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## 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  
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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](mailto: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	Northwest Colorado Council of Governments, by and through its Water Quality/ Quantity Committee	
Name of Water Project	Water savings measures in land use codes in the headwaters	
CWP Grant Request Amount	\$ 25,500	
Other Funding Sources <u>local government contrib.</u>	\$ 12,500	
Other Funding Sources <u>WSRF basin grant</u>	\$ 5,000	
Other Funding Sources _____		
Applicant Funding Contribution	\$ 31,500	
Total Project Cost	\$ 74,500	

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Applicant & Grantee Information	
Name of Grantee(s)	Northwest Colorado Council of Governments
Mailing Address	PO Box 2308, Silverthorne, CO 80498
FEIN	84-0639906
Organization Contact	Torie Jarvis
Position/Title	Co-Director, Water Quality/ Quantity Committee
Email	<a href="mailto:qqwater@nwccog.org">qqwater@nwccog.org</a>
Phone	970-596-5039
Grant Management Contact	Jon Stavney
Position/Title	Executive Director
Email	<a href="mailto:jstavney@nwccog.org">jstavney@nwccog.org</a>
Phone	970-468-0295
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
<p>Northwest Colorado Council of Governments (NWCCOG) is a voluntary association of county and municipal governments in Grand, Summit, Eagle and Pitkin counties. The NWCCOG Water Quality and Quantity Committee (QQ) comprises municipalities, counties, water and sanitation districts, and conservancy districts, in the region and in Park and Gunnison Counties. QQ augments efforts of member jurisdictions to protect and enhance the region's water quality while encouraging its responsible use. This includes work to better integrate land use and water planning throughout the headwaters region and on a statewide level, where QQ was heavily involved in the development of Colorado's Water Plan.</p>

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Type of Eligible Entity (check one)	
X	<b>Public (Government):</b> 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.
	<b>Public (Districts):</b> Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	<b>Private Incorporated:</b> Mutual ditch companies, homeowners associations, corporations.
	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> Private parties may be eligible for funding.
	<b>Non-governmental organizations (NGO):</b> Organization that is not part of the government and is non-profit in nature.
	<b>Covered Entity:</b> As defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a> .

Type of Water Project (check all that apply)	
X	Study
	Construction
	Identified Projects and Processes (IPP)
X	Other- technical assistance to implement study in local governments

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> Tasks 1-4
	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>
X	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i> Tasks 1, 2, and 4.

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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 <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Grand, Summit, Pitkin, Eagle, Park, Gunnison counties, Carbondale, Steamboat Springs
Latitude	n/a
Longitude	n/a

Water Project Overview
<p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p>

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## Water Project Overview

QQ proposes a three-part project to:

- 1) assess existing water savings and water quality measures in land use codes in the QQ region,
- 2) develop model performance standards for water savings, tailored to the rural headwaters nature of the QQ region, and
- 3) provide technical assistance to integrate the model standards into up to five communities in the QQ region.

While significant project costs will be borne by QQ through the work of their contract staff, CWCB funding will allow for additional funding for development of the model code, attorney review, to match costs for a legal intern to research existing codes in the QQ region, and to offset some expense borne by the local governments receiving technical assistance to better integrate water savings into their land use code. The project benefits communities in the headwaters of the Colorado, Yampa, Gunnison and South Platte basins through their membership to QQ, and will have statewide benefit as a replicable model for other communities.

## 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)
	Length of Stream Restored or Protected (linear 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
149, 143 (some may already be impacted but requires an assessment to see who is covered already)	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
	Number of Coloradans Impacted by Engagement Activity

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Measurable Results		
	Other	Explain:

### Water Project Justification

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).

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;)

**QQ's proposed project meeting the grant criteria for the Water Plan grant, as provided in the Grant Application Guidelines.**

**Does the project reduce overall future water needs through cost-effective water efficiency measures?** The project will help local governments better evaluate adequate water supplies for proposed development projects and to better review and required water savings measures for future development. Instituting local regulation that address water savings is cost-effective, especially for developers, who understand the regulations and what's required of them from the very early stages of project development.

**Does the project integrate water efficiency planning and projects into overall water resource management?** Yes, the heart of the project is in integrating water efficiency planning to local government regulation. While this effort does not incorporate the water provider, having strong water savings measures in local land use codes means water efficiency is inherently part of development and water resource management.

**Does the project promote a water efficiency ethic throughout Colorado?** Yes, in addition to providing resources to QQ member local governments, the inventory of land use measures addressing water quality and water savings and the model water savings performance standards will be scaleable and replicable throughout Colorado, and QQ members want to serve as an example and work to promote similar efforts around the State.

**Does the project explore additional water reuse options?** Options for water reuse requirements in land use codes will be one of the topics researched and potentially included in the model water savings performance measures. The inventory of QQ local governments will also show whether and to what extent local governments already required reuse when approving development.

**Does the project integrate land use and water planning?** Yes, this project working directly to develop an understanding of what water savings measures local governments in the QQ region already employ in their land use codes and offers direct technical assistance and model code resources to continue to integrate land use and water planning.

**Does the project advance conservation planning efforts?** Yes, by better integrating water savings measures into land use codes, ideally the water provider and local government

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## Water Project Justification

planning bodies will better communicate and work together, helping the water provider better advance conservation efforts.

**Does the project advance drought mitigation planning efforts?** Yes, many water savings and water quality performance standards also address drought mitigation, such as riparian setbacks, landscaping and post-construction revegetation requirements, water quality or wetlands protection and monitoring requirements for impacts to rivers for industrial development, and special permitting considerations for development in wildfire and other geologic hazard areas.

**Does the project reduce impacts and prepare for the impacts of climate change?** Yes, similarly to incorporating drought mitigation measures, the model water savings standards will consider climate change impacts, and in particular the occurrence of stronger storm events, through standards that address erosion and sediment transfer control, stormwater control, construction in hazardous and flood-prone areas, and the protection of sensitive areas.

**QQ's proposed project supports a central goal of Colorado's Water Plan, namely that 75% of Coloradans will live in communities that have incorporated water-saving actions into land-use planning (see Ch. 6.3.3).** The project addresses several important components of this goal. First, the inventory of existing land use measures that address water savings and water quality will help in identifying how many Coloradans currently live in communities with water savings measures in their land use codes. Secondly, the project will develop a model code that will make incorporating such measures easier for communities in the QQ region and around the State. Finally, with technical assistance, five communities in the QQ region will incorporate or strengthen water savings measures in their land use codes, getting the State closer to its goal of 75% and setting an example for other communities around the State.

**QQ's proposed project meets and exceeds the project criteria described in the Water Plan:**

**Does the project proponent demonstrate a commitment to collaboration?** QQ is a collaborative model, with local governments sharing resources, advice, and working as a group to protect water quality. Similarly, this project will operate through collaboration, with multiple jurisdictions sharing their experiences to create the model water savings performance standards, with opportunities for member jurisdictions to comment and integrate ideas at every step. QQ also looks at local government regulation outside of the QQ region and even outside of the state in creating the model standards to ensure the model reflects current best practices.

**Does the project proponent address an identified water gap?** The project addresses water gaps and water conservation by evaluating what water savings measures currently exist in the QQ region and developing model water savings performance standards that can assist communities in reducing water demands, employing no-and-low regrets strategies. The project will also serve as a model for communities around the state to conduct similar inventories and borrow from the QQ model standards.

**Does the project proponent demonstrate sustainability?** The project will ensure that future development and water projects, permitted in QQ local jurisdictions, employ sustainable practices that meet the local performance standards. For example, the model code will provide landscaping requirements, adequate stream buffer recommendations, model water restrictions, monitoring and mitigation requirements, and examples of water conservation plans through conservancy districts. The project will also provide technical support to begin integrating elements from the model standards into local land use codes in the QQ region. These performance standards help ensure local permitted development does not adversely affect



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### Water Project Justification

recreational and tourism amenities in the community, employs adequate mitigation and monitoring, maximizes available water supplies, and protects water quality.

**Does the project proponent establish the fiscal and technical feasibility of the project?**

QQ member dues will pay for a substantial amount of the project, as this project is directly in line with ongoing work of QQ. QQ has been doing this type of work for many years. Most recently, with DOLA support, QQ has been developing model water quality performance standards for local governments, and so understanding the technical and financial challenges in taking on such a project. The project is scheduled to be completed in November of 2017. The local governments who receive technical assistances to integrate the model standards into their land use plans will contribute match CWCB funding for that technical assistance. In these ways, the project is fiscally and technically feasible.

**The project addresses goals from the Colorado Basin Implementation Plan.** The project will directly address two of the seven priorities outlined in the Colorado BIP: 1) encourage a high level of basinwide conservation, and 2) develop local water-conscious land use strategies. A letter of support from the Colorado Basin Roundtable confirms that this project will support the Roundtable's priorities from their BIP.

**The project addresses goals from SWSI 2010.** One of SWSI 2010's recommendations was to support local water supply planning, observing that local land use planning and water supply planning can and should be better linked. This project directly addresses this recommendation.

### 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.

QQ received project funding under the 2016-2016 Department of Local Affairs Energy/ Mineral Impact Assistance Fund Grant to develop model water quality performance standards for the QQ region. The project proposed through this Water Plan grant is a complimentary effort which will produce a model for water savings performance standards, along with technical assistance and an inventory of existing local regulations relating to water quality and water savings measures.

### 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.

One previous CWCB grant:

- 1) NWCCOG;
- 2) Two water activities identified in grant application: Study or analysis of nonstructural project or activity, and study or analysis of nonconsumptive project or activity;
- 3) Colorado Basin Roundtable;
- 4) March 17, 2009;
- 5) Original contract CLIN # 00128; amendment CMS # 32359 (amendment changed the completion date from July 1, 2011 to Aug 31, 2011);
- 6) No additional CWCB funds.



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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.	

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

(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	
<b>Date:</b>	October 1, 2017
<b>Name of Applicant:</b>	Northwest Colorado Council of Governments on behalf of its Water Quality/ Quantity Committee (QQ)
<b>Name of Water Project:</b>	Water savings measures in land use codes in the headwaters region
<b>Funding Source:</b>	Conservation and Land Use Project Grants
<p><b>Water Project Overview:</b> 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>QQ proposes a three-part project to:</p> <ol style="list-style-type: none"> <li>1) assess existing water savings and water quality measures in land use codes in the QQ region,</li> <li>2) develop model performance standards for water savings, tailored to the rural headwaters nature of the QQ region, and</li> <li>3) provide technical assistance to integrate the model standards into up to five communities in the QQ region.</li> </ol> <p>While significant project costs will be borne by QQ through the work of their contract staff, CWCB funding will allow for additional funding for development of the model code, attorney review, to match costs for a legal intern to research existing codes in the QQ region, and to offset some expense borne by the local governments receiving technical assistance to better integrate water savings into their land use code. The project benefits communities in the headwaters of the Colorado, Yampa, Gunnison and South Platte basins through their membership to QQ, and will have statewide benefit as a replicable model for other communities.</p>	
<p><b>Objectives:</b> List the objectives of the project.</p> <p>The objective of the project is to assist local governments in implementing water savings and water quality measures in land use codes, and more specifically to:</p> <ul style="list-style-type: none"> <li>- Document and better understand how local governments in the QQ region currently implement water savings and water quality measures in their land use codes.</li> <li>- Create a replicable set of tools that can be used in other communities around Colorado to assess and implement water savings and water quality measures, including a template for inventorying existing standards and a model water savings code.</li> <li>- Assist QQ local governments in instituting water savings measures in land use codes.</li> </ul>	

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Tasks	
Provide a detailed description of each project task using the following format:	
<b>Task 1 – Inventory Template</b>	
Description of Task:	
<p>QQ, with legal and technical assistance, will develop template of standards in land use codes relating to both water savings and water quality.</p>	
Method/Procedure:	
<p>In coordination with local governments, NGO's working in this area, the CWCB, and DOLA, the following procedures will be completed:</p> <ul style="list-style-type: none"> <li>- Develop list of water savings and water quality standards recommended in CWC/ DOLA "Breaking Down Silos" trainings to transfer to inventory template.</li> <li>- Research and maintain list of existing water savings and water quality measures in QQ region land use codes.</li> <li>- Research and maintain list of water savings and water quality measures instituted by various local governments around the Interior West considered leaders in these areas and with comparable climates (e.g., Lake Tahoe, Jackson Hole, Tucson, Westminster, Salt Lake City, Denver).</li> <li>- Develop two versions of the inventory template: one to be used to inventory QQ community regulations and one more general one to be used by other local governments.</li> </ul>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
Inventory template that is ready for Task 2.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
Inventory template in more general form for dissemination.	

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<b>Task 2 – Inventory existing water savings and water quality standards</b>
Description of Task:
<p>QQ, with legal and technical assistance, will complete an inventory and develop a white paper assessing results of inventory.</p>
Method/Procedure:
<p>In coordination with QQ local governments, the following procedures will be completed:</p> <ul style="list-style-type: none"> <li>- Research and document existing water savings and water quality measures in the land use codes of QQ's 28 member counties and municipalities.</li> <li>- Produce white paper with observation of the results of the inventory (including strengths and weaknesses regionally, surprising results, and where QQ might focus its further to best assist its member local governments).</li> </ul>
Grantee Deliverable: Describe the deliverable the grantee expects from this task
<ol style="list-style-type: none"> <li>1. Completed inventory of water savings and water quality standards in the land use codes of QQ local governments.</li> <li>2. White paper analysis of the inventory.</li> </ol>
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
<p>White paper analysis and summary of inventory with observations that could be helpful for other local governments around the state.</p>

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<b>Task 3 – Model water savings performance standards</b>	
Description of Task:	
<p>In coordination with local governments, NGO's working in this area, the CWCB, and DOLA, QQ will develop model water savings performance standards that local governments can integrate into their land use codes.</p>	
Method/Procedure:	
<p>In coordination with QQ local governments, the following procedures will be completed:</p> <ul style="list-style-type: none"> <li>- Utilize earlier research and conduct additional research on the most effective water savings measures in the land use codes of QQ member jurisdictions as well as local governments around the Interior West considered leaders in these areas and with comparable climates. This effort will utilize lessons learned and benefit from much formatting and development work already-completed by QQ in developing model water quality performance standards in 2017.</li> <li>- Develop model waters savings performances standards to be utilized by local governments in the QQ region and throughout Colorado. We expect these standards to be particularly useful in rural and mountain communities.</li> <li>- Include introductory instructions on the water savings performance standards, how they might be integrated into land use codes, and how they relate to other elements of land use codes.</li> </ul>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
Completed model water savings performance standards, including introductory materials.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
Completed model water savings performance standards, including introductory materials.	

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<b>Task 4 – Technical support to integrate water savings measures.</b>
<p>Description of Task:</p> <p>QQ will provide technical assistance to up to five member communities to integrate water savings and water quality measures into their land use codes.</p>
<p>Method/Procedure:</p> <p>The following procedures will be completed:</p> <ul style="list-style-type: none"> <li>- Develop application procedure and consult with local governments on ability and timing to utilize technical assistance to update land use code with water savings and water quality measures.</li> <li>- Provide technical assistance to up to five local governments to draft proposed changes to land use code to integrate water savings and water quality measures.</li> </ul>
<p>Grantee Deliverable: Describe the deliverable the grantee expects from this task</p> <p>Updated land use codes in up to five communities</p>
<p>CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task</p> <p>Summary white paper highlighting both the process of the land use code updates and the results of the updated codes.</p>

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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.