



# COLORADO WATER CONSERVATION BOARD



## WATER SUPPLY RESERVE ACCOUNT GRANT APPLICATION FORM

Monitoring weather conditions and their effects on evaporation rates in northeastern Colorado with the Colorado Agricultural Meteorological Network (CoAgMet).

**Name of Water Activity/Project**

**Approving Basin Roundtable**

\$20,000.00

**Amount from Statewide Account**

**Total Amount of Funds Requested**

**Amount from Basin Account**

\$20,000

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### **Instructions**

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable AND the Colorado Water Conservation Board (CWCB). The process for Basin Roundtable consideration/approval is outlined in Attachment 1.

Once approved by the local Basin Roundtable, the applicant should submit this application, a detailed statement of work, detailed project budget, and project schedule to the CWCB staff by the application deadline.

The application deadlines are:

- Basin Account – 60 calendar days prior to the bi-monthly Board meeting
- Statewide Account – 60 calendar days prior to the September Board meeting

Board Meeting Dates	Basin Account Deadlines	Statewide Account Deadlines
July 20-21, 2010	May 21, 2010	n/a
September 21-22	July 23, 2010	July 23, 2010
November 16-17	September 17, 2010	n/a
January 2011	60 days prior	n/a
March 2011	60 days prior	n/a
May 2011	60 days prior	n/a
July 2011	60 days prior	n/a
September 2011	60 days prior	60 days prior

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/IWMD>.

The application, statement of work, budget, and schedule must be submitted in electronic format (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Mr. Todd Doherty  
Colorado Water Conservation Board  
Water Supply Planning Section  
WSRA Application  
1580 Logan Street, Suite 200  
Denver, CO 80203  
[Todd.Doherty@state.co.us](mailto:Todd.Doherty@state.co.us)

If you have questions or need additional assistance, please contact Todd Doherty of the Water Supply Planning Section at 303-866-3441 x3210 or [todd.doherty@state.co.us](mailto:todd.doherty@state.co.us).

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### Part A. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	Colorado Climate Center		
	Mailing address:	Department of Atmospheric Science Colorado State University Fort Collins, CO 80523-1371		
	Taxpayer ID#:	846000545	Email address:	Nolan@atmos.colostate.edu
	Phone Numbers: Business:	970 491-3690		
	Home:			
	Fax:	970-491-3314		

### 2. Person to contact regarding this application if different from above:

Name:	Nolan J. Doesken
Position/Title	State Climatologist, Senior Research Associate

### 3. Eligible entities that may apply for grants from the WSRA include the following. What type of entity is the Applicant? **University**

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. 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) – special, water and sanitation, conservancy, conservation, irrigation, or water activity enterprises.
- ☐ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

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4. Provide a brief description of your organization

The Colorado Climate Center is a service and education arm of Colorado State University. The Center was founded in 1974 to monitor the climate of Colorado, archive climatic data and information, and provide information and expertise on climate matters affecting the citizens of Colorado. The majority of data used to monitor Colorado climatic conditions are collected by Federal agencies such as the National Weather Service and the USDA Natural Resources Conservation Service. However, the Colorado Climate Center also leads independent monitoring efforts including the Colorado Agricultural Meteorological Network (CoAgMet) and the Community Collaborative Rain, Hail and Snow network (CoCoRaHS). The Colorado Climate Center is currently involved in climate monitoring activities associated with determining water balances (precipitation and evaporation) including consumptive crop water use. Information about the Colorado Climate Center can be found at <http://ccc.atmos.colostate.edu>

5. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

The contracting entity is Colorado State University, an institution with a very long history of water resources research benefiting the citizens of the State of Colorado.

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6. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A copy of this standard contract is included in Attachment 3. Please review this contract and check the appropriate box.

☒

The Applicant will be able to contract with the CWCB using the Standard Contract

☐

The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

7. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

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**Part B. - Description of the Water Activity**

1. Name of the Water Activity/Project:

Monitoring weather conditions and their effects on evaporation rates in northeastern Colorado with the Colorado Agricultural Meteorological Network (CoAgMet).

2. What is the purpose of this grant application? (Please check all that apply.)

☐

Environmental compliance and feasibility study

☐

Technical Assistance regarding permitting, feasibility studies, and environmental compliance

☒

Studies or analysis of structural, nonstructural, consumptive, nonconsumptive water needs, projects

Study or Analysis of:

☐

Structural project or activity

☐

Nonstructural project or activity

☐

Consumptive project or activity

☐

Nonconsumptive project or activity

☐

Structural and/ or nonstructural water project or activity

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3. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for.

This project supports both new and ongoing efforts to better understand and track consumptive use of water resources in northeastern Colorado through the careful monitoring of weather conditions. Crop and turf water use can then be calculated with reasonable accuracy using the standardized Penman-Monteith evapotranspiration algorithm. The Colorado Climate Center and Northern Colorado Water Conservancy District currently both operate weather stations in Colorado to help schedule irrigation applications, more accurately track evapotranspiration and crop water use, and observe long term trends and variations in crop water use in Colorado. In this one-year project, the Colorado Climate Center will identify the ten best weather stations in the South Platte and Republican River basins that best complement the existing Northern Colorado Water Conservancy District stations. These ten stations will be fully serviced, calibrated and maintained to assure a rich dataset accessible to both ag and water professionals, research scientists and the general public. Data from these weather stations are provided on the Colorado Agricultural Meteorological Network website hosted by the Colorado Climate Center ---

<http://ccc.atmos.colostate.edu/~coagmet/> At the same time, the Colorado Climate Center will continue to pursue strategies for long term support to maintain the CoAgMet network for the beneficial use of the citizens of Colorado. In the years to come, satellite estimates of crop water use on a field by field basis will become increasingly feasible, but the accuracy of such estimates are contingent upon the availability of high quality weather station data across the region.

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### Part C. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)
  - a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.<sup>1</sup>

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<sup>1</sup> 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.



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- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.
  
- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.<sup>2</sup> Specifically describe how the water activity either furthers the Roundtable's basin-wide water needs assessment or meets a consumptive or non-consumptive water supply need identified in the Roundtable's working needs assessment.

This water activity is developed to support the South Platte Roundtable efforts to better document and define consumptive use of irrigation water applied within the basin and adjacent portions of the Republican River basin. Studies of consumptive water uses are eligible for consideration. Water that is used by vegetation (evapotranspiration - ET) is fully consumptive, therefore better knowledge of ET is a critical component of assessing current and future water needs. Climatic difference (sunshine, wind, temperature and humidity) from the edge of the Rocky Mountains eastward across the wind swept high plains of eastern Colorado) provide an interesting challenge in documenting consumptive use over this diverse landscape.

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<sup>2</sup> 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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- d) Matching Requirement: For requests from the Statewide Fund, the applicants is required to demonstrate a 20 percent (or greater) match of the request from the Statewide Account. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCB. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in Part D of this application)

At this point, we are only requesting basin funds and no Statewide Funds. Some matching funds from Colorado State University and the Colorado Climate Center will be provided regardless.

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2. For Applications that include a request for funds from the Statewide Account, describe how the water activity meets the **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

Not applicable.

**Part D. – Required Supporting Material**

1. Water Rights, Availability, and Sustainability

This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights and the name/location of water bodies affected by the water activity.

Not applicable.

2. Please provide a brief narrative of any related or relevant previous studies.

The Colorado Agricultural Meteorological Network has been operated cooperatively in Colorado for nearly 20 years. The Colorado Climate Center, CSU Extension, CSU Agricultural Experiment Station, the CSU Soil and Crop Science Department, the CSU Bioagricultural Sciences and Pest Management Dept. the USDA Agricultural Research Service and the Natural Resources Conservation Service along with a number of agricultural commodities groups and individual producers have helped provide the resources and expertise to develop a statewide weather monitoring network focused on irrigation water use. In 2009, the North Platte Roundtable provided support to the Colorado Climate Center to add CoAgMet monitoring capabilities for the North Platte Basin. The Yampa-White Basin Roundtable is currently considering monitoring efforts in their area as well. Because of extremely limited financial resources, the network is in great need of committed sponsors to help maintain the existing infrastructure and continue to provide timely and high quality weather data for water resources applications.

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### **3. Statement of Work, Detailed Budget, and Project Schedule**

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.

Please provide a detailed statement of work using the following template. Additional sections or modifications may be included as necessary. Please define all acronyms. If a grant is awarded an independent statement of work document will be required with correct page numbers.

## **Statement of Work**

**WATER ACTIVITY NAME** - Monitoring weather conditions and their effects on evaporation rates in northeastern Colorado with the Colorado Agricultural Meteorological Network (CoAgMet).

**GRANT RECIPIENT** – Colorado Climate Center, Colorado State University

**FUNDING SOURCE** – South Platte Basin Roundtable Account

### **INTRODUCTION AND BACKGROUND**

Provide a brief description of the project. (Please limit to no more than 200 words; this will be used to inform reviewers and the public about your proposal)

A set of ten high quality weather stations located from the base of the Rocky Mountain foothills of the South Platte Basin eastward to the Nebraska border will be selected, serviced, calibrated and upgraded. This network of weather stations will be used to routinely compute and track evapotranspiration/crop water use providing a quantitative assessment of consumptive use at these locations across the basin. Together, with the existing top-quality observing network operated by Northern Colorado Water Conservancy District, it will be possible to examine spatial variations in consumptive use across the basin as a function of location and crop. These data will then become the basis for field-specific estimates of crop water use from satellite remote sensing.

### **OBJECTIVES**

List the objectives of the project

Maintain a high quality weather observing network collecting the necessary meteorological information for using the ASCE Standard Equation (Penman-Monteith ET model) for computing reference and crop evapotranspiration.

Provide current and historic weather and computed ET data in easily accessible forms for planners, decision makers and the public.

### **TASKS**

Provide a detailed description of each task using the following format

#### **TASK 1 – [Name] Weather Station Site selection**

Description of Task

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There is currently already more than a dozen full and operational agricultural weather stations from Larimer County eastward to northeast and east central Colorado. These stations will be evaluated, and the ten most representative sites will be selected to complement the existing NCWCD weather station network

### Method/Procedure

Data from recent years will be examined. Metadata showing weather station siting and exposure will be investigated. Locations of NCWCD will be overlaid with existing CoAgMet station. The ten CoAgMet stations that will provide the best spatial coverage as well as the most representative irrigated environments will be selected.

### Deliverable

Station lists, historic data inventory, station photos and location maps will be provided including site hosts and weather station equipment inventories

## **TASK 2 – [Name] CoAgMet weather station maintenance and network operations**

### Description of Task

Each of the ten selected weather stations will be visited a minimum of once during the year for complete maintenance. Temperature, humidity, solar radiation, wind speed, wind direction, precipitation and soil moisture sensors will all be cleaned, serviced and, if necessary, replace or recalibrated. Instrumentation and siting will be reviewed to make sure each station is providing data representative of irrigated cropland in the vicinity of each station

### Method/Procedure

Standard methods for weather station management and oversight will be employed. Weather data will be checked and compared with other nearby stations and with calibrated standards.

### Deliverable

Accurate, quality controlled weather data, automatically gathered and available online updated daily . From these data, daily, weekly and other accumulation periods of alfalfa reference and crop ET will be computed and made available on the CoAgMet website. On request, data can be e-mailed automatically each day to interested parties and organizations.

**TASK 3 – [Name] CoAgMet ET/Consumptive Use compilations**

Description of Task

The Colorado Climate Center will compile daily, weekly, monthly and season reference ET and provide this information, on request, to the members of the South Platte Roundtable showing how current year ET compares to previous years

Method/Procedure

ASCE Penman-Monteith standardized ET equation will be employed to calculate ET from daily and Hourly weather data.

Deliverable

The computation of Reference and crop ET will be automated. Data by day, week and season will be compiled for all ten stations and presented in report form and via oral presentation (if requested) to the South Platte Roundtable at the close of this one-year project.

**TASK 4 – [Name] Long-term sustainability of CoAgMet**

Description of Task

Identify stakeholders and build partnerships with users of weather and ET data to build a support community to help sustain the Colorado Agricultural Meteorological Network into the future.

Method/Procedure

Begin with members of the Roundtable and extend to agricultural and municipal entities with interests in climate variability, climate change and water use

Deliverable

A set of potential or committed sponsors to help raise ongoing support for CoAgMet beyond the one-year term of this contract.

**REPORTING AND FINAL DELIVERABLE**

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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.



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Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

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## BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

The following budget includes the negotiated CWCB-CSU 20% indirect cost rate added to each category.

Total Costs				
	Labor	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 – Weather Station selection	\$1,200			\$1,200
Task 2 - CoAgMet weather station maintenance and network operations	\$6,000	\$7,955		\$13,955
Task 3 and 4 -- ET/Consumptive Use computation and dissemination and long term sustainability plan	\$3,260	\$1,585		\$4,845
Total Costs:	\$10,460	\$9,540		\$20,000

**Example  
Titles**

Other Direct Costs						
Item:	Copies	Materials	Equipment/ Supplies	Mileage		Total
Units: Unit Cost:	No.			Miles		
Task 1 -						
Task 2 -		\$955	\$5,000	\$2,000		\$7,955
Task 3-4		\$830	\$355	\$400		\$1,585
Total Units:						
Total Cost:						

In-Kind Contributions (If Applicable)				
Project Personnel: Hourly Rate:				Total
Task 1 -				
Task 2 -				
Total Hours:				

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Total Cost:				
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### SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

Task 1 (weather station prioritization and selection) will be completed within the first month after funding is committed. Results will be distributed to SPRT.

Task 2 (weather station servicing and instrument calibration) will be completed prior to the beginning of the growing season to assure high quality weather data during the critical crop growth times of year.

Task 3 (Evapotranspiration/consumptive use computations) will be conducted throughout the growing season. Results will be provided to the SPRT following the end of the next complete growing season

Task 4. (Weather station network sustainability plan) will be developed in collaboration with SPRT over the entire project duration.

#### Example 1

Task	Start Date	Finish Date
1	Upon NTP	NTP + 90 days
2	Upon NTP	NTP + 180 days
3	Upon NTP	NTP + 180 days
4	Upon NTP	12/31/11
5	NTP + 60 days	12/31/11
6	NTP + 60 days	12/31/11
7	NTP + 60 days	12/31/11

NTP = Notice to Proceed

#### Example 2

Task	First 6 Months						Second 6 Months					
	1/10 – 3/10			4/10 – 6/10			7/10 – 9/10			10/10 - 12/10		
A – Economic Analysis												
B – Storage Analysis												
C – TA for Ditch Cos												
D – Injury Analysis												
Final Reports												

### PAYMENT

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Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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The above statements are true to the best of my knowledge:

**Signature of Applicant:**

**Print Applicant's Name:** Nolan J. Doesken

**Project Title:** Monitoring weather conditions and their effects on evaporation rates in northeastern Colorado with the Colorado Agricultural Meteorological Network (CoAgMet)

**Return this application to:**

Mr. Todd Doherty  
Intrastate Water Management and Development Section  
COLORADO WATER CONSERVATION BOARD  
1580 Logan Street, Suite 200  
Denver, CO 80203

To submit applications by Email, send to: [todd.doherty@state.co.us](mailto:todd.doherty@state.co.us)

**Attachment 1**  
**Reference Information**

The following information is available via the internet. The reference information provides additional detail and background information.

Colorado Water Conservation Board (<http://cwcb.state.co.us/>)

Loan and Grant policies and information are available at – <http://cwcb.state.co.us/Finance/>

Interbasin Compact Committee and Basin Roundtables (<http://ibcc.state.co.us/>)

Interbasin Compact Committee By-laws and Charter (under Helpful Links section) –

<http://ibcc.state.co.us/Basins/IBCC/>

Legislation

House Bill 05-1177 - Also known as the Water for the 21<sup>st</sup> Century Act –

<http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>

House Bill 06-1400 – Adopted the Interbasin Compact Committee Charter –

<http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>

Senate Bill 06-179 – Created the Water Supply Reserve Account –

<http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>

Statewide Water Supply Initiative

General Information – <http://cwcb.state.co.us/IWMD/>

Phase 1 Report – <http://cwcb.state.co.us/IWMD/SWSITechnicalResources/SWSIPhaseIReport/>

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**Attachment 2**  
**Insurance Requirements**

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

**13. INSURANCE**

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

**A. Grantee**

**i. Public Entities**

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

**ii. Non-Public Entities**

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in **§13(B)** with respect to sub-Grantees that are not "public entities".

**B. Sub-Grantees**

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

**i. Worker's Compensation**

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

**ii. General Liability**

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: **(a)** \$1,000,000 each occurrence; **(b)** \$1,000,000 general aggregate; **(c)** \$1,000,000 products and completed operations aggregate; and **(d)** \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

**iii. Automobile Liability**

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Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

**iv. Additional Insured**

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

**v. Primacy of Coverage**

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

**vi. Cancellation**

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

**vii. Subrogation Waiver**

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

**C. Certificates**

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.



**Attachment 3**  
**Water Supply Reserve Account Standard Contract**

NOTE: The following contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

**Attachment 4**  
**W-9 Form**

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.