

**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	



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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.

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