



Last Updated: July 2017

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Supply and Demand Gap Projects
Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation Projects

Gregory.Johnson@state.co.us
Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Mara.MacKillop@state.co.us
Brent.Newman@state.co.us
Linda.Bassi@state.co.us

Applicants interested in submitting an ‘Intent to Apply’ in the future are encouraged to check here ☐ and fill in all sections with the best information available at the time. Exhibits may be excluded.

This “Intent to Apply” will help CWCB prioritize Projects that are not ready for fully completed Water Plan Grant Application due to the initial timeframe and required deadlines.

FINAL SUBMISSION: Submit all application materials to waterplan.grants@state.co.us in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents.

Water Project Summary

Name of Applicant	The Meadows Neighborhood Company	
Name of Water Project	Targeted, Integrated Irrigation Efficiency Improvements and Management and Turf Conversion for Reduced Water Use	
CWP Grant Request Amount		\$66,700
Other Funding Sources	<u>Town of Castle Rock</u>	\$4,000
Other Funding Sources	<u>Irrigation Analysis</u>	\$5,800
Other Funding Sources	<u>MNC in Kind</u>	\$9,450
Applicant Funding Contribution		\$76,850
Total Project Cost		\$162,800

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Applicant & Grantee Information	
Name of Grantee(s)	The Meadows Neighborhood Company
Mailing Address	3570 Celestial Avenue, Castle Rock, CO 80109
FEIN	84-1531190
Organization Contact	Michele Ray-Brethower
Position/Title	Executive Director
Email	mray-brethower@meadowslink.com
Phone	303-814-3952
Grant Management Contact	Bob Howey
Position/Title	Principal
Email	bhowey@irrigationanalysis.com
Phone	303-792-1952
Name of Applicant (if different than grantee)	- same -
Mailing Address	
Position/Title	
Email	
Phone	

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
<p>The Meadows Neighborhood Company is a 4,000-acre, large-scale master planned community located 30 miles from both Denver and Colorado Springs. The community is zoned for 10,869 single-family and multi-family homes, and offers municipal type services such as trash services, snow removal, common area maintenance, open space and streetscape landscaping, parks and tot lots, as well as recreational opportunities for residents, with two community centers with swimming pools within the association. The Meadows has more than 1,100 acres of planned public land and open space dedicated to parks, trails and schools.</p>

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Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
X	Private Incorporated: Mutual ditch companies, homeowner's associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
X	Study
X	Construction (implementation of efficient products)
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check all that apply and include relevant tasks)	
	Supply and Demand Gap - Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap. <i>Applicable Exhibit A Task(s):</i>
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity. <i>Applicable Exhibit A Task(s):</i>
X	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>



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	Other	Explain:
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Location of Water Project

Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.

County/Counties	Douglas County
Latitude	39.4
Longitude	104.9

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.

The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

The intent is to significantly reduce the annual water consumption of MNC, one of the largest water users in the Town of Castle Rock. This efficiency and conservation project directly impacts the Town of Castle Rocks' domestic, potable water supply and targets five larger, high use water meters and targeted areas of high water use landscaping. This projects' integrated water savings approach will identify and correct landscape irrigation inefficiencies to reduce water use by a minimum of 20%. This will be accomplished through a combined integration of often disparate, but essential irrigation aspects: first evaluating and documenting the system efficiency issues, implementing the necessary efficiency repairs and upgrading to higher efficiency products as needed, and then to optimize the ongoing water use with improved system management and oversight. The conversion of turfgrass to lower water use plant materials in targeted areas is also included as part of this program to reduce MNC's water need and use significantly.

Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)

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Measurable Results		
	Length of Stream Restored or Protected (linear feet)	
7.13 Acre-feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
20,000~55,000	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p> <p>This Grant request addresses the CWP values of an efficient and effective water infrastructure (at the end user level in this case) and the critical goal to increase Municipal Conservation and Efficiency. This Grant request encompasses an integrated and comprehensive approach for improved irrigation efficiency and reduced water use with measurable and expected water savings. The Grant also intends to provide education and outreach in sharing of the results and findings with water providers and the greater Colorado landscape community</p> <p>Additionally, This MNC integrated Irrigation Efficiency and Turf Conversion Project grant request to CWCB falls within the Municipal and Industrial - Conservation and Reuse as well as the Education and Outreach priorities within keeping with Plan Element #2 of the SP-BIP to maintain leadership in Conservation and Reuse and implement additional measures to reduce water consumption rates. This project should serve to refine and normalize projected water conservation savings through both passive and active savings. There will be a final report with the documentation of the project water savings results and other projects findings provided to the primary as well as other interested parties. There is also an intention to provide education and outreach to the Meadows and Castle Rock communities and specifically within the greater Colorado landscape industry through the Associated Landscape Contractors of Colorado (ALCC) as well as other possible interested venues and avenues.</p> <p>Similar to and as mentioned above in the MRT Priorities, this grant will serve to fulfill: Plan Element #2 Maintain leadership in conservation and re-use as well as #9 Utilize effective communications and outreach to the local and regional water providers, larger water users, and the landscaping industry.</p>

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Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

None at this time

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

None prior by Grantee/Applicant

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

None

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Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
	Statement of Work ⁽¹⁾
	Budget & Schedule ⁽¹⁾
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
	Letters of Support (Support letter from Basin Roundtable encouraged)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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Colorado Water Conservation Board	
Water Plan Grant - Exhibit A	

Statement Of Work	
Date:	February 01, 2018
Name of Applicant:	The Meadows Neighborhood Company
Name of Water Project:	Targeted, Integrated Irrigation Efficiency Improvements and Management and Turf Conversion for Reduced Water Use
Funding Source:	Collaboration of Private funds and Grant funds
<p>Water Project Overview: Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.</p> <p>This project directly impacts the Town of Castle Rocks domestic, potable water supply and targets five individual meters of 2" size or larger. The intent is to reduce the annual water consumption of MNC, one of the largest water users in the Town of Castle Rock, by identifying inefficient landscape irrigation issues and creating and implementing a cohesive, cost effective plan to reduce water use by a minimum of 20%. This will be accomplished through a combined integration of often disparate aspects: first evaluating and documenting the system efficiency issues, implementing the necessary efficiency repairs and upgrading to higher efficiency products as needed, and then to improve on and optimize the ongoing water use with improved system management and oversight. The conversion of turfgrass to lower water use plant materials in targeted areas to reduce the overall water use significantly is also included as part of this program. To be of value to as many interested Colorado stakeholders and parties as possible, the project information, water savings results and analysis' will be shared via a published series of progress reports and a final project report as well as through planned articles and presentations.</p>	
<p>Objectives: List the objectives of the project.</p> <ol style="list-style-type: none"> 1. To reduce outdoor water use in the Meadows Neighborhood HOA by a minimum of 20% or 7.13 acre feet annually in targeted neighborhoods. 2. Track and provide accessible data confirming methodology for reducing outdoor water use. 	

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Tasks	
Provide a detailed description of each project task using the following format:	
Task 1 – [Name] Efficiency Evaluation Audit and Implementation	
Description of Task:	
Task 1 includes a detailed efficiency evaluation audit of up to 250 stations/zones and data collection for recommended efficiency upgrades and implementation. The installation of flow sensors and master valves will be provided for five individual meters.	
Method/Procedure:	
<ul style="list-style-type: none"> • Provide a detailed Efficiency Evaluation Report for each controller. • Identify and communicate any deferred, pre-existing repairs • Installation of flow sensors and master valves at five meter locations • Identifying and repair/replace lateral line leaks and broken heads • Identifying sprinkler head and nozzle types. • Identifying plant materials type for each zone • Retrofitting all traditional spray nozzles to new High Efficiency nozzles • Install pressure regulation if/as necessary • Raising existing heads to proper grade • Track and quantify water usage and savings before and after implementation 	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
The Grantee will receive a more efficient operating irrigation system resulting in significant water savings	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
The Grantee will provide documentation of water use history prior the efficiency upgrade implementation, and comparison with post installation water use indicating the water use reduction.	

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Tasks
Provide a detailed description of each task using the following format:
Task 2 – Remote System Monitoring and Water Management
Description of Task:
This Task includes regular, frequent management and oversight of the irrigation schedule programming, and 2) ongoing remote monitoring of any systems alarms and alerts and communication with the company that is already responsible for managing and maintaining the system.
Method/Procedure:
Provide: 1) regular, frequent management and oversight of the irrigation schedule programming, and 2) ongoing remote monitoring of any systems alarms and alerts and communication with the company that is already responsible for managing and maintaining the system. The oversight management of the programming includes: a one time scheduling review and modifications of the defined controller station data, verification of zone type and specifics related to the run times of the zones for each irrigation station/zone, based on data collected in Task 1, the weekly review of the irrigation schedule and making adjustments based on weather conditions for each non-smart, traditional controller.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
<p>The deliverables for Task #2 include:</p> <ul style="list-style-type: none"> • Daily review of smart controller status and alerts with response, as needed. • Initial review and programming of six targeted controllers • Weekly scheduling review of controllers • Bi-weekly site review and verification of targeted areas • Tracking of water use, a minimum of twice monthly during the season • Co-Management with the Landscape Maintenance Company for a cohesive Management plan
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
The CWCB will receive periodic qualitative reports indicating what successes and/or obstacles were encountered during the Remote System Management and the responses that were administered to enhance and achieve the targeted water savings.

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Tasks
Provide a detailed description of each task using the following format:
Task 3 – Turf Conversion Program
Description of Task:
<p>In this task, the MNC will define approximately 50,000 square feet of high water use turf for conversion to low water use native grass or to mulched low water use shrub beds. We are currently figuring on 50% (25,000 sq.ft. of each - native and mulched shrub area). These targeted turf conversion areas are expected to be in both high profile, high visibility areas as well as in lesser used or seen areas, though the final areas will be selected by MNC. The irrigation systems in these areas will be retrofitted for the new mulch and shrub landscaping and will likely be completely shut off to the native grass areas following establishment (or possibly sooner)</p>
Method/Procedure:
<p>MNC and Irrigation Analysis, in coordination with the Town of Castle Rock, will create a method and specification detail for the proper replacement and/or conversion of turfgrass. The contractor for the turf conversion will be educated and informed on the proper and expected methods per the approved plans and the Town of Castle Rock Standards.</p>
Grantee Deliverable: Describe the deliverable the grantee expects from this task
<p>The deliverables for Task #3 include:</p> <ul style="list-style-type: none"> • Provide Design templates for typical areas of shrub beds and native grass areas • Confirm approved methods for Turf Conversion with the Town of Castle Rock • Project Management and Inspections of Turf and Irrigation Conversion Work • Public outreach, communication, and explanation of the plan and program for Turf Conversion to the residents of MNC and the Town of Castle Rock.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
<p>The CWCB will receive supporting documentation regarding the water savings from the turf conversion program, describing the type of conversion (to native seeded areas or shrub beds with rock mulch) and comparison to historical use.</p>

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Tasks
Provide a detailed description of each task using the following format:
Task 4 – Quantitative Water Use Reduction Reporting
Description of Task:
<ul style="list-style-type: none"> • Gather the current water allocation and prior water usage information for each targeted MNC irrigation meter and turf reduction areas. • Track and document current water usage for all of the targeted work areas: Highest Usage Meters and Turf Reduction areas. • Prepare comparison charts for analysis of water • Project Updates - twice per season, i.e. mid season and end of season-TBD. Report on the Project with data, analysis, findings, and comments in each of the five (5) targeted, high use meters and meters with turf reductions. • Provide a Final Project Report with cumulative project data, reporting, and analysis
Method/Procedure:
Create a water use tracking mechanism and input water use data as it is collected monthly as provided by the MNC and the Town of Castle Rock.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
Task 4's deliverable for the Grantee includes improved areas of landscape with significantly reduced water use and documentation regarding the cost per square foot of converted turf along with water savings.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
The deliverable for the CWCB includes water meter data collection and reporting. The MNC anticipates that this task will include one project update in 2018, two project updates in 2019, and one project update in 2020 with a Final Project report to be completed by December 31, 2020.

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Budget and Schedule

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

Reporting Requirements

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

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 withhold disbursement the last 10% of the budget until 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.

Colorado Water Conservation Board						
Water Plan Grant - Exhibit B						
Budget and Schedule						
Date: February 01, 2018						
Name of Applicant: The Meadows Neighborhood Company						
Name of Water Project: The Meadows Water Conservation and Efficiency Improvements						
Task No.	Task Description	Start Date	End Date	Grant Fundin	Match Funding	Total
1	Efficiency Evaluation Audit and Implementation	July 15, 2018	October 15, 2018	\$27,200.00	\$43,575	\$70,775
2	Remote System Monitoring and Water Management	April 1, 2019	November 1, 2020	\$3,000.00	\$4,950	\$7,950
3	Turf Reduction Program	July 15, 2018	April 30, 2019	\$33,000.00	\$42,300	\$75,300
4	Quantitative Water Use Reduction Reporting	August 1, 2018	December 31, 2020	\$3,500.00	\$5,275	\$8,775
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
					\$0	\$0
Total				\$66,700	\$96,100	\$162,800

The Meadows 2018 Irrigation Efficiency Evaluation/Upgrade and Turf Reduction Grant Request

Table 1

Task 1 - Efficiency Evaluation Audit and Implementation in Targeted Areas

Line Item	Description of Task	Total	Grantee/MNC Funds	CWCB Request	TOCR/Utility Funds	Grantee/MNC In-Kind*	IA In-Kind	TOCR/In-Kind	Project Totals
	Provide Efficiency Evaluation Audits for 6 controllers on 5 meters and up to								
1.1	250 total stations/zones	\$6,375.00							
1.2	Prepare report and action plan from audit results	\$2,250.00							
1.3	Review historical water use data and compile into comparison charts	\$1,500.00							
1.4	Implementation-Efficiency Upgrades (projected upgrade work per zone)	\$41,750.00							
1.5	Inspections & Management of Efficiency Upgrades	\$1,800.00							
1.6	Install new master valve and flow sensors on all 5 existing meters	\$6,750.00							
1.7	Install new master valve and flow sensors on all 5 existing meters - wireless	\$10,350.00							
Task 1 Total		\$70,775.00	\$32,000.00	\$27,200.00	\$2,000.00	\$3,775.00	\$4,300.00	\$1,500.00	\$70,775.00

Task 2 - Water Management and Remote Monitoring: 6 controllers - 26 weeks for Targeted Areas

Line Item	Description of Task	Total	Grantee/MNC Funds	CWCB Request	TOCR/Utility Funds	Grantee/MNC In-Kind*	IA In-Kind	TOCR/In-Kind	Project Totals
2.1	Initial Programming Review	\$675.00							
2.2	Daily Alert Monitoring & Communication with Contractor(May to Oct)180x	\$3,375.00							
2.3	Weekly Programming Oversight & Communications with Contractor (May to Oct)	\$1,950.00							
2.4	Every Other Week Site Visits - Visual Inspections (May to Oct)	\$1,950.00							
Task 2 Total		\$7,950.00	\$3,450.00	\$3,000.00		\$500.00	\$500.00	\$500.00	\$7,950.00

Task 3 - Targeted Turf Conversion Program (+/- 50,000 sq.ft.)

Line Item	Description of Task	Total	Grantee/MNC Funds	CWCB Request	TOCR/Utility Funds	Grantee/MNC In-Kind*	IA In-Kind	TOCR/In-Kind	Project Totals
3.1	Design: Templates (4-5) for Repeatable Shrub Beds & Native Area	\$6,000.00							
3.2	Spray out existing turf - 2x, leave sod in place	\$5,000.00							
	Turf conversion: Rock/Shrub/Irrigation for 50% and Native turf 50% of area								
3.3	Installation of typical rock mulch with weed barrier and prep edges	\$27,500.00							
3.4	Installation of shrubs - #5 deciduous, 1 per 100 sq.ft. in rock areas	\$13,750.00							
3.5	Modification of irrigation for shrubs/drip	\$12,500.00							
3.6	Installation of native seed mix - drill seed or hydroseed, ltd. sod removal	\$5,000.00							
3.7	Inspections & Management of Turf Conversion: Design/RFP/Project	\$5,550.00							
Task 3 Total		\$75,300.00	\$37,400.00	\$33,000.00		\$4,400.00	\$500.00		\$75,300.00

Task 4 - Monitoring, Data Collection, Reporting, and Outreach - 2 Yr

Line Item	Description of Task	Total	Grantee/MNC Funds	CWCB Request	TOCR/Utility Funds	Grantee/MNC In-Kind*	IA In-Kind	TOCR/In-Kind	Project Totals
4.1	Tasks-Water use data collection, tracking&update comparison charts-2Yrs	\$2,700.00							
4.2	Tasks-Efficiency Upgrade Reporting, 4x = twice yearly + Final Report	\$3,150.00							
4.3	Tasks- Outreach - 4 Presentations/Publication - Powerpoint	\$2,925.00							
Task 4 Total		\$8,775.00	\$4,000.00	\$3,500.00		\$775.00	\$500.00		\$8,775.00

Total Project Cost

\$162,800.00

Project Cost Summary

	Grantee/MNC Funds	CWCB Request	TOCR/Utility Funds	Grantee/MNC In-Kind*	IA In-Kind	TOCR/In-Kind	Total Project Cost
Task 1 Totals	\$70,775.00	\$32,000.00	\$27,200.00	\$2,000.00	\$3,775.00	\$4,300.00	\$70,775.00
Task 2 Totals	\$7,950.00	\$3,450.00	\$3,000.00		\$500.00	\$500.00	\$7,950.00
Task 3 Totals	\$75,300.00	\$37,400.00	\$33,000.00		\$4,400.00	\$500.00	\$75,300.00
Task 4 Totals	\$8,775.00	\$4,000.00	\$3,500.00		\$775.00	\$500.00	\$8,775.00
Combined Tasks 1-4 Totals	\$162,800.00	\$76,850.00	\$66,700.00	\$2,000.00	\$9,450.00	\$5,800.00	\$162,800.00

*inc. \$4,400/yr (for 1 year) reduced maintenance, does not include reduced water cost savings

*inc. \$5,050 of direct project related admin/mgmt support and time

January 29, 2018

Colorado Water Conservation Board
c/o Kevin Reidy, Water Conservation Technical Specialist
1313 Sherman Street, Suite 721
Denver, Colorado 80203

Dear Honorable CWCB Board and Staff:

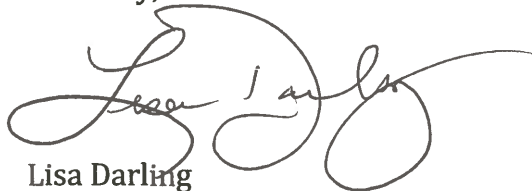
On behalf of the South Metro Water Supply Authority (SMWSA), I wanted to provide support and endorsement of the CWCB Water Plan Grant application "Conservation for The Meadows Neighborhood Company Irrigation Efficiency Evaluation, Upgrade, and Management and Turf Reduction Grant."

The Meadows Neighborhood common landscape is a very significant water user within the Town of Castle Rock, one of SMWSA's members. The project work identified within this grant submittal will seek to improve the efficiency of The Meadows irrigation system and is expected to demonstrate a greater than 20% water use reduction in the initially targeted, highest use landscape areas.

SMWSA's members have been leaders in conservation efforts since the Authority's formation in 2004. Since that time, South Metro participating communities have reduced per capita water demands by over 30%. The Authority and its members continue to work on innovative efficiencies through its Conservation Subcommittee and has developed programs such as a pilot Landscape Certification Program for use by member providers. Information that can be developed and shared through this grant, if successful, will add additional data and resources for the use of all in the development of future conservation and efficiency programs.

South Metro communities appreciate and value the CWCB's support of water conservation and efficiency programs, and we look forward to continuing to work together to make the best use of our water for future Coloradans.

Sincerely,



Lisa Darling
Executive Director



1660 S. Albion St., #831, Denver, CO 80222 303 757-5611 fax 303 757-5636 www.alcc.com

January 30, 2018

TO: Grant Review Board

RE: Colorado Water Plan Grant for Conservation
The Meadows Neighborhood Company, Castle Rock, CO

I am writing to provide ALCC's support for the grant proposal from Irrigation Analysis toward a comprehensive process to reduce water use by the Meadows Neighborhood in Castle Rock. As an organization, we support many efforts to promote water conservation and especially, to eliminate waste of Colorado's most precious natural resource.

The proposed Efficiency Evaluation followed by repairs and system upgrades are consistent with best practices for identifying and dealing with irrigation inefficiency and water waste.

As an industry organization, we would be very interested to learn the outcomes of this extensive undertaking because it involves such a large property and we see it as a future educational opportunity for our members.

Thank you for giving this project your utmost consideration.

Sincerely,



John McMahon
Executive Director



January 26, 2018

Colorado Water Conservation Board
1313 Sherman Street
Denver, CO 80203

Dear CWCB Board and Staff:

Castle Rock Water acknowledges our support for, and endorsement of, the Colorado Water Conservation Board (CWCB) Water Plan Grant application – Conservation for The Meadows Neighborhood Company Irrigation Efficiency Evaluation, and Turf Reduction Grant.

The Meadows Neighborhood Company (MNC), as the largest HOA in Castle Rock, consistently ranks high on the list of largest water users within the Town. In 2016 they were ranked the number two water user in Town with total consumption of 39,431,000 gallons. In 2017 they were ranked number three, with total consumption of 33,528,000 gallons. The project work identified within this grant submittal looks to improve the efficiency of The Meadows irrigation system and is expected to document and demonstrate a 20% or greater water use reduction in the initially targeted, highest use landscape areas. If the 20% reduction is achieved in the initial phase of implementation, and can be expanded to all irrigation accounts under MNC management, that would result in a reduction of 7,295,900 gallons (average of 36,479,500 gallons used annually over the last two years, minus 20% = 7,295,900 gallons) Water conservation plans can be a daunting task, and this grant would benefit the Association in being one of the first in Castle Rock to attempt water use reductions with an aggressive five year strategic plan.

I have met with The Meadows Neighborhood Company Board of Governors and management staff and they are dedicated to adopting a strategic water conservation plan for sustainable results. Castle Rock Water staff is dedicated and has partnered with The Meadows management staff to ensure success in their water conservation endeavors.

The Meadows Neighborhood Company is looking to start the adopted “smartscape” and water conservation plan in the spring 2018 and once proven and shown to save water, the intent will be to roll this out to other areas within The Meadows. As the results and savings data are compiled each season, these will be shared via a mid-season Project Update and end of season Project Report with findings, data, and both quantitative and qualitative results and comments. We hope to use The Meadows Neighborhood Company water conservation model to assist other businesses and homeowners associations to implement cost saving water conservation methods as well.

We appreciate and value the State of Colorado and CWCB’s support of water conservation and efficiency programs!

Sincerely,

Mark Marlowe
Director of Castle Rock Water

CASTLE ROCK DEVELOPMENT COMPANY

Dear CWCB Board and Staff:

On behalf of The Meadows Neighborhood Company in Castle Rock, Castle Rock Development Company would like to offer our support for and endorsement of the CWCB Water Plan Grant – Conservation for The Meadows Neighborhood Company Irrigation Efficiency Evaluation, and Turf Reduction Grant.

Due to the size of the Community, The Meadows landscape is one of largest water users within the Town of Castle Rock. The project work identified within this grant submittal will focus on both long term and immediate improvements. This solution improves the efficiency of The Meadows irrigation system, its management of the system, and identifies potential areas of turf reduction to further reduce the Community's water use.

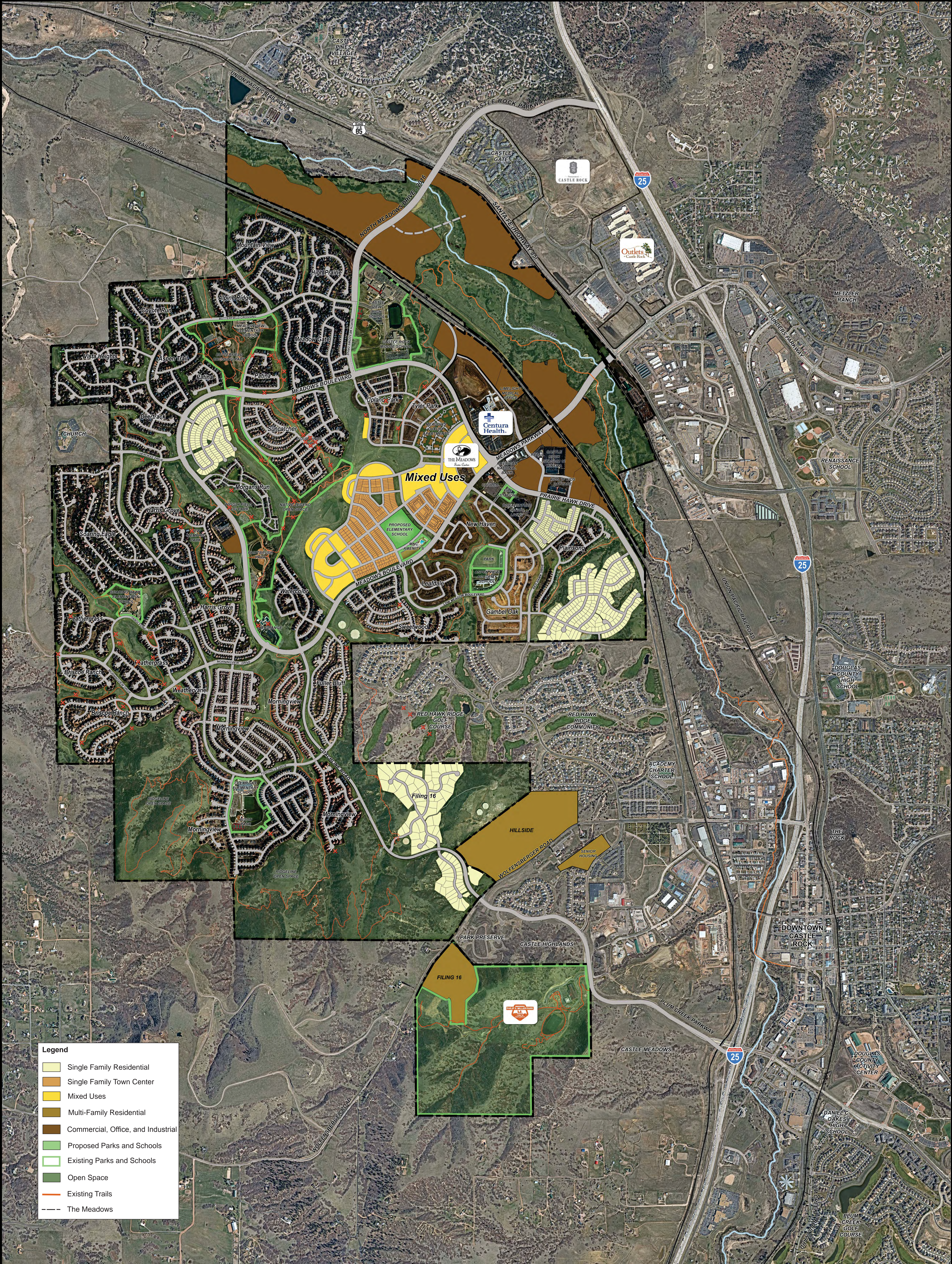
The Meadows Neighborhood Board of Governors and management staff are dedicated to adopting a strategic water conservation plan for sustainable results. The goal is a five year strategic plan to address all the potential areas that would meet the criteria established for the water conservation plan. In support of this commitment by the Board of Governors, Castle Rock Development Company has implemented new low water use strategies at the planning stage for many new areas within The Meadows. For example, the design of new neighborhood pocket parks with large synthetic turf play areas rather than irrigated turf areas, the use of low water plant materials in roadway medians and tree lawns adjacent to high volume traffic areas, and the elimination of Kentucky Blue Grass in areas where turf is necessary.

We appreciate and value the State of Colorado and CWCB's support of water conservation and efficiency programs!

Sincerely,

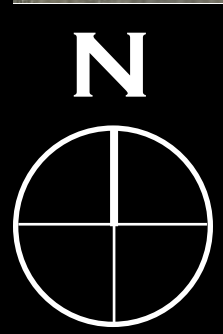


Stephanie L. McCandless
President
Castle Rock Development Company



Legend

- Single Family Residential
- Single Family Town Center
- Mixed Uses
- Multi-Family Residential
- Commercial, Office, and Industrial
- Proposed Parks and Schools
- Existing Parks and Schools
- Open Space
- Existing Trails
- The Meadows

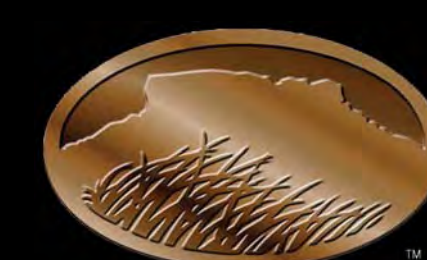


March 2016

Information depicted is conceptual only and subject to change

COMMUNITY PLAN

Not To Scale



THE MEADOWS
At Historic Castle Rock

February 9, 2018

Colorado Water Conservation Board
- Water Plan Grant: Conservation
1313 Sherman St. Room # 708
Denver, CO 80203

RE: Metro Roundtable Support of the CWCB Water Plan Conservation Grant
for The Meadows project

Dear CWCB:

The Metro Roundtable (MRT) has reviewed and was presented with an overview of the current CWCB Water Plan – Water Conservation Grant request for The Meadows (MNC) in Castle Rock, CO. This integrated, holistic project to improve the irrigation efficiency and then manage the irrigation system along with turf reduction by a major water user (MNC) is encouraging. We/the MRT are very interested in the hoped for outcome and the example that it can be to other large and small water users in the area and across the State.

The MRT endorses and supports this Grant Request as it supports our Priorities with respect to encouraging and supporting water conservation and communication: education/outreach. These also are in keeping with the South Platte Basin -Implementation Plan - Elements #2 and #9. We hope that CWCB will also support this Project with the requested Grant funding.

Please contact me/us if you have any questions.

Sincerely,

/s/ Barbara Biggs

Barbara J. Biggs
Chair, Metro Roundtable