

**Water Supply Reserve Fund
Water Activity Summary Sheet
March 21-22, 2018
Agenda Item 25(r)**

Applicant & Grantee: Peak Spatial Enterprises Inc. & Chambers Econ and Analytics, LLC

Water Activity Name: Water Information / Real Estate Disclosure Tool – H2infO

Water Activity Purpose: Municipal, Education and Outreach Implementation

County: Denver, Adams, Arapahoe, Douglas, El Paso, Teller, and Pueblo

Drainage Basin: Front Range

Water Source: N/A

Amount Requested: \$10,000 Metro Account
\$10,000 Statewide Account
\$20,000 Total Grant Request

Matching Funds: Basin Account Match = \$10,000

- 100% of statewide request (meets 10% min)

Applicant Match (cash & in-kind) = \$107,500

- 1075% of the statewide request (meets 10% min)

Total Match (Basin & Applicant) = \$117,500

- 1175% of the statewide request (meets 50% min)
- 92% of the total project cost of \$127,500

| |
|---|
| Staff Recommendation: |
| Staff recommends approval of up to \$10,000 from the Metro Account and \$10,000 from the Statewide Account to fund the project: Water Information / Real Estate Disclosure Tool – H2infO. |

Water Activity Summary: WSRF grant funds, if approved, will assist Peak Spatial Enterprises and Chambers Econ and Analytics continue to develop a water information disclosure tool. The tool is free, online, and uses public data aggregation. The disclosure tool links water supplier information with property buyers and real estate MLS to increase property buyer awareness of address-specific conservation plans, water planning, and municipal water suppliers. The overall goal of the project is to expand the knowledge and water ethic of urban/suburban water consumers and realtors by engaging them early in a home buying process and allowing them to include important water factors in their buying decisions.

The tool consolidates and communicates water information in a user friendly, accessible format allowing users to search by property address. With more than 50,000 annual real estate transactions from Denver County to Pueblo County, these municipal buyers are closely tuned into water metrics and conservation tools that apply to property transactions in which they have a stake. The real estate community is incentivized to use the tool to inform and serve all types of clients. Water suppliers benefit from consumer understanding of supplier details.

The project will: 1) Disseminate Water District Conservation Plans; 2) Provide nexus between Real Estate buyers and State level, Basin level, and District level Water Information; 3) Provide platform to disseminate other key State metrics of interest; 4) Supports the PEPO mission by providing contact with upwards of 45,000 residential real estate buyers/year in the selected counties who otherwise would likely not be water information consumers; and 5) Interact with State level Real Estate MLS services to disseminate critical water consumer information.

Discussion: As described in the Metro Roundtable chair's recommendation letter, this project was supported and recommended for approval on August 10, 2017. The Metro Roundtable evaluated the grant application, received briefings from the requestor and made recommendations for implementation (e.g. adding Adams County to the pilot county listing). The Metro Roundtable believes the tool offers tangible value to water providers and innovative and transparent access to Colorado homebuyers, the real estate market, current water consumers, and the business community engaged in real estate transactions. With Colorado's surging population this proposed grant introduces new residents moving to, and buying homes in, Colorado to the conservation ethic and supporting water provider conservation plans directly linked to their real estate purchase. The project serves the mission of Colorado's Water Plan as a public good.

Issues/Additional Needs: No additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

| <u>Funding Source</u> | <u>Cash</u> | <u>In-Kind</u> | <u>Total</u> |
|--|--------------------|-----------------------|---------------------|
| Peak Spatial and Chambers Econ and Analytics | \$47,500 | \$0 | \$47,500 |
| Colorado's Water Plan Grant (CWCB) | \$60,000 | n/a | \$60,000 |
| Subtotal | \$107,500 | \$0 | \$107,500 |
| WSRF Metro Account | \$10,000 | n/a | \$10,000 |
| WSRF Statewide Account | \$10,000 | n/a | \$10,000 |
| Totals | \$127,500 | \$0 | \$127,500 |

CWCB Project Manager: Kevin Reidy

August 15, 2017

Ms. Megan Holcomb and Mr. Craig Godbout
Colorado Water Conservation Board
1313 Sherman St., Rm. 721
Denver, CO 80202

Re: WSRF Grant – Peak Spatial Enterprises Water Information / Real Estate Water Disclosure Site

Dear Megan and Craig:

The Metro Roundtable voted at its August 10, 2017, meeting to approve the grant application for Basin WSRF funds and support of the grant application for Statewide funds for the municipal water provider information and conservation plan disclosure application tool. The Roundtable unanimously approved \$10,000 from the Metro WSRF, with the understanding that the applicant has pending requests for \$10,000 from Statewide WSRF and \$60,000 Colorado Water Plan (CWP) Grant request along stakeholder support letters and contributions pending from key water providers and real estate stakeholders.

The Metro Roundtable evaluated the grant application, received briefings from the requestor and made recommendations for implementation (e.g. adding Adams County to the pilot county listing). This application meets the Threshold and Evaluation Criteria for the WSRF Grant Program. Our Roundtable believes the site offers tangible value to water providers and innovative and transparent access to Colorado homebuyers, the real estate market, current water consumers, and the business community engaged in real estate transactions. With Colorado's surging population this proposed grant introduces new residents moving to, and buying homes in, Colorado to the conservation ethic and supporting water provider conservation plans directly linked to their real estate purchase.

The water information disclosure site will be a free, public data aggregation and disclosure capability accessed through an online map and address based interface linking property addresses to publicly available water provider information. This site is particularly important along the proposed pilot area along the Front Range where more than 55,000 real estate transactions take place annually. The Front Range area also exemplifies the complex boundaries of water providers across the region that further complicate water use transparency and understanding. The proposed disclosure capability offers real estate buyers a more accessible tool to generate greater conservation awareness, water planning, and other key details of their municipal water suppliers. Use of the tool supports a statewide conservation ethic that recognizes the need to work within our arid environment, increases understanding of local conservation practices, and promotes reduction of wasteful behavior. The site will consolidate water provider information and communicate it in easily understood reports with a mapping interface allowing users to search by property location. Municipal users in this initial region are becoming more closely tuned into water metrics and conservation tools that apply to property transactions in which they have a stake. The real estate community is incentivized to use the tool to inform and better serve all types of clients, thus driving a higher level of consumer participation, a necessary step towards the CWP water conservation stretch goal.

August 15, 2017

The project serves the mission of the CWP and as a public good, the Metro Roundtable supports this WSRF grant application. This letter is intended to fulfill the Threshold Criteria B for WSRF Grant Application. The full grant application will be submitted by the applicant. Thank you for your consideration.

Sincerely,

Barbara Biggs

Barbara Biggs, Chairwoman
Metro Roundtable



Last Update: May 19, 2017

Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

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.

If you have questions, please contact the current CWCB staff Roundtable liaison:

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)

| | |
|-----------------------|---|
| | 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) |
| | Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾ |
| Exhibit C | |
| | Map ⁽²⁾ |
| X | Photos/Drawings/Reports – PowerPoint pdf |
| | Letters of Support |
| X | Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.) |
| Contracting Documents | |
| | Certificate of Good Standing ⁽³⁾ |
| | 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.



Last Update: May 19, 2017

| 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: | Sept 2017 |
| Desired Notice to Proceed Date: | January 2018 |

| Water Activity Summary | | |
|--|---|---|
| Name of Applicant | Peak Spatial Enterprises/Chambers Econ and Analytics | |
| Name of Water Activity | Water Information / Real Estate Water Disclosure Site | |
| Approving Roundtable(s) | | Basin Account Request(s) ⁽¹⁾ |
| Metro | | \$10,000.00 |
| | | |
| | | |
| | | |
| | | |
| | | |
| Basin Account Request Subtotal | | \$10,000.00 |
| Statewide Account Request ⁽¹⁾ | | \$10,000.00 |
| Total WSRF Funds Requested (Basin & Statewide) | | \$20,000.00 |
| Total Project Costs | | \$127,500.00 |

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



Last Update: May 19, 2017

| Grantee and Applicant Information | |
|---|--|
| Name of Grantee(s) | Peak Spatial Enterprises |
| Mailing Address | 20220 Twisted Pine Drive, Colorado Springs CO 80908 |
| FEIN | 27-5426675 |
| Grantee's Organization Contact ⁽¹⁾ | Doug Collins |
| Position/Title | President |
| Email | doug.collins@peakspatial.com |
| Phone | 719-338-0245 |
| Grant Management Contact ⁽²⁾ | <u>Lori Koepsell</u> |
| Position/Title | COO |
| Email | Lori.koepsell@peakspatial.com |
| Phone | 719-641-7785 |
| 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). |
| Peak Spatial Enterprises is joined by Chambers Econ and Analytics linking deep understanding of the challenges water supply, operations, and consumer engagement with world class geospatial systems expertise. Peak was established in 2011 by a team of geospatial, defense, and intelligence professionals dedicated to bringing advanced geospatial systems to the wind, water, energy and infrastructure sectors. We operate systems for the Department of Energy, NOAA, the Colorado State Network, and, over the past year have focused our efforts on supporting a water suppliers/providers within Colorado including water districts and municipalities, ditch and irrigation companies, water engineering and infrastructure firms, and Colorado river basin roundtables. |



Last Update: May 19, 2017

| Type of Eligible Entity (check one) | |
|-------------------------------------|---|
| | Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient. |
| | Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises |
| X | Private Incorporated: mutual ditch companies, 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 | |
| X | Education & Outreach | |
| | Other | Explain: |

| 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 | Denver, Adams, Arapahoe, Douglas, El Paso, Teller, and Pueblo |
| Latitude | |
| Longitude | |



Last Update: May 19, 2017

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.

Our proposed water information disclosure tool is a free, online, public data aggregation and disclosure tool linking water supplier information with property buyers and real estate multiple listing service (MLS) to increase property buyer awareness of address specific conservation plans, water planning, and municipal water suppliers. The public's use of the tool directly supports the statewide conservation ethic recognizing the need to work within our arid environment, increases specific understanding of conservation practices, and reduces wasteful behavior.

The tool consolidates and communicates water information in a user friendly, accessible format allowing users to search by property address. With more than 60K annual real estate transactions from Denver to Pueblo Counties, these typically municipal buyers are closely tuned into water metrics and conservation tools that apply to property transaction in which they have a stake.

The real estate community is incentivized to use the tool to inform and serve all types of clients. Water suppliers benefit from consumer understanding of supplier details. Home buyer participation in water understanding and engagement provides the foundation needed to meet the CWP stretch goal.

The project serves the mission of the CWP and as a public good; therefore, matching WSRF funds are sought from Statewide and Basin accounts.

Measurable Results

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

| | | |
|----------|--|--|
| | 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) | |
| X | Other | Explain: Water Supplier details to <u>over 50,000</u> home buyers per year in the initial six county area in the Front Range |



Last Update: May 19, 2017

Water Activity Justification

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).

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](#)).

Our project will:

- Disseminate Water District Conservation Plans
- Provide nexus between Real Estate buyers and State level, Basin level, and District level Water Information
- Provide platform to disseminate other key State metrics of interest
- Supports the PEPO mission by providing contact with upwards of 45,000 residential real estate buyers/year in the selected counties who otherwise would likely not be water information consumers – this is the time that they would most likely be researching this type of information
- Interact with State level Real Estate MLS services to disseminate critical water consumer information

Roundtables

- Arkansas – Pueblo, Teller and El Paso County real estate transactions ~20,000/year
- Metro – Denver, Arapahoe, Douglas County real estate transactions ~35,000/year
- Provides an “always on” information platform for real estate buyers to access, by address, water supplier and water conservation information
- Support Water Districts within those counties by disseminating their conservation plans to consumers
- Provides access information for consumers to better understand their water, wastewater, fire, and other critical information during the real estate buying process.
- Expose the water resource mix to consumers so that they better understand where their water comes from

Water Providers

- Get water conservation plans off the shelf of the Districts and in the hands of a consumer when they are most likely to look at that information
- Promote the good works of all districts within the region
- Get ahead of the question about growing municipal populations and the need for more water and whether the providers are really pushing water use understanding
 - Municipal vs Ag/Industry
 - East Slope vs West Slope

Consumers

- An always on water resource that can be used during the real estate buying process as well as after a purchase as a water information source



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Water Activity Justification

CWP References:

Chapter 1 Page 1-4:

Bullet 4 - Developing a statewide conservation ethic that recognizes the need to work within Colorado's naturally arid environment, increases the understanding of conservation practices, and reduces wasteful behavior.

Bullet 2 - Implementing projects and methods that take into account potential multiple beneficiaries, potential multiple uses, and the effects on river systems on which all Coloradans rely

Chapter 6.3 Water Conservation and Reuse

Page 6-59 Goals

- Promote water efficiency ethic throughout Colorado
- Further integrate land use and water planning

Page 6-65 IBCC Stretch Goal

- Requires "high level of customer participation.."

Page 6-73 Para 6. Water Conservation Education and Outreach and Para 9. Strengthen Partnerships

Proposed effort will move the water discussion into the Real Estate realm and, hopefully, build partnerships with home builder organizations and MLS/real estate entities

Including Water Districts, Regional entities, and non-profits such as Walton Family Foundation to continue to pay for and promote advanced customer knowledge of their conservation plans/efforts and the sources of their water.

Chapter 6.3.3 Land User

The project can include the linkage of Land Use policies along with Water District information.

The real estate disclosure tool sits at the nexus of water supply planning and land-use planning in terms of educating the real estate buyer of the connection between the two.

Arkansas BIP created a policy for integration of land use and water resource planning

South Platte/Metro BIP "many water utilities' current roles are generally limited to providing for water needs within their service areas, with little cross-over to land-use authority." The project provides again provides the potential nexus between water provider information and larger land use authority boundaries by informing real estate buyers of the two overlapping issues.

Chapter 6.3.3 page 6-90 – Strengthen Partnerships

First bullet – water providers and municipalities

Fourth bullet – Home building/construction real estate engagement

Fifth bullet – non-governmental organizations such as the Walton Foundation



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

| 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) |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 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): |
| Metro RT | \$10,000.00 |
| Peak Spatial | \$ |
| Colorado's Water Plan Grant | \$60,000 |
| | |
| | |
| | |
| Total Match | \$10,000.00 |
| 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.

Discussions with CWCB needs assessment personnel working PEPO and SWSI public outreach programs will be complemented by this program which extends water understanding to a very large audience of water consumers beyond what State initiatives currently address. The approach of working water into the real estate discussion at the point of sale serves to educate buyers at a key moment in their decision process making them aware of their unique water supplier situation, the conservation expectations of their situation, and the responsibilities that they have with regard to individual consumption choices.

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.

No relevant TABOR issues



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| Colorado Water Conservation Board | |
|--|---|
| Water Supply Reserve Fund | |
| <u>Exhibit A - Statement of Work</u> | |
| Date: | June 1, 2017 |
| Water Activity Name: | Water Information / Real Estate Disclosure Tool – H2infoO |
| Grant Recipient: | Peak Spatial Enterprises Inc. and Chambers Econ and Analytics, LLC |
| Funding Source: | WSRF |
| 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>Our proposed water information disclosure tool is a free, online, public data aggregation and disclosure tool linking water supplier information with property buyers and real estate multiple listing service (MLS) to increase property buyer awareness of address specific conservation plans, water planning, and municipal water suppliers. The public's use of the tool directly supports the statewide conservation ethic recognizing the need to work within our arid environment, increases specific understanding of conservation practices, and reduces wasteful behavior.</p> <p>The tool consolidates and communicates water information in a user friendly, accessible format allowing users to search by property address. With more than 50,000 annual real estate transactions from Denver to Pueblo Counties, these typically municipal buyers are closely tuned into water metrics and conservation tools that apply to property transaction in which they have a stake.</p> <p>The real estate community is incentivized to use the tool to inform and serve all types of clients. Water suppliers benefit from consumer understanding of supplier details. Home buyer participation in water understanding and engagement provides the foundation needed to meet the CWP stretch goal.</p> <p>The project serves the mission of Colorado's Water Plan and as a public good; therefore, matching Water Supply Reserve Funds sought from Statewide and Basin accounts.</p> | |
| Objectives: (List the objectives of the project) | |
| <p>Online information communication tool to provide water supplier, conservation planning, performance metrics and Colorado Water Plan information to Front Range real estate market participants and professions (buyers, sellers, brokers, agents, mortgage bankers, inspectors and more).</p> <p>Key Objectives include the following: Water Supplier Transparency; Easy Access to Water Conservation Plans; Increased Real Estate Community and Buyer Awareness of Water Supply Information; Expansion of Front Range Citizens Understanding and Interaction with Water Supply Information; Provision of Easily Accessible and User Friendly Water Information focused on Real Property; Provision of Comparative Water Information based on Addresses; Create a Publicly Available Resource for Dissemination of State Required Water Data; Create "Ripple Effect" of public access to consolidate source of accurate and user friendly data on Front Range municipal water supply.</p> | |



Last Update: May 19, 2017

| Tasks |
|--|
| Provide a detailed description of each task using the following format: |
| <u>Task 1 – Define Water Supplier Attributes/Build GeoDatabase</u> |
| Description of Task: <p>The primary objective of this task is to establish the initial list of water supplier attributes to be used in the consumer system. An initial list has been developed and it includes a number of key metrics that we believe will be useful and informative to real estate buyers. The task will determine what State metrics might be accessed as well as metrics that the tech/ops team believes would be most useful to a real estate buyer. The team has already begun this process of identifying and collecting candidate attributes. Possible attributes include:</p> <ul style="list-style-type: none">• Utility Analytical Tools and Performance Metrics<ul style="list-style-type: none">○ Financial position summary including outstanding debt○ Standard & Poor's Bond Rating○ Annual Operations & Management budget per service connection○ Avg. annual investment in capital projects / resource acquisition○ % mix renewable water resources vs. non-renewable Denver Basin○ Avg. annual main breaks per 100 miles of pipe○ American Water Works Association Manual 36 Water Loss audit calculation○ Avg. annual budget for water conservation○ ISO (Insurance Service Office) fire protection rating that drives insurance premiums• Core Infrastructure and Water Resource Mapping• Proximity to Wells/Aquifers/Ditch/Irrigation Companies• Overlay of other utility provider service areas for natural gas and electric• Overlay mapping of Water Conservation Districts, Groundwater Management District's, Fire Protection District's and State & Federal Lands.• Copy of Water Service Provider's Consumer Confidence Report (CCR)• Copy of Water Service Providers Water Conservation Plan |
| Method/Procedure: <p>Technical development of the geodatabase will be accomplished by the Peak team with discussions and meetings with water suppliers primarily conducted by Chambers Econ and Analytics. The methods will include a combination of searching water supplier sites for publicly supplied information as well as direct interactions with water supplier management to determine the accessibility of this information. The team will also discuss the types of information available and required at the State level for inclusion in the geodatabase. The basic conservation plans required at the State level are of particular interest and may be included by connecting to individual water supplier sites or by accessing them through available State repositories.</p> |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| The team will provide a list of attributes and their database structure that will be used to support the water disclosure system. This task will be an iterative task where we propose meeting with the CWCB to coordinate the specific attributes included in the system and any issues that the team might encounter as they develop the database. The team recommends that this task include monthly reviews of the basic database activities up to the point of making the specific determination of included information for the deployed system development and operations. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| Monthly meetings to discuss the database process and results. These meetings will be coordinated with the CWCB upon grant initiation. |



Last Update: May 19, 2017

| Tasks |
|---|
| Provide a detailed description of each task using the following format: |
| <u>Task 2 – Build and Test the Water Disclosure System</u> |
| Description of Task: <p>This task makes up the bulk of the work associated with system implementation. Once the initial task of defining initial attributes is completed the tech team will build and test the user interfaces and connections needed to provide the baseline water disclosure system for public operations. The “build” component includes:</p> <ul style="list-style-type: none">• Populating the geodatabase with selected attributes,• Development of the geospatial retrieval, by address, of the water supplier information,• Development of User Interfaces (mobile/web) to access the information, and• Development of the report(s) that a user might retrieve from the system. <p>Each of these components will be tested by the development team and will be demonstrated to the supporting water grant providers for their input.</p> |
| Method/Procedure: <p>The team will build the basic system and will work with the CWCB and river basin leads to demonstrate the basic functionality as the system evolves. This task is projected to last approximately 3 months depending on the input and modifications required or requested by the Grantor.</p> |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) <p>The deliverables include the initial tested versions of the production database with water supplier attributes, the geospatial address retrieval geoprocessing services, the User Interfaces linked to the retrieval and database, and the report(s) that can be accessed through the system.</p> |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) <p>The online system that includes public access to the retrieval of water supplier information via address selection.</p> |

Repeat for Task 3, Task 4, Task 5, etc.



Last Update: May 19, 2017

| Tasks |
|---|
| Provide a detailed description of each task using the following format: |
| <u>Task 3 – Coordinate with Real Estate MLS and other Beneficiaries</u> |
| Description of Task: This task will be conducted concurrently with system development and will continue through the operational implementation of the system. The team will meet with select Colorado MLS sponsors in the County regions of interest to educate them on the availability of the data and use of the system. The team will work with the real estate community to determine the best ways to provide realtors and their customers the information that they might want to include water supply information as part of the buyer's choice. |
| Method/Procedure: The team will identify candidate Real Estate MLS organizations and will set up and conduct meetings and demonstrations of the system to get their input and provide them the information that they would need to access the system within their organizations. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| List of Real Estate MLS organizations Meeting notes on specific interactions with these MLS groups including any recommendations received as a result of these meetings. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| List of Real Estate MLS organizations Meeting notes on specific interactions with these MLS groups including any recommendations received as a result of these meetings. |



Last Update: May 19, 2017

| Tasks |
|--|
| Provide a detailed description of each task using the following format: |
| <u>Task 4 –Deploy and Operate the Water Disclosure System</u> |
| Description of Task: Following successful testing the system will be migrated to an operational server and the site will be publicly posted for access by the public. The system will operate from the Peak Spatial hosted servers at a secure facility in Colorado Springs. Updates to the database and the system will occur throughout the operational period as new information is identified and added to the system. These updates would include modifications made by water districts as they update their conservation plans and other data that is part of the system. |
| Method/Procedure: The system will operate on a 24/7 basis for use by the public and real estate professionals and organizations as they review possible property acquisitions. The system will be online so there will be operational costs of running the system from the hosting facility along with any updates and maintenance mods that might be required after deployment. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| The operational system running online for the duration of the operational 18 month period. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| The operational system running online for the duration of the operational 18 month period. |



Last Update: May 19, 2017

| Tasks |
|--|
| Provide a detailed description of each task using the following format: |
| <u>Task 5 – System Operations Status</u> |
| Description of Task: During the deployment and operations phase of the task the team will collect metrics on the use of the system to determine the effectiveness and utility of the data provided to the public. This data collection effort will be coordinated during the development phase of the task so that metrics can be collected to determine basic information about the site. The team will prepare quarterly updates on use of the site for the CWCB and will use this information to update and modify the site during the operational period to better serve the information needs of the public and the benefactors of the system |
| Method/Procedure: The method used for this particular task will be collection of information via web access metrics associated with the site as they are developed during the system development task. The team will include in the design of the system mechanisms to track access and use. The output of this tracking will be the quarterly reports to the CWCB of use of the system |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) |
| Access tracking tools for the system Quarterly reports to the CWCB during the operational period. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) |
| Quarterly reports on access and use of the system. |



Last Update: May 19, 2017

| Tasks |
|---|
| Provide a detailed description of each task using the following format: |
| <u>Task 6 –Update and Maintain System</u> |
| Description of Task: The team will update and maintain the system during the period of operations as determined to be necessary. This may include modification to the server operating systems, database updates, and any required updates to the geospatial software components. |
| Method/Procedure: The team will make any updates to the system after they coordinate possible activities with the CWCB. Recommendations as to the updates to be made will be accomplished by the tech team and, in coordination with the CWCB, will be made at times that are the least impactful to the public users. |
| Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Updates to the system that allow the system to maintain viability and security through the deployment period. |
| CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) A quarterly report on any updates will be included with the basic operational metrics collected as part of Task 5 – System Operational Status |
| Budget and Schedule |
| <u>Budget:</u> 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. |
| <u>Schedule:</u> 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. |



Last Update: May 19, 2017

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 withhold the last 10% of the entire water activity 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 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.

Last Update: May 19, 2017



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit A - BUDGET AND SCHEDULE (Combined WSRF and CWP)

Date: 5 Sept 2017

Water Activity Name: Water Information/Real Estate Disclosure

Grantee Name: Peak Spatial Enterprises and Chambers Econ and Analytics

| <u>Task No.</u> | <u>Description</u> | <u>Start Date</u> ⁽¹⁾ | <u>End Date</u> | <u>Matching Funds Applicant (cash & in-kind)</u> ⁽²⁾ | <u>Matching Funds CWCB (cash)</u> | <u>WSRF Funds (Basin & Statewide combined)</u> ⁽²⁾ | <u>Total</u> |
|-----------------|--|----------------------------------|-----------------|---|---------------------------------------|---|--------------|
| 1 | Define Water Supplier Attributes/Build GeoDatabase | 1-Apr-18 | 31-May-18 | \$8,000 | \$12,500 | \$2,500 | \$23,000 |
| 2 | Build and Test Water Disclosure System | 1-Apr-18 | 31-May-18 | \$12,500 | \$17,500 | \$5,000 | \$35,000 |
| 3 | Coordinate with Water Supplier / Real Estate Users | 1-Apr-18 | 31-May-18 | \$5,500 | \$15,000 | \$3,000 | \$23,500 |
| 4 | Deploy and Operate Disclosure System - 18 months following publication of site | 1-Apr-18 | 31-Dec-19 | \$12,500 | \$10,000 | \$5,000 | \$27,500 |
| 5 | System Operations Status - Quarterly system use updates during Task 4 | 1-Apr-18 | 31-Dec-19 | \$2,500 | \$2,000 | \$1,500 | \$6,000 |
| 6 | Update and Maintain System - system updates as needed during Task 4 | 1-Apr-18 | 31-Dec-19 | \$6,500 | \$3,000 | \$3,000 | \$12,500 |
| | | | | | | | |
| | | | | | | | |
| Total | | | | \$47,500 | \$60,000 | \$20,000 | \$127,500 |

(1) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(2) Round values up to the nearest hundred dollars.

Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal NTP if prior to the listed "Start Date"

CWCB will withhold the last 10% of the entire grant budget until the Final Report (Deliverable) is completed and accepted (2016 WSRF Criteria & Guidelines).

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



July 20, 2017

To: Colorado Water Conservation Board

ATTN: Colorado Water Plan and WSRF Grant

Subject: Letters of Support – Water Information/Real Estate Disclosure System

In support of the Colorado Water Plan Application, Peak Spatial and Chambers Econ & Analytics are seeking letters of support and possible funding support from the following organizations:

| Organizations | Briefed | Letter | Target Funding |
|-------------------------------------|--|--------|---|
| Colorado Springs Utilities | Briefed on 26 June, Ltr approved on 28 Aug, funding pending | XX | \$2,500.00 Pending approval from Colo Spgs Chamber |
| Aurora Water | Briefed on 13 July, Letter and funding approved 25 Aug | XX | \$2,500.00 |
| Denver Water | Briefed on 11 Aug | XX | \$2,500.00 |
| Metro Round Table | Briefed on 13 July, Approved on 10 Aug | XX | \$10,000.00 |
| South Metro Water Supply Authority | Pending | XX | \$1500.00 |
| Pikes Peak Regional Water Authority | Briefed on 7 June – off for summer | XX | \$1500.00 |
| Pikes Peak Realtors Association | Met with CEO/PPAR on 7 Aug. Next mtg with Government affairs | XX | \$1000.00 |
| | | TOTAL | \$21,500.00 |



July 20, 2017

Our objective is to align the support of each of these participants with the grant process over the remainder of August and into September. We have briefed members of these organizations but require additional time to allow them to follow their internal processes as they consider our requests for support. All, less those with a “pending” status, have indicated that they are initially supportive.

Royal Koepsell

Sean Chambers