



Colorado Water Conservation Board

Exhibit A - Water Plan Grant – Statement of Work

Statement Of Work

Prepared Date:	03/31/23
Name of Grantee:	Eagle County Conservation District
Name of Water Project:	Efficient Irrigation System Program
Funding Source:	Colorado Water Plan- Conservation and Land Use Planning

Water Project Overview:

The Efficient Irrigation System program will serve as a catalyst to the Water Efficient Landscape Conversion program, which is a 3-year pilot project funded by the Colorado River District, and provide landscape assessments and irrigation audits, the Qualified Water Efficient Landscape and Landscape Conversion trainings, and an Efficient Irrigation System rebate program.

The Efficient Irrigation System program and rebate funds will provide 60 landscape assessments with irrigation system audits to Water Efficient Landscape Conversion participants. To qualify for a rebate, each participant must perform an assessment with a Water Efficient Landscape Conversion technician to take note of existing conditions and to measure water output, distribution uniformity and irrigation efficiency to recommend system improvements and help develop an irrigation schedule. Once the participant has completed their initial assessment, they can choose to apply for the Efficient Irrigation System rebate. The Efficient Irrigation System rebate will assist landowners to offset the cost of upgrading and implementing a home irrigation system. Lastly, each participant that is awarded rebate funds must also cooperate in a post landscape assessment and irrigation audit to provide measurable results on irrigation improvements and water output.

Overall, the Efficient Irrigation System program provides necessary tools to catalyze behavior change and water efficiency to the Water Efficient Landscape Conversion program and Eagle County. This program has immense local support and aligns with Colorado Water Conservation Board's strategic goals to the Colorado water community and identifies and implements a basin-specific water project that benefits Eagle River water users and improves irrigation system reliability and water conservation through technical and financial assistance.



Project Objectives:

The objective of the Efficient Irrigation System program is to provide 60 Water Efficient Landscape Conversion participants technical assistance and expertise on sustainable landscaping and efficient irrigation systems through landscape assessments and audits over the course of three years. Additionally, the Efficient Irrigation System program will provide financial assistance to 30 Water Efficient Landscape Conversion participants to offset the cost of upgrading a home irrigation system over the course of three years. These objectives will kick start the Water Efficient Landscape Conversion program into measurable action that will save outdoor water consumption.

Tasks

Task 1 – Landscape Assessments

Description of Task:

Each Landscape Assessment will provide an initial consultation with participants to determine the overall goals of the property through a landscape & irrigation audit. The landscape audit will take note of the existing conditions and context of a given area. It will examine hydrozones, plant species, ground cover, soil conditions, and landscape water management to provide recommendations for changes.

They can be performed anytime during an irrigation season, between April 15th and October 15th, and will be administered by an Eagle County Conservation District, Eagle River Watershed Council or Colorado State University Extension Qualified Water Efficient Landscape technician or a contracted Qualified Water Efficient Landscape Landscaper. This assessment will be \$100 per participant and is available to anyone within the Conservation District boundary.

Method/Procedure:

Qualified Water Efficient Landscape Technicians will measure water output, distribution uniformity and irrigation efficiency to suggest system improvements and help develop an irrigation schedule. If a participant chooses to engage in either the Turf Replacement or Efficient Irrigation System rebate program, a post assessment and audit will be performed.

Deliverable:

The Efficient Irrigation System program will provide up to 20 Landscape Assessments per year, with a goal of 60 total over the course of 3 years. Each year an annual summary will be provided that outlines the number of pre- and post-assessments performed.

A final report will be delivered to Colorado Water Conservation Board that includes the total number of assessments performed, including individual reports describing the size of the landscape, the landscape and irrigation audit results, and any recommendations for improvements and upgrades.



Tasks
Task 2 – Landscape Assessment Training
Description of Task: <p>The landscape assessments will be performed by an Efficient Irrigation System technician with a Qualified Water Efficient Landscaper certification. Qualified Water Efficient Landscape is an Environmental Protection Agency WaterSense labeled professional in irrigation system audits. Technicians are trained in efficient irrigation principles and sustainable landscaping practices. Each Efficient Irrigation System technician will attend a Qualified Water Efficient Landscape training course in the spring of 2023 to provide technical expertise at each assessment and audit.</p> <p>The Landscape Assessment training is a 3-day course led by Irrigation Analysis and will be available to the public. A separate, on-site 3-day training course with Irrigation Analysis will take Efficient Irrigation System technicians out to Water Efficient Landscape Conversion participant homes and perform the first round of assessments to gain practical, hands-on auditing experience.</p>
Method/Procedure: <p>Participant fees for the initial 3-day training course are \$20 per person with a capacity of 50 people. The on-site 3-day training will be closed to Efficient Irrigation System program technicians.</p>
Deliverable: <p>Manuals will be provided to each Efficient Irrigation System technician.</p> <p>A summary will be provided in the 6-month progress report and the final report, documenting total workshop costs, number of participants, and number Qualified Water Efficient Landscape certified landscapers available for hire.</p>
Tasks
Task 3 – Efficient Irrigation System Rebate
Description of Task: <p>Once the participant has completed their initial assessment, they can choose to apply for the Efficient Irrigation System rebate. It will fund up to 25% of the overall expenses, with a \$1,000 maximum, to offset the costs of upgrading and implementing a home irrigation system.</p> <p>In order to qualify for the rebate, participants must complete a pre and post landscape assessment, adhere to the criteria and guidelines, and submit an application that will be processed and reviewed by the Conservation District board members and Water Efficient Landscape Conversion staff.</p> <p>The rebate program will correspond with and supplement the Eagle River Water and Sanitation District’s existing rebate program. If participants fall under the Eagle River Water and Sanitation Districts boundaries, applicants will be directed and encouraged to apply for the rebate program through Eagle River Water and Sanitation District.</p>



Method/Procedure:

To receive an Efficient Irrigation System rebate:

- A landscape assessment must be completed by a Qualified Water Efficient Landscape certified Technician prior to applying for a rebate.
- An Efficient Irrigation System rebate application must be submitted to and approved by the Conservation District board members and Water Efficient Landscape Conversion staff members.
- Applications will be processed and reviewed based on water use efficiency and conservation goals and improvements, and the eligibility standards listed below:
- Item(s) must be purchased prior to receiving funds.
- The Smart Irrigation Controller must be Environmental Protection Agency WaterSense-certified
- Smart Irrigation Controllers must be used to replace manually adjusted, timer-based irrigation controllers.
- The Efficient Irrigation System rebate may only be used for equipment and/or irrigation system upgrades and cannot be used for costs associated with landscape design, consultations, or installation services.
- Examples of efficiency improvements include but may not be limited to: replacing old, non-efficient sprinkler heads/bodies with low-flow drip irrigation; replacing pop-up spray heads with low-flow, multi-stream nozzles; installing pressure regulators; implementing low-lying sprinklers; upgrading traditional timed irrigation controllers to “smart” irrigation controllers; installing soil moisture sensors
- Applicants must submit a legible copy of a receipt or invoice which clearly identifies the eligible product(s) with the date of purchase to receive any of these rebates.

Deliverable:

Annually, a summary will outline the number of participants and dollar amount of rebates awarded along with the number of pre- and post- assessments performed.

A final report will be delivered to Colorado Water Conservation Board that includes:

- Total number of assessments performed, including individual reports describing the size of the landscape, the landscape and irrigation audit results, and any recommendations for improvements and upgrades
- Total project number of participants and dollar amount of rebates awarded
- Total quantity of water saved in acre-feet, and estimated annual future savings



Tasks
Task 4 – Project Administration
Description of Task: Eagle County Conservation District staff will provide project administration and oversight. Colorado State University Extension staff will provide staff time to oversee Qualified Water Efficient Landscape assessments and Water Efficient Landscape Conversion staff training.
Method/Procedure: Project Administration Eagle County Conservation District staff will provide project administration and oversight. Colorado State University Extension staff will provide staff time to oversee Qualified Water Efficient Landscape assessments and Water Efficient Landscape Conversion staff training. Eagle County Conservation District will organize trainings, recruit participants, and manage the rebate system. Eagle County Conservation District will submit progress and final reports, invoices, and supplementary materials.
Deliverable: Eagle County Conservation District will organize trainings, recruit participants, and manage the rebate system. Colorado State University Extension staff will provide staff time to oversee Qualified Water Efficient Landscape assessments and Water Efficient Landscape Conversion staff training. Eagle County Conservation District will submit progress and final reports, invoices, and supplementary materials.

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

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



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

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

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

Payment

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

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

Performance Measures

Performance measures for this contract shall include the following:

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

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

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

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