

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 21-22, 2018
Agenda Item 25(1)

Applicant: Town of Poncha Springs

Water Activity Name: Poncha Springs Water Infrastructure Improvement Project- Well Development

Water Activity Purpose: Implementation – Municipal/Industrial

County: Chafee County

Drainage Basin: Arkansas

Water Source: Cucharas River Basin

Amount Requested/Source of Funds: \$6,000 Arkansas River Basin Account
\$58,500 Statewide Account
\$64,500 Total Grant Request

Matching Funds: Basin Account Match (\$6,000) = 10.25% of Statewide Account request (meets 10% min);
Applicant's Cash Match (\$55,500) = 94.8% of Statewide Account request (meets 10% min);
Total Match (Basin & Applicant Match of \$61,500 = 105.1% of Statewide Account request (meets 50% min). (refer to *Funding Summary/Matching Funds* section)

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| Staff Recommendation: |
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| Staff recommends approval of up to \$6,000 from the Arkansas River Basin Account and \$58,500 from the Statewide account to help fund the study titled: Poncha Springs Water Infrastructure Improvement Project - Well Development |
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Water Activity Summary: If funded, the objectives of this proposed project are:

- Improve and enlarge Poncha Spring's water infrastructure to meet current demands for domestic use and fire suppression, increase storage, delivery systems, and supplies
- Develop integrated water management partnerships to better utilize and manage water supplies in the Upper Arkansas Valley.

The population of the Town of Poncha Springs has tripled since the water system first went online in 1983. The ability to supply sufficient demand and sustain proper fire suppression levels has become increasingly difficult. Over the last several years, the wells have barely been able to keep storage above the minimum fire flow levels required. The current system has no form of redundancies. The applicant estimates if one of the wells were to go down, the system would not be able to meet demand. WSRF funds would assist with the implementation of the two high-capacity wells that

would provide approximately 30 additional acre-feet to the Town's current water supply, which more than doubles the current distribution capacity.

In addition to the current proposal, Poncha Springs is funding a new truck line distribution system, contact chambers, treatment facilities, and an additional water tank. The full project will cost approximately 2.3 million dollars of which 65% will be provided by the Town. Poncha Springs has been working to secure additional funding needed. The Town believes the proposed project would greatly improve its ability to develop and provide a reliable source of water for its constituents and for fire protection.

Discussion: This project is consistent with goals set forth in the Colorado Water Plan Objective A, Supply-Demand Gap: *"Use a grassroots approach to formulate projects and methods that avoid some of the undesirable outcomes of the supply-demand gaps"*. This project also meets objectives in the Arkansas Basin Implementation Plan.

Issues/Additional Needs: None.

Eligibility Requirements: The application meets requirements of all eligibility components: General Eligibility, Entity Eligibility, Water Activity Eligibility, and Eligibility Based on Match Requirements.

Evaluation Criteria: This activity has undergone review and staff has determined it satisfies the Evaluation Criteria outlined in Colorado's Water Plan, Section 9.4. Please refer to Basin Roundtable Chair's Recommendation Letter and the Application for a detailed response.

Funding Summary/Matching Funds:

| <u>Funding Source</u> | <u>Cash</u> | <u>In-kind</u> | <u>Total</u> |
|--|--------------------|-----------------------|---------------------|
| Town of Poncha Springs (CDPHE Loan) | \$50,500 | \$0 | \$50,500 |
| Upper Arkansas Water Conservancy Dist. | \$0 | \$5,000 | \$5,000 |
| WSRF Arkansas Basin Account | \$6,000 | n/a | \$6,000 |
| WSRF Statewide Account | \$58,500 | n/a | \$58,500 |
| Total Project Costs | \$115,000 | \$5,000 | \$120,000 |

CWCB Project Manager: Ben Wade

Arkansas Basin Roundtable

January 10, 2018

Via Electronic Mail: ben.wade@state.co.us

Mr. Ben Wade
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Re: Water Supply Reserve Fund Grant Application: Town of Poncha Springs Water Infrastructure Improvement Project – Well Development

Dear Ben:

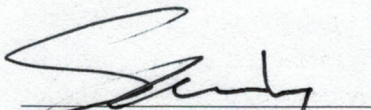
At its January 10, 2018 meeting, the Arkansas Basin Roundtable (ABRT) approved the Town of Poncha Springs Water Infrastructure Improvement Project – Well Development grant application for \$6,000 in Basin Funds and \$58,500 in Statewide Funds. As described below, the Applicant has vigorously pursued multiple funding alternatives in its efforts to address water supply challenges. There were no dissenting opinions expressed in the consensus decision. Regarding the Colorado Water Plan, this project directly supports Objective A., Supply-Demand Gap: *Use a grassroots approach to formulate projects and methods that avoid some of the undesirable outcomes of the supply-demand gaps.*

The purpose of the proposed project is to enlarge the Town of Poncha Springs' (Poncha) public water system to meet current demands for domestic supply and fire suppression. The population of Poncha has tripled since the water system first went online in 1983. The Town's ability to meet peak demand and sustain proper fire suppression tank storage levels is a daily challenge.

Poncha has worked diligently to secure a substantial portion of funding needed including a \$30,000 Climax Area Community Investment Fund Grant, a \$10,000 Planning Grant, a \$200,000 Design and Engineering Grant, a \$640,000 Department of Local Affairs Energy and Mineral Impact Grant, and a State Revolving Fund Loan. Approval of the grant will allow the Town to construct an additional high-capacity well.

Should you have any questions or concerns, please feel free to contact me either by telephone, 719-742-6164, or by email, sandy@white-jankowski.com.

With warm regards



Michael D. (Sandy) White
Chair

Copy via email: Applicant; Mr. Ben Wade; ABRT Executive Committee



Last Update: August 3, 2017

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| Colorado Water Conservation Board |
| Water Supply Reserve Fund Grant Application |

| Instructions | | |
|--|--|---|
| <p>All WSRF grant applications shall conform to the current 2016 WSRF Criteria and Guidelines.</p> <p>To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) AND the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.</p> <p>If you have questions, please contact the current CWCB staff Roundtable liaison:</p> | | |
| Arkansas Ben Wade ben.wade@state.co.us 303-866-3441 x3238 | Gunnison North Platte South Platte Yampa/White Craig Godbout craig.godbout@state.co.us 303-866-3441 x3210 | Colorado Metro Rio Grande Southwest Megan Holcomb megan.holcomb@state.co.us 303-866-3441 x3222 |

| WSRF Submittal Checklist (Required) | |
|-------------------------------------|---|
| X | I acknowledge this request for funding was recommended for CWCB approval by the sponsoring Basin Roundtable(s). |
| X | I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines . |
| X | I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾ |
| Exhibit A | |
| X | Statement of Work ⁽²⁾ (Word – see Exhibit A Template) |
| X | Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Exhibit A Template) |
| X | Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾ |
| Exhibit C | |
| X | Map ⁽²⁾ |
| | Photos/Drawings/Reports |
| | Letters of Support |
| X | Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.) |
| Contracting Documents | |
| X | Certificate of Good Standing ⁽³⁾ |
| X | W-9 ⁽³⁾ |
| | Independent Contractor Form ⁽³⁾ (If applicant is individual, not company/organization) |
| | Electronic Funds Transfer (ETF) Form ⁽³⁾ |

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

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



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| Schedule | | |
|--------------|-----------------------------|------------------------------|
| CWCB Meeting | Application Submittal Dates | Type of Request |
| January | December 1 | Basin Account; BIP |
| March | February 1 | Basin/Statewide Account; BIP |
| May | April 1 | Basin Account; BIP |
| July | June 1 | Basin Account; BIP |
| September | August 1 | Basin/Statewide Account; BIP |
| November | October 1 | Basin Account/BIP |

| Desired Timeline | |
|---------------------------------|------------|
| Desired CWCB Hearing Month: | March 2018 |
| Desired Notice to Proceed Date: | May 2018 |

| Water Activity Summary | | |
|--|---|---|
| Name of Applicant | Town of Poncha Springs | |
| Name of Water Activity | Poncha Springs Water Infrastructure Improvement Project- Well Development | |
| Approving Roundtable(s) | | Basin Account Request(s) ⁽¹⁾ |
| Arkansas Basin Roundtable | | \$ 6,000 |
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| Basin Account Request Subtotal | | \$ 6,000 |
| Statewide Account Request ⁽¹⁾ | | \$ 58,500 |
| Total WSRF Funds Requested (Basin & Statewide) | | \$ 64,500 |
| Total Project Costs | | \$ 120,000 |

(1) Please indicate the amount recommended for approval by the Roundtable(s)



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| Grantee and Applicant Information | |
|---|--|
| Name of Grantee(s) | Town of Poncha Springs |
| Mailing Address | PO Box 190 Poncha Springs, CO 81242 |
| FEIN | 84-0603299 |
| Grantee's Organization Contact ⁽¹⁾ | Brian Berger |
| Position/Title | Administrative Officer/ Treasurer/ Clerk |
| Email | manager@ponchasprings.us |
| Phone | 719-539-6882 |
| Grant Management Contact ⁽²⁾ | Chelsey Nutter |
| Position/Title | Project Manager- UAWCD |
| Email | projects@uawcd.com |
| Phone | 719-539-5425 |
| Name of Applicant (if different than grantee) | |
| Mailing Address | |
| Position/Title | |
| Email | |
| Phone | |

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

| Description of Grantee |
|--|
| Provide a brief description of the grantee's organization (100 words or less). |
| <p>The Town of Poncha Springs is a small but growing community located in the Arkansas River Valley in Chaffee County. In the late 1800's The Town of Poncha Springs was a supply hub for area mines and ranches. It had a railroad depot, hotels, bars, and numerous shops. However, fires wiped out much of the town including 17 saloons, Chaffee County's first library, and a hotel since they did not have adequate water distribution or storage capacity. Only recently has Poncha Springs experienced significant population growth and become economically viable. The town and the valley have been discovered.</p> |



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| Type of Eligible Entity (check one) | |
|-------------------------------------|---|
| X | 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 |
| | 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, any organization that is not part of the government |
| | Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes |

| Type of Water Activity (check one) | |
|------------------------------------|----------------|
| | Study |
| X | Implementation |

| Category of Water Activity (check all that apply) | | |
|---|--------------------------------|---------------------------|
| | Nonconsumptive (Environmental) | |
| | Nonconsumptive (Recreational) | |
| | Agricultural | |
| X | Municipal/Industrial | |
| | Needs Assessment | |
| | Education & Outreach | |
| X | Other | Explain: Fire Suppression |

| Location of Water Activity | |
|--|----------------|
| Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable. | |
| County/Countries | Chaffee County |
| Latitude | 38.5128° N |
| Longitude | 106.0772° W |



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Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. 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, area of habitat improvements. 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, and Schedule.

The purpose of the proposed project is to enlarge the Town of Poncha Springs' (Poncha) public water system to meet current demands for domestic supply and fire suppression. The population of Poncha has tripled since the water system first went online in 1983. The ability to supply sufficient demand and sustain proper fire suppression levels has become increasingly difficult. The full scope of the project includes: a new truck line distribution system, two new wells, contact chambers, treatment facilities, and an additional water tank. The full project will cost approximately 2.3 million dollars of which 65% will be provided by Poncha, a huge undertaking for a municipality of this size.

For the purposes of this grant application, WSRFs are requested to assist with the implementation of the two high-capacity wells. Poncha's current distribution system has insufficient well production to meet peak demand. Over the last several years, the wells have barely been able to keep storage above the minimum fire flow levels required. The current system has no form of redundancies, and if one of the wells were to go down, the system would not be able to meet demand.

Poncha has worked diligently to secure a substantial portion of funding needed; including a \$30,000 Climax Area Community Investment Fund Grant, a \$10,000 Planning Grant, a \$200,000 Design and Engineering Grant, a \$640,000 Department of Local Affairs Energy and Mineral Impact Grant, and a 0% Interest State Revolving Fund Loan, but has come up short to fund the project in its entirety. If approved, WSRFs would be utilized to fund the development of the high-capacity wells, a critical component. WSRFs would greatly improve Poncha's ability to develop and provide a reliable source of water for its constituents and for fire protection.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

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|---|---|
| | New Storage Created (acre-feet) |
| X: ~30af (the new wells will have the capacity to pump roughly 200gpm, more than doubling the current distribution capacity. This will allow wells to turn on, refill the tanks and turn off, not running multiple days straight. All of this is measured and recorded by the SCADA System) | New Annual Water Supplies <u>Developed</u> or Conserved (acre-feet), <u>Consumptive</u> 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) |
| | Length of Pipe/Canal Built or Improved |



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| Measurable Results | | |
|--------------------|-------|----------|
| | Other | Explain: |

| Water Activity Justification |
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| <p>Provide a description of how this water activity supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the respective Roundtable Basin Implementation Plan and Education Action Plan ⁽¹⁾. 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>For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in 2016 WSRF Criteria and Guidelines).</p> |



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Water Activity Justification

Poncha Springs Infrastructure Improvement Project supports Colorado's Water Plan, the Arkansas Basin Implementation Plan, and the Statewide Water Supply Initiative by addressing their water supply-demand gap and fire suppression needs through infrastructure improvements, creation of new storage, integrated water management and leveraging funding.

This project is supported through the following passages in the Colorado Water Plan (CWP)

- CWP states "Implement storage and other infrastructure to maximize flexibility and reliability" (CWP, Section 6.1, p. 6-10).
- CWP states "Colorado's Water Plan values efficient and effective water infrastructure" (CWP, Section 10.1, p. 10-3).
- Ark BIP states "Support regional infrastructure development for cost-effective solutions to local water supply gaps" (CWP, Section 6.2 p. 6-21).
- Ark BIP states "Storage is essential to meeting all of the basin's consumptive, environmental, and recreational needs" (CWP, Section 6.2, p. 6-21).

Supply Demand Gap & Integrated Water Management

The population of Poncha Springs is drastically different than it was when the water system first went online in 1983. In 1990 the population was 244 residents and the most recent population count in 2014 shows 764 people. While the project will help to accommodate future infill growth within the Town, it is not intended to or planned to accommodate annexation growth. Poncha's current system exists of four wells that have a maximum capacity of approximately 177 gallons per minute. The Town's "Firm Capacity" (max capacity if the largest well were to malfunction) is only 102 gallons per minute; well below the capacity needed to meet demand even on an average day during the summer.

By implementing new high-capacity wells, the distribution system would be able to supply enough water to meet demand, allowing the wells to pump enough water to replenish tank levels and not be overloaded by running multiple days straight. With these additional wells, if one were to go down the others could hold adequate levels while the malfunctioning well was repaired. These wells will create a new physical supply of water and will be augmented through an integrated water management plan with the Upper Arkansas Water Conservancy District. This partnership will provide flexibility and sustainability as the Upper Arkansas area continues to grow. Through Integrated water management, the District and Poncha can share resources, reduce redundancies, and use water to its highest beneficial use through collaboration and cooperation.

Storage and Fire Protection

Poncha's current gross storage capacity is 260,000 gallons with a net water storage capacity of approximately 234,000 gallons. Domestic water storage should be a minimum of one peak day that is currently estimated at 255,000 gallons. In addition to the domestic water storage there should be a sufficient fire flow storage. Poncha has a number of industrial sites that could require significant fire flow water. A fire flow demand is 180,000 gallons which would nearly deplete Poncha's current water storage within 2 hours. Poncha is currently sitting at a 201,000-gallon storage deficit. The trunk line from the existing water storage tanks is a single 10-inch trunk line to the distribution grid. This creates a single point failure condition that could leave the Town without water supply or fire protection in the event of a trunk main break.

The new water system (new wells, storage tank and trunk lines) will adequately replenish water tank levels during peak demand periods. Risks will be alleviated, and the system would be able to provide adequate water and maintain sufficient fire suppression levels even if a well were to malfunction. Residents and the Town will have peace of mind that the water system can provide safe and reliable drinking water. Having sufficient storage for fire flow will mitigate the possibility of a substantial fire in the case of an emergency. The new trunk main also increases the distribution grid fire suppression flow rate to better meet fire code standards within the town boundaries.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.



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| Matching Requirements: Basin Account Requests | |
|---|--|
| Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary. | |
| Contributing Entity | Amount and Form of Match (note cash or in-kind) |
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| Total Match | \$ |
| If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived. | |

| Matching Requirements: Statewide Account Requests | |
|---|---|
| Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3 rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary. | |
| Contributing Entity | Amount and Form of Match (note cash or in-kind): |
| Town of Poncha Springs | \$ 50,500 – Cash (CDPHE Loan) |
| Upper Arkansas Water Conservancy District | \$ 5,000 – In-Kind |
| Arkansas Basin Roundtable | \$ 6,000 – Cash |
| | |
| | |
| | |
| | |
| Total Match | \$61, 500 |
| If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement). | |



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Related Studies

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

A water & sewer study was completed in 2006 and identified the risks that will be solved by this project. The economic conditions of Poncha have only recently created the feasibility to move forward to correct the risks identified in 2006.

This project is complimentary to the Colorado Water Plan, The Arkansas Basin Implementation Plan, the Statewide Water Supply Initiative, and any CWCB programs related to wildfire risk and watershed health.

Previous CWCB Grants

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

NONE

Tax Payer Bill of Rights

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.

The Town of Poncha Springs Water Activity Enterprise Fund is and has remained under the enterprise status and will be able to receive the requested grant in 2018. The Town of Poncha Springs is also fully "De-Bruced" through voter approved ballot initiatives in 2002, 2006, and 2008.



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| Water Supply Reserve Fund | |
|---|--|
| <u>Exhibit A - Statement of Work</u> | |
| Date: | |
| Water Activity Name: | Poncha Springs Water Infrastructure Improvement Project |
| Grant Recipient: | Town of Poncha Springs |
| Funding Source: | Water Supply Reserve Fund- State & Basin Funds |
| Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for. | |
| <p>The purpose of the proposed project is to enlarge the Town of Poncha Springs' (Poncha) public water system to meet current demands for domestic supply and fire suppression. The population of Poncha has tripled since the water system first went online in 1983. The ability to supply sufficient demand and sustain proper fire suppression levels has become increasingly difficult. The full scope of the project includes: a new truck line distribution system, two new wells, contact chambers, treatment facilities, and an additional water tank. The full project will cost approximately 2.3 million dollars of which 65% will be provided by Poncha, a huge undertaking for a municipality of this size.</p> <p>For the purposes of this grant application, WSRFs are requested to assist with the implementation of the two high-capacity wells. Poncha's current distribution system has insufficient well production to meet peak demand. Over the last several years, the wells have barely been able to keep storage above the minimum fire flow levels required. The current system has no form of redundancies, and if one of the wells were to go down, the system would not be able to meet demand.</p> <p>Poncha has worked diligently to secure a substantial portion of funding needed, but has come up short to fund the project in its entirety. If approved, WSRFs would be utilized to fund the development of the high-capacity wells, a critical component. WSRFs would greatly improve Poncha's ability to develop and provide a reliable source of water for its constituents and for fire protection.</p> | |
| Objectives: (List the objectives of the project) | |
| <ul style="list-style-type: none">• Improve and enlarge Poncha's water infrastructure to meet current demands• Increase storage, delivery systems, and supplies• Increase the reliability of Poncha's water supply for domestic and fire suppression purposes• Successfully develop, construct, augment, and deliver water supplies to new storage facilities to meet current demands for domestic use and fire suppression.• Develop integrated water management partnerships to better utilize and manage water supplies in the Upper Arkansas Valley.• Leverage multiple funding sources | |



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| Tasks |
|---|
| Provide a detailed description of each task using the following format: |
| Task 1 – Well Drilling |
| Description of Task: Well Drilling and Casing |
| Drilling and casing of two new high capacity wells (well #6 and well #7), an advertisement for bids will be published with bids considered and final selection coming from the Town of Poncha Springs Board of Trustees. |
| Method/Procedure: |
| <ul style="list-style-type: none">• Work with local drilling company to drill wells (200 L.F.)• Construct 8-10inch casing• Maintain a detailed driller's log while drilling down to 200'• Full process includes oversight by a CDPHE professional. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| Well drilling and casing complete |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| Completion of this task will be documented in the final report with accompanying photos. The well drilling and casing of well #6 will be reflected in the matching budget and the drilling and casing for well #7 will be reflected in the WSRF budget with accompanying reimbursement invoicing. |



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| Tasks |
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| Provide a detailed description of each task using the following format: |
| Task 2 – Johnson Screen |
| Description of Task: Stainless steel Johnson Screens will be used to provide long-term sustainable increased well production for both wells. This type of screening prevents the introduction of sediment into the well and possible clogging associated with a simple perforated casing. |
| Method/Procedure: <ul style="list-style-type: none">Using the driller's log to determine which intervals contain the best water producing geological layers to install the screening, the well driller installs the stainless-steel Johnson Screens after driving the casing to the preferred depth (140'-200'). |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| Johnson screens constructed |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| Completion of this task will be documented in the final report with accompanying photos. The construction of the Johnson Screen for well #6 will be reflected in the matching budget and the Johnson Screen for well #7 will be reflected in the WSRF budget with accompanying reimbursement invoicing. |



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| Tasks |
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| Provide a detailed description of each task using the following format: |
| <u>Task 3 – Well Pump and Controller</u> |
| Description of Task: Pump Selection and Installation |
| Once the well is drilled and developed the appropriate pump will be selected to meet the desired capacity and pump against the calculated head pressure, this will be connected to the controller to start and stop the pump as needed |
| Method/Procedure: |
| <ul style="list-style-type: none">A submersible pump and motor will be lowered to the desired depth of the well using a specialized pump installation truck. Once installed it will be pump tested for a 72-hour period with regularly recorded measures, including drawdown, turbidity, temperature, production rate and PH levels. The pump is then hardwired to the controller which communicates with the integrated SCADA system. The SCADA system measures real time tank/storage levels and triggers the activation and deactivation of the well. As demand increases and tank levels drop the wells are kicked on until the storage levels are “toped off” and then the wells are kicked off. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| Well pump and controller installed and properly functioning. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| Completion of this task will be documented in the final report with accompanying photos. The installation of the well pump and controller for well #6 will be reflected in the matching budget and the installation of the well pump and controller for well #7 will be reflected in the WSRF budget with accompanying reimbursement invoicing. |



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| Tasks |
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| Provide a detailed description of each task using the following format: |
| Task 4 – Water Quality Tests |
| Description of Task: Water quality test will be conducted on both wells. |
| Method/Procedure: <ul style="list-style-type: none">During the 72-hour pump test, a full panel of water quality samples are taken by the applicants Certified Water Operator and sent to CDPHE certified labs for testing. The tests will validate clean, clear, quality water through sampling total coliform bacteria, TTHMs and HAA5s, nitrate, fluoride, inorganics, synthetic organics, volatile organics, combined uranium, gross alpha, combined radium, and nitrate. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Water quality tests complete and analyzed. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) Completion of this task will be documented in the final report with results. Water quality testing for both wells will be reflected in the WSRF budget with accompanying reimbursement invoicing. |



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| Tasks |
|---|
| Provide a detailed description of each task using the following format: |
| <u>Task 5 – Grant Administration</u> |
| Description of Task: Project Manager Chelsey Nutter of the Upper Arkansas Water Conservancy District will provide grant administration for the Town of Poncha Springs WSRF grant. |
| Method/Procedure: <ul style="list-style-type: none">• Project management of all tasks in the WSRF grant application• Documentation of task completion• Schedule and Budget administration• Final reporting and reimbursement documentation |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| Successful administration of all tasks and delivery of grant requirements. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| The final deliverable will include a final report and all reimbursement documentation delivered to the CWCB by the contract date. Grant administration will be reflected in the matching budget. |



Last Update: October 24, 2017

Budget and Schedule

Budget: This Statement of Work and Schedule shall be accompanied by a Budget ([link?](#)) that reflects the Tasks identified in the Statement of Work and Schedule and shall be submitted to CWCB in an excel format.

Schedule: This Statement of Work and Budget shall be accompanied by a Schedule ([link?](#)) that reflects the Tasks identified in the Statement of Work and Budget and shall be submitted to CWCB in an excel format.

Reporting Requirements

Reporting: The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, 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 to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

Final Deliverable: At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Aditdonally, the applicant shall provide a progress repost every 6 months, beginning from the date of contract execution

COLORADO INTERGOVERNMENTAL RISK SHARING AGENCY
(CIRSA)
CERTIFICATE OF PARTICIPATION
FOR PROPERTY/CASUALTY COVERAGES
issued to the

Town of Poncha Springs

CIRSA hereby certifies that the above-named entity is a participating member of CIRSA for property/casualty coverages for the coverage period of January 1, 2018 to January 1, 2019.

CIRSA liability coverages for the coverage period will be as described in a CIRSA liability policy and Great American Insurance Company reinsurance policy which will provide the liability and errors and omissions coverages summarized below. CIRSA property and crime coverages for the coverage period will be as described in a CIRSA property policy, Aspen Specialty Company excess policy, Axis Insurance Company excess policy, First Specialty Company excess policy, HDI Specialty Insurance Company excess policy, Liberty Surplus Insurance Company excess policy, Princeton Excess and Surplus Lines Insurance Company excess policy, RSUI Indemnity Company excess policy, and United National Insurance Company excess policy.

The coverages, conditions of membership and other provisions applicable to CIRSA property/casualty members are described in CIRSA's Bylaws, coverage and/or excess/reinsurance coverage policies and general policies adopted by the members, as from time to time amended.

The types and monetary limits of the coverages to be provided to CIRSA property/casualty members shall be as described below. The scope, terms, conditions and limitations of the coverages shall be governed by the applicable policies and/or excess/reinsurance policies, the CIRSA Bylaws and Intergovernmental Agreement and other applicable documents.

- I. TYPES OF COVERAGES** (subject to CIRSA's liability limit as described in Section II below):
- A. Property coverage (including auto physical damage and public relations and security breach expense)
 - B. Liability coverage:
 - 1. General liability
 - 2. Auto liability
 - 3. Law Enforcement liability
 - 4. Public Officials errors and omissions liability
 - 5. Security and privacy liability
 - C. Crime coverage (including employee dishonesty and money and securities)

II. CIRSA RETENTIONS, LOSS FUNDS, EXCESS INSURERS, AND AGGREGATE LIMITS

For the coverage described in Section I, CIRSA shall be liable only for payment of the applicable self-insured retentions and only to a total annual aggregate amount for CIRSA members as a whole of the amount of the applicable CIRSA loss fund for the coverage period. There shall be no aggregate excess coverage over any loss fund.

Coverages in excess of CIRSA's self-insured retentions shall be provided only by the applicable excess insurers and/or reinsurers in applicable excess and reinsurance policies. The limits of coverage provided by the excess insurers and/or reinsurers for the coverage period shall be described in the coverage documents issued to the members. Sublimits, aggregate limits and other limits shall apply as provided in said documents.

CIRSA SELF-INSURED RETENTIONS FOR THE COVERAGE PERIOD:

- A. \$1,000,000 each and every loss and/or occurrence property
- B. \$ 100,000 each claim/annual aggregate public relations and security breach
- C. \$1,000,000 each and every loss and/or occurrence liability
- D. \$1,000,000 each and every claim Public Officials liability
- E. \$ 500,000 each claim/annual aggregate security and privacy liability
- F. \$ 150,000 each and every loss and/or occurrence crime

CIRSA LOSS FUND AMOUNTS FOR THE COVERAGE PERIOD:

Loss fund amounts shall be as adopted or amended from time to time by the Board of Directors based on the members in the property/casualty pool for the year. Information on current loss fund amounts shall be available from the CIRSA Chief Financial Officer.

EXCESS INSURERS/REINSURERS FOR THE COVERAGE PERIOD:

- A. Property: Per Property Schematic attached
- B. Liability: Great American Insurance Company (reinsurance)
- C. Excess Crime: AIG

LIMITS/EXCESS LIMITS:

- A. Excess property: to \$500 million per claim/occurrence.
- B. Excess liability: to \$10 million per claim/occurrence (except excess auto liability to \$5,000,000 and Public Officials Errors and Omissions and class-action suits arising out of discrimination to \$10 million per claim/\$10 million annual aggregate per member)
- C. Excess crime (optional): up to \$5 million per claim/occurrence.

III. MEMBER DEDUCTIBLES:

The member shall be responsible for payment of the member-selected deductible on each claim/occurrence. The deductible amounts selected by the above named entity are: \$500/1,000* (Liability), \$ 500 (Auto Liability), \$ 500 (Auto Physical Damage), and \$ 500 (Property). Payment of the deductible shall reduce the amount otherwise payable under the applicable CIRSA retention. In the event of a loss or occurrence involving more than one CIRSA member, each member shall pay its full applicable deductible(s).

**Police Professional and Errors and Omissions deductible cannot go below \$1,000.*

IV. POLICIES GOVERN PAYMENTS:

Payments within the member's deductible(s) and/or CIRSA's self-insured retention(s), or in excess of the member's deductible(s) and/or CIRSA's self-insured retention(s), in connection with any claims/occurrences shall be governed by the excess and/or reinsurance policies.

Countersigned on behalf of the Colorado Intergovernmental Risk Sharing Agency.


Chris Krall, Executive Director

COLORADO INTERGOVERNMENTAL RISK SHARING AGENCY
(CIRSA)
CERTIFICATE OF PARTICIPATION
FOR WORKERS' COMPENSATION COVERAGES
issued to the

Town of Poncha Springs

CIRSA hereby certifies that the above-named entity is a participating member of CIRSA for Workers' Compensation coverage for the period January 1, 2018 to January 1, 2019.

The types and monetary limits of the coverages to be provided to CIRSA workers' compensation members for the applicable coverage period are generally described below. The scope, terms, conditions, and limitations of the coverages are governed by the applicable coverage documents and excess policies, the CIRSA Bylaws and Intergovernmental Agreement, and other applicable documents.

I. TYPES AND LIMITS OF COVERAGES:

- A. Workers' Compensation Coverage (to statutory limits)
- B. Employer's Liability Coverage (to \$1,000,000 per occurrence)

II. CIRSA LOSS FUND, AGGREGATE LIMITS, AND RETENTION

For the coverages described in Section I, CIRSA shall be liable only for payment of the applicable self-insured retention and only to a total annual aggregate amount for CIRSA members as a whole of the amount of the applicable CIRSA loss fund for the coverage period. There shall be no aggregate excess coverage over any loss fund.

CIRSA's self-insured retention shall be \$500,000 per claim/occurrence for all claims made by employees other than firefighters or police officers and \$750,000 for all claims made by firefighters or police officers. Coverages in excess of CIRSA's self-insured retention shall be provided only by the excess insurers in the applicable excess policies, and shall be payable only by those excess insurers. The excess insurer for the coverage period is New York Marine and General Insurance Company.

The CIRSA loss fund is as adopted or amended from time to time by the Board of Directors based on the members in the Workers' Compensation Pool for the year and investment earnings on those amounts. Information on the current loss fund amounts is available from the CIRSA Chief Financial Officer.

III. MEMBER DEDUCTIBLES:

The member shall be responsible for payment of the member-selected deductible on each claim/occurrence, if a deductible has been selected by the member. Payment of the deductible reduces the amount otherwise payable under the applicable CIRSA retention. In the event of a loss or occurrence involving more than one CIRSA member, each member shall pay its full deductible(s).

IV. POLICIES GOVERN PAYMENTS:

Payments within the member's deductible(s) and/or CIRSA's self-insured retention(s), or in excess of the member's deductible(s) and/or CIRSA's self-insured retention(s), in connection with any claims/occurrences shall be governed by the excess and/or reinsurance policies.

Countersigned on behalf of the Colorado Intergovernmental Risk Sharing Agency.



Chris Krall, Executive Director