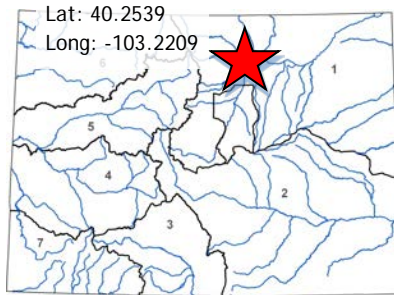




Water Plan Grant Application



| L O C A T I O N | |
|---|---------------------|
| County/Countries: Jefferson, Elbert, Boulder, Broomfield, Larimer, Weld | |
| Drainage Basin: | Metro; South Platte |

| D E T A I L S | |
|-------------------------------|---------------------------|
| Total Project Cost: | \$86,554 |
| Water Plan Grant Request: | \$42,500 |
| Recommended Amount: | \$42,500 |
| Other CWCB Funding: | \$0 |
| Other Funding Amount: | \$5,000 |
| Applicant Match: | \$39,054 |
| Project Type(s): | Other |
| Project Category(Categories): | Conservation and Land Use |
| Measurable Result: | see below |

This proposal adds six Colorado counties; Elbert, Jefferson, Boulder, Broomfield, Larimer and Weld) to the original pilot H2Info Water Provider tool. The team interacted with water providers, buyers, and realtors, to refine the data and tool and will continue to track use metrics. The tool remains a free, online, public data aggregation and disclosure tool linking water provider information with property buyers and realtors 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 conservation ethic recognizing the need to work within our arid environment, increases specific understanding of conservation practices, and reduces wasteful behavior.

This expansion adds more than 150 additional water providers and doubles the potential home buyer interactions with 120,000 annual transactions along the Front Range counties. 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.

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).

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.



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Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

| | |
|--|---|
| Name of Applicant | Peak Spatial Enterprises |
| Name of Water Project | Colorado's H2infO Water Provider Tool – Phase 2 |
| CWP Grant Request Amount | \$42,500.00 |
| Other Funding Sources _____ | \$ |
| Other Funding Sources <u>Chamber Econ& Analytics</u> | \$ 2,500.00 (in-kind) |
| Other Funding Sources <u>Aurora Water</u> | \$ 2,500.00 (cash) |
| Applicant Funding Contribution | \$39,054.00 (\$31,460 cash & \$7,594 in-kind) |
| Total Project Cost | \$86,554.00 |



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| Applicant & Grantee Information | |
|---|--|
| Name of Grantee(s) | Peak Spatial Enterprises |
| Mailing Address | 309 Green Leaf Street, Unit A, Fort Collins CO 80524 |
| FEIN | 27-5426675 |
| Organization Contact | Doug Collins |
| Position/Title | President |
| Email | doug.collins@peakspatial.com |
| Phone | 719-338-0245 |
| Grant Management Contact | Lori Koepsell |
| Position/Title | Chief Operating Officer |
| Email | lori.koepsell@peakspatial.com |
| Phone | 719-641-7785 |
| Name of Applicant (if different than grantee) | |
| Mailing Address | |
| Position/Title | |
| Email | |
| Phone | |
| Description of Grantee/Applicant | |
| Provide a brief description of the grantee's organization (100 words or less). | |
| <p>Peak Spatial Enterprises, with support from Chambers Econ and Analytics, links world class geospatial systems expertise with a deep understanding of the challenges water supply, operations, and consumer engagement. Peak was established in 2011 by a team of geospatial and systems professionals dedicated to bringing advanced geospatial systems to the wind, water, energy and infrastructure sectors. We built and deployed the original H2info Water Provider pilot tool and continue to operate and maintain that tool on a 24/7 basis. We participate in basin RTs and regional water meetings to educate and advertise the pilot capabilities and are poised to update and track use going forward.</p> | |



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| 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: Private parties may be eligible for funding. |
| | Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature. |
| | Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes . |

| Type of Water Project (check all that apply) | |
|--|---|
| | Study |
| | Construction |
| X | Identified Projects and Processes (IPP) |
| | Other |

| Category of Water Project (check the primary category that applies and include relevant tasks) | | |
|--|---|----------|
| | | |
| | Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i> | |
| X | Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i> | |
| | Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i> | |
| | Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i> | |
| | Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i> | |
| | Other | Explain: |



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Location of Water Project

Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.

| | |
|------------------|--|
| County/Countries | Jefferson, Elbert, Boulder, Broomfield, Larimer, and Weld Counties |
| Latitude | |
| Longitude | |

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.

The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

This proposal adds six Colorado counties; Elbert, Jefferson, Boulder, Broomfield, Larimer and Weld) to the original pilot H2info Water Provider tool. The team interacted with water providers, buyers, and realtors, to refine the data and tool and will continue to track use metrics. The tool remains a free, online, public data aggregation and disclosure tool linking water provider information with property buyers and realtors 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 conservation ethic recognizing the need to work within our arid environment, increases specific understanding of conservation practices, and reduces wasteful behavior.

This expansion adds more than 150 additional water providers and doubles the potential home buyer interactions with 120,000 annual transactions along the Front Range counties. 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.



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| Measurable Results | | |
|--|---|----------|
| To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable: | | |
| | New Storage Created (acre-feet) | |
| | New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive | |
| | Existing Storage Preserved or Enhanced (acre-feet) | |
| | Length of Stream Restored or Protected (linear feet) | |
| | Efficiency Savings (indicate acre-feet/year OR dollars/year) | |
| | Area of Restored or Preserved Habitat (acres) | |
| | Quantity of Water Shared through Alternative Transfer Mechanisms | |
| X | Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning | |
| X | Number of Coloradans Impacted by Engagement Activity | |
| | Other | Explain: |

| Water Project Justification |
|--|
| <p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p> |
| <p>Our project will:</p> <ul style="list-style-type: none">• 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 <p>Roundtables</p> <ul style="list-style-type: none">• Arkansas – Pueblo, Teller and El Paso County real estate transactions ~20,000/year |



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- Metro – Boulder, Broomfield, Jefferson, Denver, Arapahoe, Douglas County real estate transactions ~75,000/year
- South Platte-Elbert, Weld, and Larimer~35,000
- 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 consumer access to information allowing them to better understand their water situation 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 water providers 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

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



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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

Related Studies

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

This grant request builds on the Water Provider Information Tool pilot program that included the southern Front Range counties of Pueblo, Teller, El Paso, Douglas, Arapahoe, Denver and Adams.

The work also builds on user input from the initial pilot program along with new feedback from the large water providers in the Front Range (Denver Water, Colorado Springs Utilities, and Aurora Water) as well as regional water organization input from the Pikes Peak Regional Water Authority and the Metro, South Platte, and Arkansas roundtables..



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Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

Previous CWCB and WSRF grants for the initial pilot program are as follows:

Applicant Name: Peak Spatial Enterprises/Chambers Econ and Analytics

Water activity Name: Water Information / Real Estate Water Disclosure Site

Approving RT(s): Metro RT

CWCB board meeting date: Nov 2017

Contract numbers:

- POGG1 PDAA 201800000658 (CWP)
- POGG1 PDAA 201800000845 (WSRF)

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

None



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| Submittal Checklist | |
|---|--|
| X | I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . |
| Exhibit A | |
| X | Statement of Work ⁽¹⁾ |
| X | Budget & Schedule ⁽¹⁾ |
| | Engineer's statement of probable cost (projects over \$100,000) |
| X | Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾ |
| Exhibit C | |
| X | Map (if applicable) ⁽¹⁾ |
| | Photos/Drawings/Reports |
| X | Letters of Support (Optional) |
| X | Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾ |
| X | Certificate of Good Standing with Colorado Secretary of State ⁽²⁾ |
| X | W-9 ⁽²⁾ |
| | Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization) |
| Engagement & Innovation Grant Applicants ONLY | |
| X | Engagement & Innovation Supplemental Application ⁽¹⁾ |

(1) Required with application.

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



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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

| Overview (answer for both tracks) |
|--|
| In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)? |
| The overarching goal is to inform and educate Colorado homebuyers of the water providers that service their home purchase. |
| Who is/are the target audience(s)? How will you reach them? How will you involve the community? |
| Primary: Realtors and realtor associations/Homebuyers Secondary: Water Providers and Utilities |
| Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources? |
| This project engages the real estate and homebuying marketplace as well as the full range of water providers across the tool area from large water utilities to small water districts. The tool engages regional water organizations and promotes the connection of water conservation organizations. Water utilities, conservation districts, county assessors (El Paso) and real estate associations are all long term sponsors and beneficiaries. |



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| Overview (answer for both tracks) |
|--|
| |
| Describe how you plan to measure and evaluate the success and impact of the project? |
| The team will use Google Analytics to track tool usage and will be attending constituent meetings at realtor associations, regional water organizations, basin roundtables and special district meeting in addition to working directly with the large water utilities in the tool area (Denver Water, Colo Spgs Utilities, Aurora Water, and Greeley) |
| What research, evidence, and data support your project? |
| We have initial feedback and support from the seven county pilot version of the product that has been operating for about 6 months. |
| Describe potential short- and long-term challenges with this project. |
| Primary challenge is penetrating the realtor marketplace and becoming more widely used. We intend to spend focused efforts on educating the realtor associations and using water education paths to showcase the tool and the data. |

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

| Engagement Track |
|--|
| Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys." |
| The primary focus of this tool is to provide a public facing water information tool that gets water information in the hands of the consumer at a point in time when they are making a home buying decision. There are over 120,000 home buying transactions in the proposed tool expansion and each of those transaction is an opportunity to make sure the buyer knows their water provider details. |
| Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional. |
| We don't expect 120,000 interaction per year but we are targeting 1,000 hits/users per month when the tool is up and running. We will continue to operate the tool 24/7 and will be interacting with the target constituents as part of the grant but also beyond the expansion period. Google Analytics allows us to track the actual use and gauge the quality of the interactions as well. |



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| |
|--|
| Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s). |
| |
| Describe how the project achieves the basin roundtable's PEPO Education Action Plans. |
| |

| Innovation Track |
|--|
| Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado. |
| This public facing tool occupies a relatively unique space in the innovation and information delivery in that it crosses water provider jurisdictional areas and targets users when they are examining the details of a major financial transaction. The tool assembles relatively hard to collect data across the most complex service area jurisdiction areas in the State |
| Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges. |
| This tool leverages the geospatial systems tools that have been used to provide more analytical assessments of water professionals and flips the use of the tool to provide a more consumer focused tool that takes advantage of mobile devices and locations services. |
| Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge? |
| No specific TAP-IN connection but it advances the need for the water provider and infrastructure community to connect more directly with the water consumer/user. |
| Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation. |
| |

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| Colorado Water Conservation Board |
|-----------------------------------|
| Water Plan Grant - Exhibit A |

| Statement Of Work | |
|---|---|
| Date: | 30 Jan 2020 |
| Name of Grantee: | Peak Spatial Enterprises |
| Name of Water Project: | Colorado's H2inf0 Water Provider Tool – Phase 2 |
| Funding Source: | Colorado Water Plan - Conservation |
| Water Project Overview: | |
| <p>This proposal adds six Colorado counties; Elbert, Jefferson, Boulder, Broomfield, Larimer and Weld, to the operational pilot tool. The team interacted with water providers, buyers, and realtors, to refine the data and tool and will continue to track tool use metrics and update the tool based on user input. The tool remains a free, online, public data aggregation and disclosure tool linking water supplier information with property buyers and realtors 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 conservation ethic recognizing the need to work within our arid environment, increases specific understanding of conservation practices, and reduces wasteful behavior.</p> <p>This expansion adds more than 150 additional water providers and doubles the potential home buyer interactions with 120,000 annual transactions along the Front Range counties. 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> | |
| Project Objectives: | |
| <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:</p> <p>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> | |



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| Tasks |
|---|
| Task 1 – Geographic Expansion |
| Description of Task: <p>Expand the geographic area of the tool to encompass the remaining urban counties in urban Denver metro area (Jefferson, Clear Creek, Boulder, Broomfield, Elbert), and the Northern Colorado Front Range Counties (Weld, Larimer). This expansion would add approximately 150 new water providers to the tool’s database and complete the Denver metropolitan area reach for realtors as well as posture the tool to accommodate the northern Front Range municipalities of Greeley, Longmont, Loveland, and Fort Collins. These burgeoning metro areas now have water district boundary jurisdiction issues that are beginning to grow with the population</p> |
| Method/Procedure: <p>This task will be accomplished through provider research and public data collection and addition to the existing tool database. The source data will be from the State Department of Local Affairs, the Special District Association, the State HB-1015 datasets, and from individual water provider websites.</p> |
| Deliverable: <p>The deliverable will be seen in the deployment and addition of these new counties and water providers in the online tool.</p> |



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| Tasks |
|---|
| Task 2 – Refine/Update Water Provider Attributes |
| Description of Task: <p>Review the current content of the tool. Refine existing data as needed and consider prioritizing the attributes based on user experience.</p> <ul style="list-style-type: none">• What other factors would realtors want to know?• What do water providers want their customers to know?• What do home buyers want to know?• What would the CWCB and the basin RTs want these customers to know? |
| Method/Procedure: <p>The team will review the existing and added data to determine the universality of the content to make sure that the attributes are generally available across all water providers. The team will also reach out to the user base of realtors and water providers to better understand what makes the site and data useful and informative to them. These outreach events will include attending regional water organization and State basin roundtable events as well as Special District Association and realtor association meetings.</p> |
| Deliverable: <p>The deliverable will be an evolving system response that adjusts the report contents based on the inputs received from this task. The database will also be modified if new attributes are added or deleted.</p> |



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| Tasks |
|--|
| Task 3 – User Interface Modifications |
| <p>Description of Task:</p> <p>The operating pilot H2info interface accommodates desktop and tablet interactions. It also requires a few more steps than may be desired by users, based on input from the Phase 1 implementation. The interface could be simplified and possibly revised to support smart phone interactions either through a more responsive web interface or through the creation of an app for Android or Apple phones.</p> |
| <p>Method/Procedure:</p> <p>The development team will work on top priority user improvements as they are received from user interactions and feedback. These improvements will focus on usability and information delivery. The feedback may come from Task 3 and 5 where the team will get a sense of how the tool is being used and on what types of platforms. The interface mods could include more report types, different display interactions based on different types of searches and more comparative displays of attributes or providers.</p> |
| <p>Deliverable:</p> <p>New interfaces will tested in house and deployed on the site as the new interfaces are developed.</p> |



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| Tasks |
|---|
| Task 4 – Track Metrics |
| Description of Task: <p>The pilot project (Phase 1) included initial tracking of metrics for the tool. This tracking will be extended and expanded during the Phase 2 effort. Phase 1 metric tracking uses Google Analytics which provides solid general information about users and their behaviors. This initiative would focus on enhancing the metrics so that the water and realtor communities can evaluate, in more detail, the utility and impact of the tool and data.</p> |
| Method/Procedure: <p>The team will use Google Analytics to track the use and performance of the Phase 2 implementations. This approach will continue the processes set up during the pilot program and will be reported to the CWCB during the grant period.</p> |
| Deliverable: <p>The team will operate a Google Analytics assessment capability that will evolve as new information is received from users and as the tool metrics dictate. Results will be published in the monthly progress reports to CWCB.</p> |



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| Tasks |
|--|
| Task 5 – Extend Outreach and Advertising |
| Description of Task: Engage the CWCB and other State and Regional water entities, as well as water providers included in the tool, to get their help and contacts in advertising the tool, its use, and its content. Help identify those “influencers” in the different target user communities (e.g. realtors, title companies, assessors, water organizations) and meet with them to discuss their interests and understand their needs. |
| Method/Procedure: The team will continue to participate in Metro, South Platte, and Arkansas basin roundtables as well as regional water authorities (e.g. Pikes Peak, South Metro Water) as well as work with large water utilities (e.g. Colorado Springs Utilities, Denver Water, Aurora Water) to engage water providers in the system. Realtor associations and larger realtor affiliates will also be targeted to build up the homebuyer participation. Finally the team will work directly with the CWCB to engage other public relations activities within the State water community to publish the tool’s capabilities and existence. The team will also pursue, as part of this task, an email campaign directed at the water provider and realtor segments to advertise new capabilities as they are deployed. |
| Deliverable: Meetings, presentations, and email outreach to the constituent beneficiary groups |



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| Tasks |
|--|
| Task 6 –Operations and Maintenance |
| Description of Task: Peak Spatial will continue to operate the tool and will perform updates and maintenance through the period of the Phase 2 efforts. The Peak and Chambers Econ team will selectively attend realtor and water provider events to present capabilities, promote the tool’s data and utility as well as the larger message of consumer water understanding and participation. |
| Method/Procedure: The water provider tool will operate out of the team’s leased secure server facility in Colorado Springs using hardware, software and communications provided by the team. The software and database will be backed up and secured. |
| Deliverable: System and software operating continuously on the team’s systems. The objective of the tool is to have it available on a 24/7 basis minus any maintenance of system updates that might take place during the grant period. The team expects to keep the system operating beyond the grant period using sponsor financing. |



Last Updated: July 2019

Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.



Last Updated: July 2019

Performance Measures

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit B

Budget and Schedule

Prepared Date: 30 January 2020

Name of Applicant: Peak Spatial Enterprises/Chambers Econ & Analytics

Name of Water Project: Colorado's H2info Water Provider Tool - Phase 2

Project Start Date: 1 May 2020

Project End Date: 31 Dec 2020

| Task No. | Task Description | Task Start Date | Task End Date | Grant Funding Request | Match Funding | Total |
|----------|---|-----------------|---------------|-----------------------|---------------|----------|
| 1 | Geographic Expansion | 1-Jun-20 | 1-Nov-20 | \$20,000 | \$1,120 | \$21,120 |
| 2 | Refine/Update Water Provider Attributes | 1-Jun-20 | 1-Jan-21 | \$12,500 | \$1,540 | \$14,040 |
| 3 | User Interface Modifications | 1-Jun-20 | 1-Jan-21 | \$10,000 | \$7,600 | \$17,600 |
| 4 | Track Metrics | 1-Jun-20 | 31-May-21 | \$0 | \$6,400 | \$6,400 |
| 5 | Extend Outreach and Advertising | 1-Jun-20 | 31-May-21 | \$0 | \$11,294 | \$11,294 |
| 6 | Operations and Maintenance | 1-Jun-20 | 31-May-21 | \$0 | \$16,100 | \$16,100 |
| | | | | | | \$0 |
| | | | | | | \$0 |
| Total | | | | \$42,500 | \$44,054 | \$86,554 |



Colorado Water Conservation Board
Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Prepared Date: 30-Jan-20
Name of Applicant: Peak Spatial Enterprises
Name of Water Project: Colorado's H2infO Water Provider Tool - Phase 2

EXAMPLE B: Engineering

| Sub-task | Job Categories | | | | | Other Direct Costs | | | | | Task/Project Totals | CWCB Funds | Matching Funds |
|---|------------------------|--|---------------------------------------|----------------------------|-----------|---------------------|-----------------------|----------|----------|----------|------------------------|------------|-------------------|
| | Senior Project Lead | Senior Water Resources Engineer/ Consultant | Systems Engineer/ Software Lead | Geographic Systems/GISP | | Hosting/ Comm | Operating Software | Site URL | Mileage* | | | | |
| Rates | \$ 100 | \$ 120 | \$ 110 | \$ 90 | Subtotal | | | | | Subtotal | | | |
| | Estimated Hrs per Task | | | | | ODC Operating Costs | | | Trips | | | | |
| Task 1 - Geographic Expansion | 40 | 8 | 16 | 160 | \$ 21,120 | | | | | | \$21,120 | \$ 20,000 | \$ 1,120 |
| Task 2 - Refine Water Provider Attributes/Reports | 60 | 0 | 24 | 60 | \$ 14,040 | | | | | | \$14,040 | \$ 12,500 | \$ 1,540 |
| Task 3 - User Interface Modifications | 40 | 10 | 80 | 40 | \$ 17,600 | | | | | | \$17,600 | \$ 10,000 | \$ 7,600 |
| Task 4 - Track Metrics | 20 | | 40 | | \$ 6,400 | | | | | | \$6,400 | \$ - | \$ 6,400 |
| Task 5 - Extend Outreach/Advertising | 90 | 10 | | | \$ 10,200 | | | | \$ 1,094 | \$ 1,094 | \$11,294 | \$ - | \$ 11,294 |
| Task 6 - Operations and Maintenance | 16 | | 40 | 40 | \$ 9,600 | \$ 1,200 | \$ 5,000 | \$ 300 | | \$ 6,500 | \$16,100 | \$ - | \$ 16,100 |
| TOTAL | 266 | 28 | 200 | 300 | 78960 | | | | | 7594.00 | \$86,554 | \$ 42,500 | \$ 44,054 |

*assumes six trips to Denver and Longmont (SP and Metro RTs) and 4 trips to Colo Spgs (PPRWA/Ark RT)

2064 miles @ \$0.53/mile



2 April 2020

Colorado Water Conservation Board
ATTN: Colorado Water Plan Grant Application
1313 Sherman Street
Denver, CO 80203

Subject: Letter of Matching Commitment – Colorado's H2infO Water Provider Tool – Phase 2

Reference: 2020 Colorado Water Plan Grant Criteria and Guidelines

Peak Spatial Enterprises, Inc. is pleased to offer cash and in-kind support toward the Colorado's H2infO Water Provider Tool as described in more detail in the CWP Applications and Exhibit B/Budget and Schedule.

We are committing \$31,460 of cash support to accomplish parts of each of the six tasks described in the grant with the bulk of the funds allocated toward user interface mods (Task 3) and complete funding of operational tasks (4-6) for this project.

Our in-kind contributions of \$7,594, include use of our existing software, server hardware, hosting costs, and communications as well as mileage/travel for the proposed project throughout the period of performance. These contributions support all development and deployment activities as well as operational use.

Additionally, we have received a \$2,500 cash commitment from Aurora Water and an in-kind commitment of \$2,500 from Chamber Econ & Analytics for this effort. The total matching funds for this project are \$44,054 and are reflected in the budget spreadsheets.

We look forward to advancing the CWCB and Roundtable missions, the Colorado Water Plan, and improving consumer knowledge of their water resources and providers through this unique outreach to real estate buyers.

Should you have any questions or need any additional information, please contact the undersigned at (719) 338-0245 or via email at doug.collins@peakspatial.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Collins", written over a horizontal line.

Douglas R. Collins
President



ST. VRAIN AND LEFT HAND WATER CONSERVANCY DISTRICT
9595 Nelson Road, Suite 203 • Longmont, CO 80501 • 303-772-4060 • www.svlhwcd.org

February 7, 2020

Mr. Kevin Reidy
Colorado Water Conservation Board
1313 Sherman St., Rm. 721
Denver, CO 80202

Re: CWCB Grant Initiative – Peak Spatial Enterprises Water Information / Real Estate Water Disclosure Site – Phase 2

Dear Kevin:

On behalf of the St. Vrain and Left Hand Water Conservancy District, I am writing in support for the subject grant initiative from Peak Spatial Enterprises.

I recently met with Royal Koepsell, Peak Spatial Enterprises, and he informed me of the plans to include water districts, including Conservancy Districts, from Weld and Larimar Counties into the proposal. I believe this effort will improve the public connection of water providers with realtors and new home buyers in Colorado.

Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sean T. Cronin".

Sean T. Cronin
Executive Director



3164 Maddison Avenue
Loveland, CO 80538

April 7, 2020

Colorado Water Conservation Board
Attn: Colorado Water Plan Grant Application
C/O Mr. Kevin Reidy
1313 Sherman Street
Denver, CO 80203

Re: 2020 CWP Grant Ltr. of Support – Colorado H2infO Water Provider Data and Mapping Tool

To Whom It May Concern:

Chambers Econ & Analytics is pleased to partner with Peak Spatial and the stakeholders in support the expansion of the municipal water info and transparency tool known as H2Info Colorado. The pilot project started in 2017 with an effort to aggregate data and geospatial mapping for five I-25 corridor Front Range Counties where municipal water provider boundaries were complicated. The initial pilot area grew to seven central Front Range counties with the involvement of Denver metro area stakeholders including Aurora Water. Chambers Econ supported the Peak Spatial team in their data development, curation, and outreach. Together we developed a searchable database and geospatial tool that is public facing, free and user friendly. The H2infO tool aggregates basic water utility information, which includes various attributes of the provider and hyperlinks to water conservation plans, consumer confidence reports, and the water providers' web pages. The urban Front Range and its citizens would benefit from improved access to aggregated municipal water provider information and in particular quick links to their water conservation programs.

Chambers Econ & Analytics strongly supports the transparency and public good provided by the tool. We are pleased to support the project's development and subsequent work to aggregate the data and map the entire urban Front Range corridor, consisting of 12 counties. Therefore, Chambers Econ commits to provide \$1,500 of in-kind work in support of this subsequent work.

Best,

Sean P. Chambers
Principle

Mr. Kevin Reidy
Colorado Water Conservation Board
1313 Sherman St., Rm. 721
Denver, CO 80202

Re: CWCB Grant Initiative – Peak Spatial Enterprises Water Information / Real Estate Water Disclosure Site – Phase 2

Dear Kevin:

The Metro Roundtable voted at its January 9, 2020 meeting to provide a letter of support for the subject grant initiative from Peak Spatial Enterprises.

Royal Koepsell, Peak Spatial Enterprises, presented the Phase 2 Water Provider Information Tool initiative details and rationale to the roundtable and the group unanimously agreed to provide a letter of support for the proposed activities. The Metro RT supported the initial Pilot Program for this effort, is encouraged by the results and is excited about adding more counties to the tool while refining the attributes and functionality of the tool for realtors, homebuyers, and water providers.

We are particularly interested in the addition of Jefferson, Elbert, Boulder, and Broomfield Counties filling out the Denver metropolitan area and the potential of including the South Platte RT's Weld and Larimar Counties. We look forward to participating in a continuing review capacity for this effort and supporting the public connection of water providers with realtors and new home buyers in Colorado. Our roundtable continues to believe that 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.

The water information disclosure site will continue to 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. Enhancements to the pilot program tool will add six additional counties to the tool making it more comprehensive in coverage of the urban Front Range from Pueblo Count in the south to Larimer and Well Counties in the north. Approximately 150 new water providers will be added to the tool making it more generally useful for realtors and developers in Colorado.

This letter is intended to provide advocacy and support for the proposed grant activities as presented at our roundtable meeting. We understand that the applicant will be working the final grant application details with you in the coming weeks. Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Barbara Biggs".

Barbara Biggs, Chairwoman
Metro Roundtable

Mr. Kevin Reidy
Colorado Water Conservation Board
1313 Sherman St., Rm. 721
Denver, CO 80202

Re: CWCB Grant Initiative – Peak Spatial Enterprises Water Information / Real Estate Water Disclosure Site – Phase 2

Kevin:

The South Platte Roundtable voted at its April 14, 2020 meeting to provide a letter of support for the subject grant initiative from Peak Spatial Enterprises. A quorum was present, and the vote was unanimous.

Royal Koepsell, Peak Spatial Enterprises, presented the Phase 2 Water Provider Information Tool initiative details and rationale to the roundtable and the group agreed to provide a letter of support for the proposed activities.

We look forward to participating in on-going reviews for this effort and supporting the public connection of water providers with realtors and new home buyers in the South Platte basin. Our roundtable believes that 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.

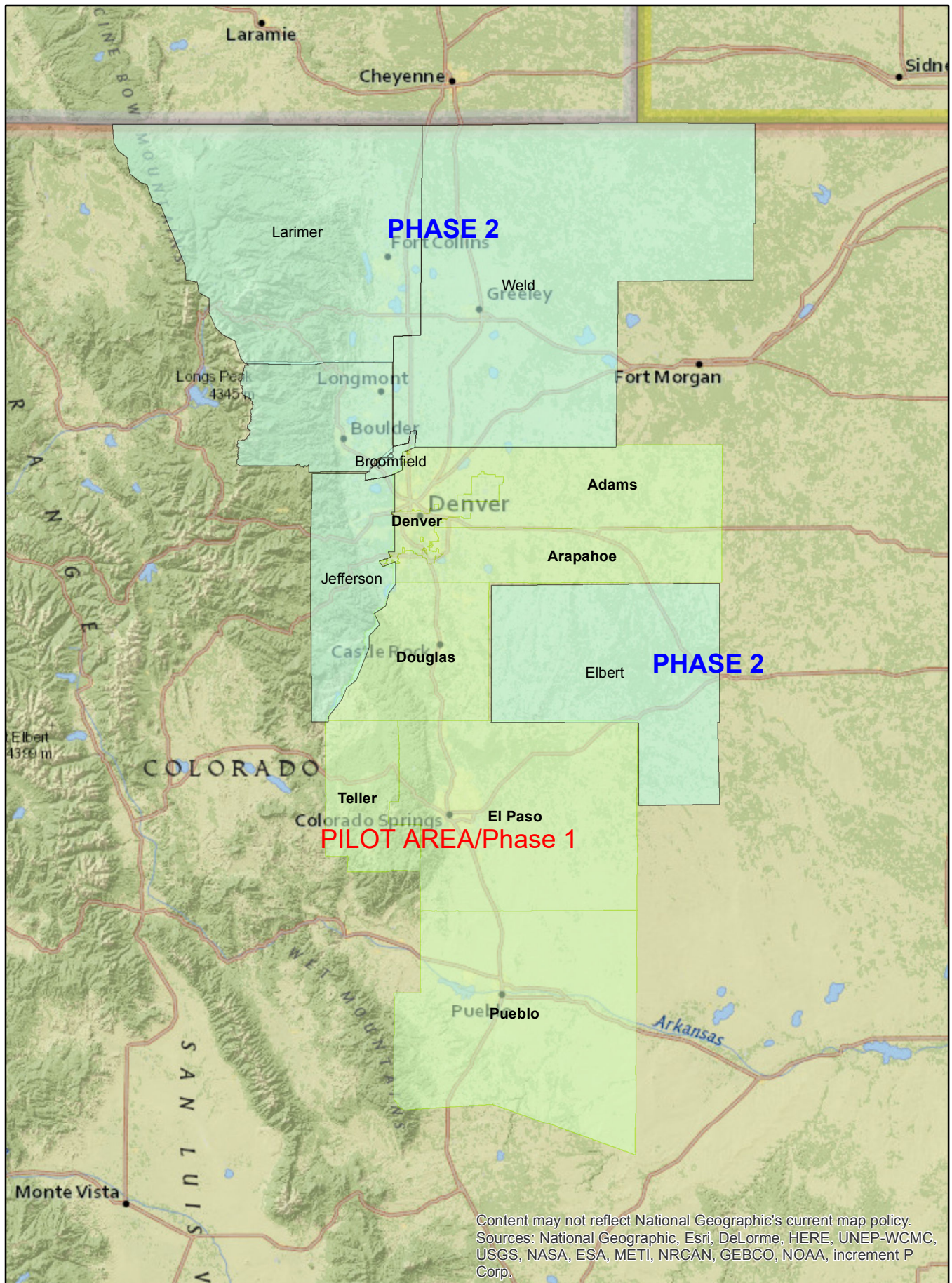
The SPBRT wants to ensure that the water information tool will continue to be a free, public data aggregation and disclosure capability accessed through an online map and address based interface linking property addresses to publicly available water provider information.

This letter is intended to provide advocacy and support for the proposed grant as presented at our roundtable meeting. Thank you for your consideration.

Sincerely,



Garrett Varra, Chair
South Platte Basin Roundtable



Content may not reflect National Geographic's current map policy.
Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC,
USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P
Corp.