

**Springdale Utah**  
**Secondary Water Metering**

An application to secure WaterSmart grant funds to purchase and install water meters on the Town of Springdale's pressurized secondary water (irrigation) system.

**Applicant**

Town of Springdale, Utah

**Project Manager**

Rick Wixom, Town Manager

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## **Executive summary**

April 24, 2019

Town of Springdale, Utah

Springdale, Washington County, Utah

### **Project Summary**

The project includes efforts necessary to purchase and install water meters on the Town of Springdale's pressurized irrigation system. The Town diverts water from the Virgin River for secondary (irrigation) use. The pressurized system was installed in 1987 and has provided secondary (irrigation) water to the Town from that time. The Town desires to install water meters on its secondary water connections, including town properties and town customers, in order to accurately measure the amounts of water used on each property, promote conservation in the use of secondary water, and accurately assess costs for the secondary water system. The Town works collaboratively with a private shareholder company that also owns water within the Springdale boundaries. Accurate water use will improve this collaboration and ensure accurate cost sharing between the Town and the private company.

Project start date will be based on approval and availability of funds. We anticipate a construction start date of March 2020 (03/20). Construction estimate is approximately two (2) months in duration, ending in May 2020.

The proposed project is not located on a Federal facility.

## **Project Background**

The primary source of the Town's water supply is the Virgin River, which flows through the Town of Springdale. The Town has rights to 365.95 acre-feet of water (approximately 119 million gallons) of surface water from the river. The Town has several other smaller rights that supplement the river right. These water rights are utilized in both culinary and secondary uses. The Town operates a treatment plant which treats approximately 80 million gallons of water per year for culinary purposes. The remainder of the water is used for secondary (irrigation) purposes.

The Town's water rights are among the oldest rights in Washington County. The water rights are part of the Virgin River decree and have a priority date of 1870. Outside of a catastrophic drought, the age of the water right protects the Town from water shortage based on other users.

Secondary water is delivered to town properties and customers via a pressurized piped system. System pressure is provided by 30 and 50 hp pumps at the head of the distribution system. The pressurized system was developed in 1987 and replaced two separate gravity-fed ditch systems. The system infrastructure consists of a diversion structure, approximately 9.39 miles of PVC water pipe, 30 and 50 hp pumps, valves, and so forth. In 2012 the Town made significant improvements to the Town's culinary water system. At that time a 250,000-gallon water storage tank was converted from culinary to secondary use. When full, the tank is able to provide static head pressure to the secondary system. However, as the tank is not presently configured beyond the simplest gravity flow, and generally contains not more than about four feet (4') of water. The secondary system also includes a one-million-gallon pond that, at construction in the late 1980s, was intended to provide static head pressure to the secondary system. However, that pond also provides the raw water supply to the culinary water system. During winter months the pond is connected to the secondary system. During summer months, when a stable supply of culinary water is required, the valves that connect the pond to the secondary system are closed and head pressure is provided by pumping.

The Town's secondary water irrigates approximately 34 acres, consisting of both public properties such as the Town's cemetery, ballfield and parks, as well as private landscapes and gardens. The Town has approximately 73 customer connections ranging in size from 1" to 4" connections. There are no Town customer agricultural connections.

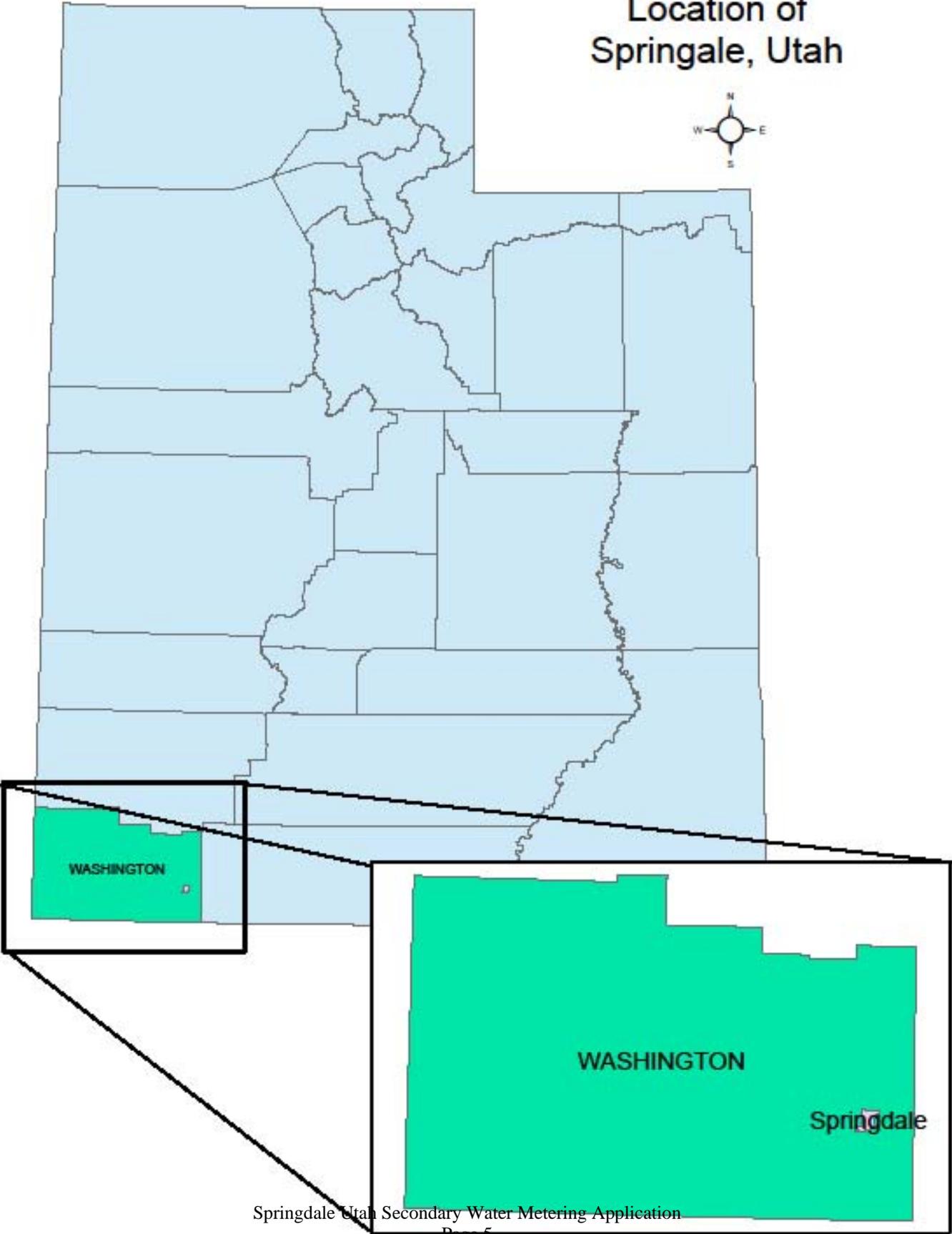
The Town has not had any past working relationships with the Bureau of Reclamation, but is excited about the prospect of the WaterSMART efficiency project.

## **Project location**

The project will be within the geographic boundaries of the Town of Springdale in Washington County, Utah. Springdale is located in eastern Washington County, adjacent to Zion National Park, and is approximately 45 minutes (40 miles) east of St. George, Utah. "Downtown" Springdale is located at latitude 37°11'19.61"N and longitude 112°59'58.08"W.

Please see location map on next page.

# Location of Springdale, Utah



## **Technical Project Description and Milestones**

Each existing secondary water connection includes a lateral connecting the property to the irrigation main, a town-owned valve that allows water to be shut off as necessary, and other equipment such as filters, valves, irrigation controllers necessary to irrigate the adjoining landscape. The project will purchase water meters capable of accurately measuring water that varies in quality from very low turbidity to extremely high turbidity, sediment laden water. Several meters have been tested to ensure they are able to meter in this demanding environment. Meters will be purchased by the Town and provided to the installation contractor.

The installation contractor will be selected using a competitive bid process as required by state and local procurement codes. The contractor will be responsible for installing the meter, meter box, meter setter, valves and other related components. As we have meters of varying sizes, unique characteristics required for the installation for each size will be specified in the procurement. For instance, a 1" meter will require a standard meter box. A 2" or 4" meter may require a concrete vault to be installed to house the meter.

The Town presently has seventy-three (73) secondary water customers, with connections ranging in size as follows: sixty-nine (69) 1" connections, three (3) 1.5" connections, and one (1) 4" connection. The Town properties (cemetery, parks, town hall, ball field, etc.) have the following connection sizes: one (1) 1" connection, four (4) 2" connections. A total of seventy-eight (78) meters of various sizes.

All the project work will be completed in previously disturbed areas where existing water line are installed. As such environmental concerns are minimal.

The Town Manager, as the Project Manager, will provide overall project management, including environmental compliance, and project reporting and compliance. Town Public Works employees will provide project supervision, resolve issues, and complete tasks relating to construction management. Town finance staff will complete tasks relating to setting up customer accounts, contractor billing and invoicing, and interfacing with vendors.

The Town contracts with Sunrise Engineering, a local engineering firm, to provide engineering services. The Town follows its local procurement code in selecting engineering services. For this project these services include engineering design and preparation of specifications, surveying, bidding and negotiating and some construction management.

Project milestones include the following categories of work. In order to meet a construction window of March 2020, several tasks need to be completed prior to that time. These milestones include:

1. **Project Budgeting.** In anticipation of the project being approved, the Springdale Town Council will include the project in its fiscal year 2020 budget. The budget will include the Town's monetary participation in the project.

2. Environmental Compliance. Once the grant is approved, the Project Manager will work with Reclamation staff to conduct necessary environmental reviews and documentation. As all the project work will be in previously disturbed areas where existing secondary water service laterals are installed, we anticipate environmental compliance to be under a categorical exclusion.
3. Engineering and Design. Upon grant approval Sunrise Engineering will begin necessary project design work. This work will include surveying each secondary water connection to determine if there are any issues with the location that would hamper meter installation. This work will also include preparation of project bid documents and specifications.
4. Construction Bidding. Project bidding will follow engineering and design and will follow state and local procurement codes. We will utilize a competitive sealed bid process to select the project contractor.
5. Construction. Construction is anticipated to take two (2) months from March 2020 to May 2020. Construction will include installation of new secondary water meters, restoration of adjacent landscaping.
6. Reporting. The Project Manager will complete necessary project reporting during and following project completion.

Project outcome??

### **Evaluation Criteria**

1. Project Benefits (35 points). *Up to 35 points may be awarded based upon evaluation of the benefits that are expected to result from implementing the proposed project. This criterion considers a variety of project benefits, including the significance of the anticipated water management benefits and the public benefits of the project. This criterion prioritizes projects that modernize existing infrastructure in order to address water reliability concerns, including making water available for multiple beneficial uses and resolving water related conflict in the region.*

- Describe the expected benefits and outcomes of implementing the proposed project.
- Extent to which the proposed project improves overall water supply reliability.
- The expected geographic scope benefits from the proposed project (e.g., local, sub-basin, basin).
- Extent to which the proposed project will increase collaboration and information sharing among water managers in the region.
- Any anticipated positive impacts/benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism).
- Extent to which the project will complement work done in coordination with NRCS in the area (e.g., with a direct connection to the district's water supply). Describe any on-farm efficiency work that is currently being

completed or is anticipated to be completed in the future using NRCS assistance through EQIP or other programs.

The benefits to the Town's water system from the proposed project are first and foremost water accountability and conservation. As opposed to culinary water connections, all secondary water connections in the Town are presently unmetered. The result of that is often over water and waste of water. When water is metered and data related to the use of water is provided to a user, water conservation improves. Currently the Town imposes a flat monthly rate for secondary water, as opposed to culinary water that is billed in increasing usage tiers that enable conservation through economic forces; as in the more a user takes, the more they are charged. However, not metering secondary does not provide any economic reasons to monitor their water use. The Town has considered moving to a usage rate, but cannot finalize that decision until meters are present. In order to address the needs of water conservation, metering is required to assess the uses of water customers and charge appropriate fees for water infrastructure maintenance.

A secondary benefit to the Town is increased collaboration with other water managers in the area and region. There is a private shareholder water company that also provides secondary water to its shareholders through the Town's pressurized secondary water system. The Town and the private company share the costs of operation and maintenance on the system, but currently do so based on percentages of estimated use. Metering the Town's irrigation use and the Town's customer's use will provide data to both the Town and the private company and result in better collaboration, greater understanding, and cost sharing that is based on specific, relevant data and not on estimates.

2. Planning Efforts Supporting the Project (35 points). *Up to 35 points may be awarded based on the extent to which the proposed on-the-ground project is supported by an applicant's existing water management plan, water conservation plan, System Optimization Review (SOR), or identified as part of another planning effort led by the applicant. This criterion prioritizes projects that are identified through local planning efforts and meet local needs.*

- Describe how your project is supported by an existing planning effort.
- Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?
- Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.

Secondary meters have been included in the Town's planning process since 2009 when the Town updated its Water Conservation and Management Plan. This is one of two high priorities for accountability of secondary water. The Town has recognized for some time the issues identified in the Project Benefits section, namely the lack of accountability that exists in a system that delivers unlimited usage billed at a flat rate. At the time the WCM Plan was prepared the two

largest obstacles in metering the secondary system were meter costs and meters capable of metering low quality/high turbidity water. This grant application provides some relief in the first instance; the cost of the meters. While meters are still expensive, assistance from the Bureau will help make them a reality. The second issue has been resolved by the various meter companies and improving technology that allows for magnetic and ultrasonic meters that work with our challenging water.

3. Project Implementation (10 points). *Up to 10 points may be awarded based upon the extent to which the applicant is capable of proceeding with the proposed project upon entering into a financial assistance agreement. Applicants that describe a detailed plan (e.g., estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates) will receive the most points under this criterion.*

- Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.
- Describe any permits that will be required, along with the process for obtaining such permits.
- Identify and describe any engineering or design work performed specifically in support of the proposed project.
- Describe any new policies or administrative actions required to implement the project.
- Describe how the environmental compliance estimate was developed. Have the compliance costs been discussed with the local Reclamation office?

At the time the grant is approved and a financial assistance agreement entered into, the Town will commence various tasks to begin project implementation. The first of these tasks in engineering work to design the improvements to the various connections where meters will be installed. This will include locating and surveying the secondary water service laterals, identifying the size and location of meter to be installed, identifying site issues related to meter installation such as conflicts with other utility infrastructure, and production of any other information necessary for the construction procurement process. This work will require a month to complete. The Town anticipates this work being done in September-October of 2019.

Once the engineering work is complete, the project will be bid following the Town's adopted procurement policies. The Town requires that any goods or services over \$25,000 follow a sealed bid process to ensure fair competition from the private sector. Bidding processes generally take 2 months from advertisement to bid award and is roughly scheduled for November of 2019 to January of 2020.

During the bidding process, the Town will order the selected water meters. The Town is currently working through a qualification-based selection process to

determine a meter that will work with both the Town's culinary water system and secondary (irrigation) system. The meters will be purchased by the Town to avoid any contractor mark up costs or sales taxes.

Once meters are received, the selected contractor will be given a notice to proceed. The Town anticipates a two-month window for the contractor to install the meters, assuming some contingencies for challenging installations, weather and other issues. Construction should begin on or about March 1, 2020 and be complete by the end of May 2020, near the beginning of the annual irrigation season.

Since the work is being done on Town owned infrastructure, no specific permits are required. The Town will comply with its bidding procedures to require bid, performance, and payment bonds, contractor liability and workers comp insurance coverage. The Town will also act as construction management to ensure that meters are installed according to adopted construction standards.

Administrative actions required by the project include bidding and negotiating, construction management, procurement, purchasing, payroll (for town employees), pay requests (for contractor), and other misc. tasks.

4. Nexus to Reclamation (10 points). *Up to 10 points may be awarded based on the extent that the proposal demonstrates a nexus between the proposed project and a Reclamation project or activity. Describe the nexus between the proposed project and a Reclamation project or activity, including:*
  - Is the proposed project connected to a Reclamation project or activity? If so, how?
  - Will the project benefit any tribe(s)?

The project will ultimately benefit the Paiute Indian Tribe of Utah. The Tribe currently owns a private parcel of land in Springdale (under private ownership, not as a part of Federal Trust lands) that will in the future be developed as a cultural center and museum/gift shop. Currently vacant, the property does not have a secondary water/irrigation connection. However, when development occurs, the Tribe will desire a connection to the secondary system, as well as want to know the amount of water they are using on their property. The Tribe has stated on numerous occasions as their development has been discussed their desire to live in harmony with nature. Information related to water use and metering will enhance their ability to make decisions for their development and property. While not an immediate benefit, it will be in the future. If the project does not move forward and meters are not installed, the Paiute Tribe will be negatively affected.

5. Department of the Interior Priorities (10 points). *Up to 10 points may be awarded based on the extent that the proposal demonstrates that the project supports the Department of the Interior priorities. Please address those priorities that are*

*applicable to your project. It is not necessary to address priorities that are not applicable to your project. A project will not necessarily receive more points simply because multiple priorities are addressed. Points will be allocated based on the degree to which the project supports one or more of the Priorities listed, and whether the connection to the priority(ies) is well supported in the proposal.*

The Springdale secondary water metering project supports a number of Department of Interior priorities, including:

- Utilizing our natural resources. Metering of secondary water will improve knowledge of water use, reduce waste and inefficient use of water, and conserve water for future generations.
- Restoring trust with local communities. Metering will allow greater collaboration with a local private water shareholder company, allow the Town and the private company to more efficiently and accurately share operation and maintenance costs, and ultimately improve the relationship between those two organizations. It will also expand communication and collaboration with regional water managers who will be looking at this project as a stepping stone to future metering of secondary water throughout the area surrounding Springdale.
- Modernizing our infrastructure. Water is a precious resource and Southern Utah is an arid, dry climate. Adding water meters, specifically meters that have the ability to provide near real-time usage data to the customer through a web portal or app, improves the use of water, reduces waste and less efficient use, and improves communication between the Town and the customer.

**Project budget**

Total project cost budget is as follows:

Source	Amount
Costs to be reimbursed with requested Federal funding	\$75,000.00
Costs to be paid by applicant	\$115,842.45
Value of third party contributions	\$0.00
<b>Total Project Cost</b>	<b>\$190,842.45</b>

No project costs are anticipated to be incurred prior to award.

**Funding Plan and Letters of Commitment**

The non-Federal share of the project will be provided by the Town of Springdale as discussed in Resolution 2019-05 (attached), which was approved by the Springdale Town Council on April 17, 2019. The Town will include the project budget in the Town’s operational budget for fiscal year 2020, including the Town’s participation.

**Budget Proposal**

Included below is the Town’s budget proposal utilizing the format found in the FOA:

Budget Item Description		Computation		Quantity Type	Total Cost
		\$/Unit	Quantity		
<b>Salaries and Wages</b>					
Project Manager - Rick Wixom, Town Manager		\$68.63			
	Project Management		20	Hours	\$1,372.60
	Compliance and Reporting (Sec. F.3)		10	Hours	\$686.30
	Environmental Compliance		20	Hours	\$1,372.60
Public Works Superintendent		\$36.25			
	Project Supervision		30	Hours	\$1,087.50
				Hours	\$0.00
Public Works Utilities Supervisor		\$29.26			
	Construction Management/inspection		70	Hours	\$2,048.20
				Hours	\$0.00
Public Works Utilities Operator		\$15.28			
	Construction Management/inspection		70	Hours	\$1,069.60
				Hours	\$0.00
Deputy Treasurer		\$17.93			
	Setting up utility accounts		19.5	Hours	\$349.64
	Accounts payable		20	Hours	\$358.60
<b>Fringe Benefits</b>					
Project Manager		\$30.89	50	Hours	\$1,544.50
PW Superintendent		\$22.40	30	Hours	\$672.00
Public Works Utilities Supervisor		\$20.24	70	Hours	\$1,416.80
PW Operator		\$15.35	70	Hours	\$1,074.50
Deputy Treasurer		\$13.69	39.5	Hours	\$540.76
<b>Supplies and Materials</b>					
Construction Related Materials:					
	1" Water Meter	\$254.00	70	Each	\$17,780.00
	1.5" Water Meter	\$533.50	3	Each	\$1,600.50
	2" Water Meter	\$681.00	4	Each	\$2,724.00
	3" Water Meter	\$1,893.00	0	Each	\$0.00
	4" Water Meter	\$2,285.00	1	Each	\$2,285.00
<b>Contractual/Construction</b>					
Town Engineer (existing contract)					
	Environmental	\$5,000.00	1	Hourly	\$5,000.00
	Initial Survey of Irrigation Valves	\$3,500.00	1	Hourly	\$3,500.00
	Engineering, Design and Specifications	\$5,200.00	1	Hourly	\$5,200.00

	Bidding and Negotiating	\$3,200.00	1	Hourly	\$3,200.00
	Construction Management	\$5,000.00	1	Hourly	\$5,000.00
Meter Installation (sealed bid procurement)					
	Mobilization	\$12,800.00	1	LS	\$12,800.00
	Restore Surface Improvements	\$11,600.00	1	LS	\$11,600.00
	1" Water Meter	\$1,050.00	70	Each	\$73,500.00
	1.5" Water Meter	\$2,450.00	3	Each	\$7,350.00
	2" Water Meter	\$2,650.00	4	Each	\$10,600.00
	3" Water Meter	\$12,200.00	0	Each	\$0.00
	4" Water Meter	\$13,750.00	1	Each	\$13,750.00
Third Party In-Kind Contributions					
	None				\$0.00
Environmental and Regulatory Compliance					
	Reclamation Compliance Review				
	Determination of Environmental Compliance Required	TBD			TBD
	Document Preparation/Review	TBD			TBD
Other					
					\$0.00
<b>Total Direct Costs</b>					<b>\$189,483.09</b>
Indirect Costs					
	De minimus Indirect Rate: Administrative and Facility Costs	10%			\$1,359.36
<b>Total Estimated Project Costs</b>					<b>\$190,842.45</b>

**Budget Narrative**

The budget narrative provides a discussion and explanation of costs included in the budget proposal above.

1. Salaries and wages

Salaries of several Town of Springdale employees are included in the budget proposal for those employees directly involved in the project. These include:

- Town Manager Rick Wixom, who is the identified in the application as the project manager. Salary of \$68.63/hour and an estimated 50 hours of work relative to the project is included. Tasks include project

management, compliance and reporting and environmental compliance are assigned to the project manager.

- Public Works Superintendent. Overall responsibility for all public works employees and operation of the water system. Direct Responsible Charge (DRC) for the water and wastewater systems. Salary of \$36.25 and 30 hours are included for employee. Tasks assigned to the Public Works Superintendent are project supervision.
- Public Works Utilities Supervisor. Supervisor for the Utilities (water and sewer) division of the Public Works Department. Responsible for operation, maintenance and repair of the utility systems. Salary of \$29.26 and 70 hours are included for employee. Tasks assigned employee are construction management and project inspections.
- Public Works Utilities Operator. Utilities Operator in the Public Works Department. Responsible for operation, maintenance and repair of the utility systems. Salary of \$15.28 and 70 hours are included for employee. Tasks assigned employee are construction management and project inspections.
- Deputy Treasurer. Responsible for setting up customer utility billing accounts, metering reading processing, and coordination with Public Works personnel doing meter reading. Also responsible for accounts payable related to the project including contractor pay requests. Salary of 17.93/hour and 49.5 hours are included in the budget proposal for the employee.

Labor rates included in the budget proposal represent the actual labor rates of the included personnel.

## 2. Fringe Benefits

Costs included in this category are costs provided by the town for all full-time employees, including health related costs such as insurance premiums, health savings account employer contributions, long term disability, and payroll related costs such as FICA, workers compensation and Utah payroll taxes. Benefits are calculated as an hourly cost and applied to each hour of time spent on behalf of the project.

## 3. Materials and Supplies

The costs of the water meters are included in materials and supplies. The meters are a significant project cost that can best be provided directly by the Town through its utility suppliers without incurring a contractor mark up or sales tax.

The meter must be able to perform in various conditions, including water with high turbidity or low quality. Because cost is not the determining factor of the meter selection, the Town is using a qualification-based request for proposals (RFP) process to select the meter that will be used. The Town has received several meter proposals and is currently engaged with the meter providers to select the best meter to accomplish the goals of the Town. The meter selected will be utilized in both the culinary water and secondary water systems.

4. Contractual

Contractual services have two component, project engineering and project construction.

Project engineering will be done by Sunrise Engineering, the Town's contracted engineer. The Town Engineer is selected periodically through a qualification-based request for proposal (RFP) process. Sunrise has been the Town's Engineer since 2008.

Project construction will be done by a contractor selected through a competitive sealed bid process. Costs for project construction have been estimated by the Town Engineer and that estimated amount has been included in the budget proposal.

5. Third-Party In-Kind Contributions

No third-party contributions are included in the project.

6. Environmental and Regulatory Compliance

Costs for regulatory efforts by the Town and Reclamation are included in the budget proposal. The Project Manager will be the lead from the Town on preparing environmental documentation, or engaging professional services to accomplish the necessary work. Reclamation will determine the level of environmental review necessary, as well as review any documentation provided by the Town.

7. Other Expenses

No other expenses are included in the budget proposal.

8. Indirect Costs

The budget proposal includes a de minimis amount of indirect costs, equaling 10 percent of direct salaries, wages and fringe benefits. Indirect costs cover administrative and facility costs not directly attributable to the project.

## **Environmental and Cultural Resources Compliance**

1. Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.

Project will not negatively impact the surrounding environment. Work will be done in previously disturbed or landscaped areas where existing water laterals are installed. Earth disturbing work is limited to small excavations necessary to install meter box, setter, and meter. Excavations will be generally limited to one to two cubic yards of

material. Material will be removed in the most unobtrusive way feasible, using a mini-excavator or vactor (pressure water/vacuum) equipment.

2. Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?

Springdale contains habitat to several threatened and/or endangered species, including Willow Flycatcher (bird), desert tortoise, and Virgin Spinedace (fish). Project work will not affect critical habitat of any threatened or endangered species.

3. Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as “Waters of the United States?” If so, please describe and estimate any impacts the proposed project may have.

Both wetlands and “Waters of the United States” both exist within Springdale, which is the project boundary. Because the project consists of work on existing water service laterals in established areas, no impacts to wetlands or surface waters will occur.

4. When was the water delivery system constructed?

The Town’s secondary water system was constructed in 1987.

5. Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.

The project consists of modifying existing secondary water laterals, adding meter boxes, setters and meters to the lateral. Some incidental repair work has been done to various laterals throughout the Town, but no extensive alterations or modifications have been done since the laterals were originally installed.

6. Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.

There are several buildings and features in the area that are eligible for inclusion on the National Register of Historic Places. However, the project will not affect any structure or feature, regardless of eligibility. Project is limited to modifications of existing secondary water laterals.

7. Are there any known archeological sites in the proposed project area?

There are not any known archeological sites in the project area. Some sites exist in the area surrounding Springdale, but no sites will be impacted by the proposed project.

8. Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?

The project will not have an adverse effect on low income or minority populations.

9. Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

The project will not limit access to Indian sites or negatively impact tribal lands. Project will ultimately benefit a private parcel owned by the Paiute Tribe as discussed in "Evaluation" section above.

10. Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?

The project will not contribute to the spread of noxious weeds or non-native species. Necessary site restoration work will replace any disturbed landscaping or existing conditions.

### **Required Permits or Approvals**

The Town will require the contractor to apply for a Utility Encroachment Permit. No other permits are required by the Town. If the work will occur within the Utah Department of Transportation right of way, the contractor will be required to file a UDOT encroachment permit.

Permit requirements will be noted in the project bid documents and specifications.

### **Official resolution**

Official resolution adopted April 17, 2019 is attached on next page.



**RESOLUTION NO. 2019-05**

**A RESOLUTION SUPPORTING A SMALL-SCALE WATER EFFICIENCY  
PROJECT GRANT APPLICATION UNDER THE US BUREAU OF RECLAMATION  
WATERSMART GRANT PROGRAM**

**WHEREAS**, the Town of Springdale intends to apply for funding through the US Bureau of Reclamation's WaterSMART grant program to purchase and install meters on certain connections to the Town's secondary water system; and

**WHEREAS**, if approved, the WaterSMART program requires the Town to enter into a grant or cooperative agreement with the Bureau of Reclamation to administer the grant and the project; and

**WHEREAS**, Utah Code Ann. Section 11-13-202(1)(a) authorizes the governing body of a municipality to enter into interlocal agreements, in this case the Springdale Town Council; and

**WHEREAS**, the Mayor of Springdale is the official with legal authority to sign the grant or cooperative agreement on behalf of the Town; and

**WHEREAS**, the Springdale Town Council supports and approves the grant application to the WaterSMART program for the purposes stated in the application; and

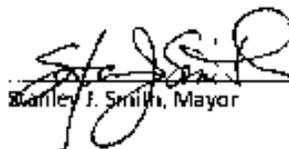
**WHEREAS**, the Town of Springdale has the financial capacity to provide the in-kind funding and contributions specified in the project funding plan; and

**WHEREAS**, the Town of Springdale will work with the Bureau of Reclamation to meet established deadlines for entering into a grant or cooperative agreement;

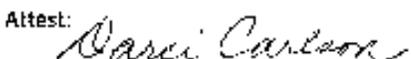
**NOW THEREFORE, BE IT HEREBY RESOLVED** by the Town Council of the Town of Springdale that the Town Council supports and approves the Town's application to the Bureau of Reclamation's WaterSMART grant program to purchase and install water meters on the Town's secondary water system as outlined in the grant application, will work with the Bureau of Reclamation to meet agreement deadlines, and provide the in-kind funding specified in the project funding plan.

This resolution shall become effective immediately upon passage and posting.

Passed and adopted this 17th day of April 2019.

  
Stanley J. Smith, Mayor



Attest:  
  
Darcy Carlson, Town Clerk



**RESOLUTION NO. 2019-05**

**A RESOLUTION SUPPORTING A SMALL-SCALE WATER EFFICIENCY  
PROJECT GRANT APPLICATION UNDER THE US BUREAU OF RECLAMATION  
WATERSMART GRANT PROGRAM**

**WHEREAS**, the Town of Springdale intends to apply for funding through the US Bureau of Reclamation's WaterSMART grant program to purchase and install meters on certain connections to the Town's secondary water system; and

**WHEREAS**, if approved, the WaterSMART program requires the Town to enter into a grant or cooperative agreement with the Bureau of Reclamation to administer the grant and the project; and

**WHEREAS**, Utah Code Ann. Section 11-13-202(1)(a) authorizes the governing body of a municipality to enter into interlocal agreements, in this case the Springdale Town Council; and

**WHEREAS**, the Mayor of Springdale is the official with legal authority to sign the grant or cooperative agreement on behalf of the Town; and

**WHEREAS**, the Springdale Town Council supports and approves the grant application to the WaterSMART program for the purposes stated in the application; and

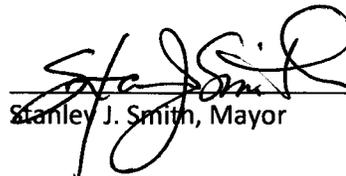
**WHEREAS**, the Town of Springdale has the financial capacity to provide the in-kind funding and contributions specified in the project funding plan; and

**WHEREAS**, the Town of Springdale will work with the Bureau of Reclamation to meet established deadlines for entering into a grant or cooperative agreement;

**NOW THEREFORE, BE IT HEREBY RESOLVED** by the Town Council of the Town of Springdale that the Town Council supports and approves the Town's application to the Bureau of Reclamation's WaterSMART grant program to purchase and install water meters on the Town's secondary water system as outlined in the grant application, will work with the Bureau of Reclamation to meet agreement deadlines, and provide the in-kind funding specified in the project funding plan.

This resolution shall become effective immediately upon passage and posting.

Passed and adopted this 17th day of April 2019.

  
Stanley J. Smith, Mayor



Attest:

  
Darci Carlson, Town Clerk

