutually acceptable implementation measures for inclusion in the Regional Plan.
11. In the event the Parties are awarded a Water Efficiency Planning Grant, preparation of a Roaring Fork Watershed Regional Water Conservation Plan will include the completion, or review and updating of plans for each of the Providers in accordance with the requirements of C.R.S. § 37-60-126.

The Parties further agree that this MOU:

1. Shall not be construed as evidence of any intent to abandon, in whole or in part, any of the Providers' respective water rights, which the undersigned Providers hereby state they have no intent to abandon; and
2. Is intended to describe the rights and responsibilities of and between the Parties and is not intended to, and shall not be deemed to confer any rights upon any persons or entities not named as Parties, nor to limit in any way the powers and responsibilities of the Parties or any other entity who is not a Party; and
3. Shall be governed under and controlled by the laws of the State of Colorado; and
4. Constitutes the entire agreement of the Parties concerning the subject matter and supersedes all prior representations, negotiations or other communications related thereto; and
5. May be amended only in writing, which writing must be signed by all Parties in order to be effective; and
6. Shall be binding upon and inure to the benefit of the Parties hereto.

#### **Dispute Settlement**

In the event of any difference(s) or dispute(s) arising out of the interpretation or application of the provisions of this MOU, CORE shall immediately facilitate a meeting of the Parties to consult in good faith to expeditiously resolve such differences or disputes in a spirit of mutual understanding and cooperation.

**Termination**

This MOU shall remain in effect until the first to occur of the following events:

- a) Twenty four (24) months following the Effective Date, or
- b) The execution by the parties of a subsequent agreement, or
- c) Agreement of all the Parties to terminate or otherwise withdraw from this MOU; or
- d) Upon 60 days written notice to the Parties, any Party may elect to withdraw from this MOU, which shall have the effect of termination of this MOU relative to the withdrawing Party's duties and obligations. This MOU shall remain in effect and survive any Party's individual withdrawal with respect to the duties and obligations of the remaining Parties.

**Counterparts**

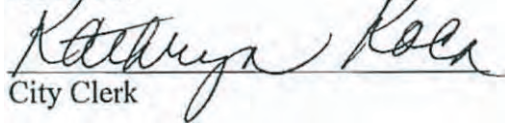
This MOU may be executed in multiple counterparts, each of which shall be deemed to be an original, but all of which shall constitute one and the same MOU.

Each Party hereto represents that its representative signing below is authorized to execute this MOU on its behalf.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the year and latest date written below.

**CITY OF ASPEN,**  
a Municipal Corporation

ATTEST:

  
City Clerk

Approved as to form,

CITY OF GLENWOOD SPIUNGS,

Approved as to form:

  
\_\_\_\_\_  
City Attorney

TOWN OF BASALT,  
a Municipal Corporation

By Michael Sculion

Its Town Manager

Date \_\_\_\_\_

ATTEST:

Amela K Schilly  
\_\_\_\_\_  
City

Approved as to form:

\_\_\_\_\_  
City Attorney

TOWN OF CARBONDALE,  
a Municipal Corporation

1 \ | \

ATTEST:

[Signature]  
City Clerk



Approved as to form:

[Signature]  
City Attorney

**SNOWMASS WATER AND SANITATION DISTRICT,**  
a special district

By [Signature]  
Its District Manager  
Date 9/2/13

ATTEST:

\_\_\_\_\_  
District Clerk

**COMMUNITY OFFICE FOR RESOURCE EFFICIENCY,**  
a non-profit corporation

ATTEST:

[Signature]



## **ATTACHMENT B**

Public Notice for Regional Water Efficiency Plan  
Public Review and Comment



# RUEDI WATER & POWER AUTHORITY

0238 Fawn Drive  
Carbondale, CO 81623  
970 963-4959 (ph & fax)

March 10, 2015

## Press Release and Public Notice

This is to provide notice that the Roaring Fork Regional Water Efficiency Plan is now available for public review and comment. The public notice period for the Plan will extend from this date for 60 days, ending on May 9, 2015. The public and all interested parties are invited to view the document by going to [www.rwapa.org](http://www.rwapa.org) and accessing the document via the button at the lower left of the home page or at the following internet address: <http://www.rwapa.org/wep-rfregional-draft-pubrev-20150309/>. This draft is for public review only and is not final nor is it available for on-line editing. All comments, questions, or responses to the plan should be forwarded to the Ruedi Water and Power Authority either by way of the comment box provided on the website or sent to [fulcon@comcast.net](mailto:fulcon@comcast.net). All comments and responses will be reproduced in an appendix to the final draft, which will be issued after the close of the public comment period. For more information please contact Mark Fuller, Director, Ruedi Water and Power Authority, [fulcon@comcast.net](mailto:fulcon@comcast.net).

## **ATTACHMENT C**

Resolutions Endorsing the Regional Water Efficiency Plan

RESOLUTION NO. 79  
Series of 2015

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ASPEN, COLORADO, ADOPTING THE ROARING FORK WATERSHED REGIONAL WATER EFFICIENCY PLAN.

WHEREAS, The City of Aspen is supportive of wise water management and efficient use of water resources, and

WHEREAS, The City of Aspen is supportive of regional water planning and cooperation between jurisdictions in the realm of water management, and

WHEREAS, The City of Aspen has recently completed and is now adopting the Aspen Municipal Water Efficiency Plan for the City, and

WHEREAS, The City of Aspen was a participant and funding partner in developing a Roaring Fork Regional Water Efficiency Plan, a copy of which is attached hereto as Exhibit A and incorporated by this reference (the "Regional Water Efficiency Plan") and

WHEREAS, the Regional Water Efficiency Plan was authorized and funded through a Memorandum of Understanding between the Roaring Fork Valley's five municipal water providers, including the City of Aspen, which outlined the goals, objectives and purposes of the Regional Water plan:

THEREFORE, Let it be Resolved:

The City of Aspen hereby acknowledges that the Regional Water Efficiency Plan has been produced in conformance with the Memorandum of Understanding (MOU) of 2013, which was approved by executed by David Hornbacher, Director of Utilities and Environmental Initiatives, on June 28, 2013, and

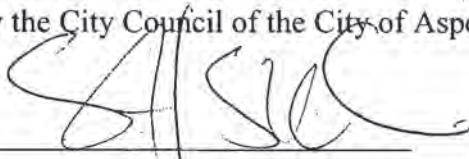
The City of Aspen endorses the Regional Water Efficiency Plan as a guidance document to be consulted and implemented by the City to the extent that such implementation is consistent with, and supportive of, City assets, actions, programs, ordinances, policies and procedures, and to the extent that implementation actions may be approved by the City on a case by case basis, and

The City of Aspen will evaluate applications and requests for funding, services in kind, or other material support for Plan implementation, such applications and requests to be made in accordance with applicable City policies and procedures, and to be considered on a case-by-case basis with no commitment to specific levels or methods of support to be implied by this Resolution, and

The City of Aspen will continue to work cooperatively with the Parties to the MOU, and, as appropriate, with other local agencies and interests to attempt to identify appropriate, timely and

financially responsible water efficiency measures that are consistent with the City's responsibilities to manage and protect the City's water rights, water quality, and water sources and infrastructure, as well as other City goals related to energy conservation, community land use planning, and public recreation.


INTRODUCED, READ AND ADOPTED by the City Council of the City of Aspen on the 28<sup>th</sup> day of Sept, 2015.



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Steven Skadron, Mayor

I, Linda Manning, duly appointed and acting City Clerk do certify that the foregoing is a true and accurate copy of that resolution adopted by the City Council of the City of Aspen, Colorado, at a meeting held on the day hereinabove stated.



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Linda Manning, City Clerk



**A RESOLUTION OF THE TOWN OF BASALT, COLORADO, ENDORSING THE  
ROARING FORK REGIONAL WATER EFFICIENCY PLAN**

**Town of Basalt, Colorado  
Resolution No. 37  
Series of 2015**

**RECITALS:**

The Town of Basalt is supportive of wise water management and efficient use of water resources, and

The Town of Basalt is supportive of regional water planning and cooperation between jurisdictions in the realm of water management, and

The Town of Basalt has recently completed and adopted a Water Efficiency Plan for the Town, and

The Town of Basalt was a full participant and funding partner in the Regional Water Efficiency Plan, and

The Regional Water Efficiency Plan was authorized and funded through a Memorandum of Understanding between the Roaring Fork Valley's five municipal water providers, including the Town of Basalt, which outlined the goals, objectives and purposes of the Regional Water plan:

**NOW, THEREFORE, THE TOWN COUNCIL OF THE TOWN OF BASALT,  
COLORADO, FINDS AND RESOLVES AS FOLLOWS:**

The Town of Basalt hereby acknowledges that the Roaring Fork Regional Water Efficiency Plan as drafted on this date has been produced in conformance with the understandings and agreements among the parties to the Memorandum of Understanding (MOU) of 2013, which is attached hereto, and

The Town of Basalt endorses the Regional Water Efficiency Plan as a guidance document to be consulted and implemented by the Town to the extent that such implementation is consistent with, and supportive of, Town assets, actions, programs, ordinances, policies and procedures, and to the extent that implementation actions may be approved by the Town on a case by case basis, and

The Town of Basalt will entertain applications and requests for funding, services in kind, or other material support for Plan implementation, such applications and requests to be made in accordance with applicable Town policies and procedures, and to be considered on a case-by-case basis with no commitment to specific levels or methods of support to be implied by this Resolution, and

The Town of Basalt will continue to work cooperatively with other local agencies and interests to determine appropriate and timely water efficiency measures consistent with the Town's responsibilities to protect, deliver, treat and otherwise manage the Town's water supplies.

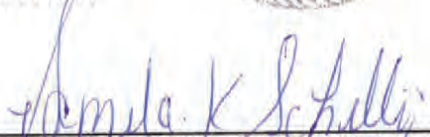
This Resolution was introduced, read, passed, and adopted by the Town of Basalt Town Council by a vote of 6 to 0 on July 28, 2015.



TOWN OF BASALT, COLORADO

By:   
\_\_\_\_\_  
Jacquie R. Whitsitt, Mayor

ATTEST:

  
\_\_\_\_\_  
Pamela K. Schilling, Town Clerk



**RESOLUTION NO. 13  
SERIES OF 2015**

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE TOWN OF  
CARBONDALE, COLORADO, ENDORSING THE ROARING FORK REGIONAL  
WATER EFFICIENCY PLAN**

**WHEREAS**, the Town of Carbondale, Colorado (“Town”) is supportive of wise water management and efficient use of water resources; and

**WHEREAS**, the Town is supportive of regional water planning and cooperation between jurisdictions in the realm of water management; and

**WHEREAS**, the Town has recently completed and adopted an individual Water Efficiency Plan; and

**WHEREAS**, the Town has also been a participant and funding partner in the Roaring Fork Watershed Regional Water Efficiency Plan (“Regional Water Efficiency Plan”); and

**WHEREAS**, the Regional Water Efficiency Plan was authorized and funded through a 2013 Memorandum of Understanding (“2013 MOU”) between the Roaring Fork Valley’s five municipal water providers (which include the Town as well as the Cities of Glenwood Springs and Aspen, and the Town of Basalt and the Snowmass Water & Sanitation District) which outlined the goals, objectives and purposes of the Regional Water Efficiency Plan.

**NOW, THEREFORE, BE IT IS RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF CARBONDALE, COLORADO, THAT:**

**Section 1:** The Town hereby acknowledges that the Roaring Fork Regional Water Efficiency Plan as drafted on this date has been produced in conformance with the 2013 MOU, copy attached.

**Section 2:** The Town endorses the Regional Water Efficiency Plan as a guidance document to be consulted and implemented by the Town to the extent that such implementation is consistent with, and supportive of, Town assets, actions, programs, ordinances, policies and procedures, and to the extent that implementation actions may be approved by the Town on a case-by-case basis.

**Section 3:** The Town will evaluate applications and requests for funding, services in kind, or other material support for the Regional Water Efficiency Plan’s implementation, such applications and requests to be made in accordance with applicable Town policies and procedures, and to be considered on a case-by-case basis with no commitment to specific levels or methods of support to be implied by this Resolution.

**Section 4:** The Town will continue to work cooperatively with the Parties to the 2013 MOU, and, as appropriate, with other local agencies and interests to attempt to identify appropriate, timely and financially responsible water efficiency measures that are consistent with the Town's responsibilities to manage and protect the Town's water rights, water quality, water sources and infrastructure, including non-potable irrigation water supplies, and other Town goals, including those related to energy conservation, community land use planning, and public recreation.

INTRODUCED, READ, AND PASSED THIS 22<sup>nd</sup> DAY OF September 2015.

TOWN OF CARBONDALE, COLORADO

By: [Signature]  
Allyn Harvey, Mayor Pro Tem

ATTEST:

[Signature]  
Catherine Derby, Town Clerk



ATTACHMENTS:

2013 Memorandum of Understanding  
Final Regional Water Efficiency Plan

**RESOLUTION 2015-22**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, ADOPTING THE ROARING FORK WATERSHED REGIONAL WATER EFFICIENCY PLAN.**

**WHEREAS**, the City of Glenwood Springs is supportive of wise water management and efficient use of water resources; and

**WHEREAS**, the City is supportive of regional water planning and cooperation between jurisdictions in the realm of water management; and

**WHEREAS**, the City has recently completed and adopted a Municipal Water Efficiency Plan for the City; and

**WHEREAS**, the City was a participant and funding partner in the Roaring Fork Watershed Regional Water Efficiency Plan; and

**WHEREAS**, the Regional Water Efficiency Plan was authorized and funded through a Memorandum of Understanding between the Roaring Fork Valley's five municipal water providers, including the City of Glenwood Springs, which outlined the goals, objectives, and purposes of the Roaring Fork Watershed Regional Water Efficiency Plan.

**NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:**

**Section 1.** The City Council of the City of Glenwood Springs hereby acknowledges that the Roaring Fork Regional Water Efficiency Plan as drafted on July 14, 2015 has been produced in conformance with the Memorandum of Understanding attached hereto.

**Section 2.** The City Council of the City of Glenwood Springs endorses the Roaring Fork Regional Water Efficiency Plan as a guidance document to be consulted and implemented by the City to the extent that such implementation is consistent with, and supportive of, City assets, actions, programs, ordinances, policies, and procedures, and to the extent that implementation actions may be approved by the City on a case-by-case basis.

**Section 3.** The City Council of the City of Glenwood Springs will evaluate applications and requests for funding, services in-kind, or other material support for the Plan's implementation, such applications and requests to be made in accordance with applicable City policies and procedures, and to be considered on a case-by-case basis with no commitment to specific levels or methods of support to be implied by this Resolution.

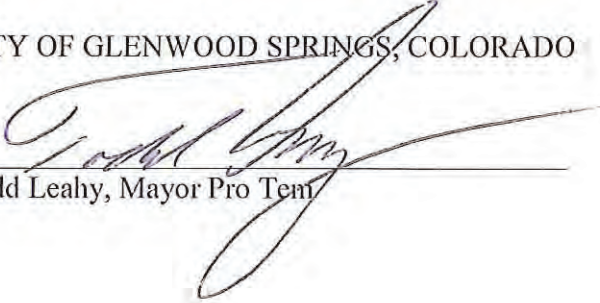
Section 4. The City Council of the City of Glenwood Springs will continue to work cooperatively with the parties to the MOU and, as appropriate, with other local agencies and interests to attempt to identify appropriate, timely, and financially responsible water efficiency measures that are consistent with the City's responsibilities to manage and protect the City's water rights, water quality, and water sources and infrastructure, as well as other City goals related to energy conservation, community land use planning, and public recreation.

INTRODUCED, READ AND PASSED THIS 20<sup>th</sup> DAY OF August,  
2015.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

  
\_\_\_\_\_  
Catherine Mythen, City Clerk

  
\_\_\_\_\_  
Todd Leahy, Mayor Pro Tem

*Ann Green, Deputy*



# SNOWMASS WATER AND SANITATION DISTRICT

## RESOLUTION NO. 2

### SERIES OF 2015

#### A RESOLUTION ENDORSING THE REGIONAL WATER EFFICIENCY PLAN

**WHEREAS**, the Snowmass Water and Sanitation District (the "District") is supportive of wise water management and efficient use of water resources; and

**WHEREAS**, the District is supportive of regional water planning and cooperation between jurisdictions in the realm of water management; and

**WHEREAS**, the District has recently completed and adopted a Water Efficiency Plan for the District; and

**WHEREAS**, the District has also been a participant and funding partner in the Roaring Fork Watershed Regional Water Efficiency Plan; and

**WHEREAS**, the Regional Water Efficiency Plan was authorized and funded through a 2013 Memorandum of Understanding ("2013 MOU") between the Roaring Fork Valley's five municipal water providers (which include the District as well as the Cities of Glenwood Springs and Aspen, and the Towns of Basalt and Carbondale) which outlined the goals, objectives and purposes of the Roaring Fork Watershed Regional Water Efficiency Plan:

**NOW THEREFORE, IT IS RESOLVED BY THE BOARD OF DIRECTORS OF THE SNOWMASS WATER AND SANITATION DISTRICT, THAT:**

**Section 1:** The District hereby acknowledges that the Roaring Fork Regional Water Efficiency Plan as drafted on this date has been produced in conformance with the 2013 MOU, copy attached.

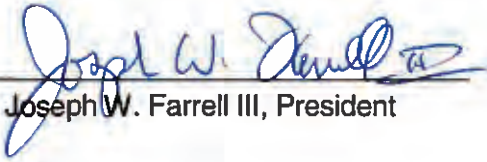
**Section 2:** The District endorses the Regional Water Efficiency Plan as a guidance document to be consulted and implemented by the District to the extent that such implementation is consistent with, and supportive of, District assets, actions, programs, ordinances, policies and procedures, and to the extent that implementation actions may be approved by the District on a case-by-case basis.

**Section 3:** The District will evaluate applications and requests for funding, services in kind, or other material support for the Plan's implementation, such applications and requests to be made in accordance with applicable District policies and procedures, and to be considered on a case-by-case basis with no commitment to specific levels or methods of support to be implied by this Resolution.

**Section 4:** The District will continue to work cooperatively with the Parties to the 2013 MOU, and, as appropriate, with other local agencies and interests to attempt to identify appropriate, timely and financially responsible water efficiency measures that are consistent with the District's responsibilities to manage and protect the District's water rights, water quality, water sources and infrastructure, as well as other District goals.

Read, approved and adopted on 28 August 2015.

SNOWMASS WATER AND SANITATION DISTRICT

By   
Joseph W. Farrell III, President

ATTEST:

  
Michael Shore, Secretary