



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Flip Your Strip, Localscapes Rewards & Landscape Leadership Grants:

Changing outdoor watering needs through
water-efficient landscaping projects



Applicant:

Jordan Valley Water Conservancy District
8215 South 1300 West
West Jordan, Utah 84088

Program Manager:

Courtney Brown
courtneyb@jvwcd.org
801-565-4399

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D.2.2.4. Technical Proposal



(1) Executive Summary:

April 24, 2019

Jordan Valley Water Conservancy District
West Jordan, Salt Lake, Utah

Project Summary:

Jordan Valley Water Conservancy District (JVWCD) is requesting funds for three water-efficient landscaping incentive programs: Flip Your Strip, Locascapes Rewards, and Landscape Leadership Grants. All of these programs directly result in water savings and will help accomplish the goals of this FOA by reducing demand on JVWCD's water supply. Cost sharing will increase program capacity and allow more users to receive incentives.

Project Length and Completion Date:

JVWCD will use funds from this grant to supplement program budgets from July 2020 through June 2021.

Federal Facilities:

This project will not be located on a federal facility.

(2) Background Data:

Source of Water Supply:

JVWCD's water comes from the Provo, Weber, and Duchesne rivers, local streams, and groundwater in the Salt Lake Valley. Much of this water is supplied by federal water projects including the Central Utah Project, Provo River Project, and Weber River Project.

Quantity of Water Supply Managed:

JVWCD manages and supplies 141,883 acre-feet of water annually.

Water Rights Involved:

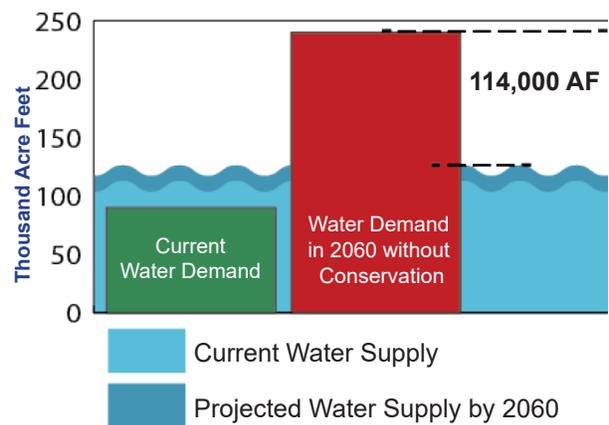
JVWCD manages a diverse water supply portfolio locally and through transbasin

diversions that includes both groundwater and surface water rights.

Current Water Uses:

JVWCD's water primarily supports residential, commercial, and industrial potable use within Salt Lake County; however, JVWCD also delivers untreated water to irrigators in Salt Lake and Utah counties to meet commitments under irrigation exchanges.

Current and Projected Water Demand:



Potential Shortfalls in Water Supply:

Utah's population is expected to double by 2050, but water supplies won't. With rapidly growing populations, experts estimate that Utah could face significant water shortages as early as 2040. Frequent and unpredictable drought patterns further complicate water planning and may cause additional shortfalls in water supply.

Total Length of Distribution Lines:

The approximate end-to-end length of JVWCD's distribution lines is 335 miles.

Number and Sizes of Storage Tanks:

JVWCD has 30 storage facilities: 11 steel storage tanks ranging from 1MG to 8MG

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capacity and 19 concrete reservoirs ranging from 1MG to 100 MG capacity.

Number of Pump Stations and Capacities:

JVWCD operates 14 pump stations ranging from a capacity of 4 to 49 cubic feet per second.

Water Users Served:

JVWCD serves a total population of approximately 710,000.

Past Working Relationships with Reclamation:

- **2018: Grant from Reclamation to support JVWCD's Utah Water Savers Programs**
JVWCD used grant funds to rebate residents for replacing lawn with utah-friendly landscapes.
- **2018: Grant from Reclamation for Drought Contingency Planning**
Using grant funds, JVWCD developed a drought contingency plan for its service area in Salt Lake and Utah counties.
- **2016: Grant from Reclamation to support JVWCD's Park Strip Replacement Program**
JVWCD rebated residents for replacing lawn park strips with water efficient designs.
- **2014: Grant from Reclamation to help fund JVWCD's Conservation Plan Update**
JVWCD updated its official water conservation plan as required by section 73-10-32 of Utah Code.
- **2011: Grant from Reclamation to support JVWCD's Water Check Program**
Program offered home visits to residents to examine water usage and provide individualized watering recommendations.
- **2010: Grant from Reclamation to support JVWCD's Member Agency Grant Program**
Program provided funds to water providers

within JVWCD's service area to promote water conservation.

- **2006: Grant from Reclamation for Expansion of Conservation Garden Park**
Using grant funds, JVWCD expanded its water conservation demonstration garden to include an Education Center where water conservation classes are taught.
- **2004: Grant from Reclamation to fund a Public Information Campaign**
Reclamation helped fund a public water conservation campaign. The campaign included Garden fairs, printed materials, and promoting water conservation classes.
- **2002: Grant from Reclamation to fund a Public Information Campaign**
Reclamation helped fund a public water conservation campaign. The campaign included Garden fairs, printed materials, and promotion of water conservation classes.
- **1999: Grant from Reclamation for a Water Check Program**
Program offered home visits to residents to examine water usage and provide individualized watering recommendations.

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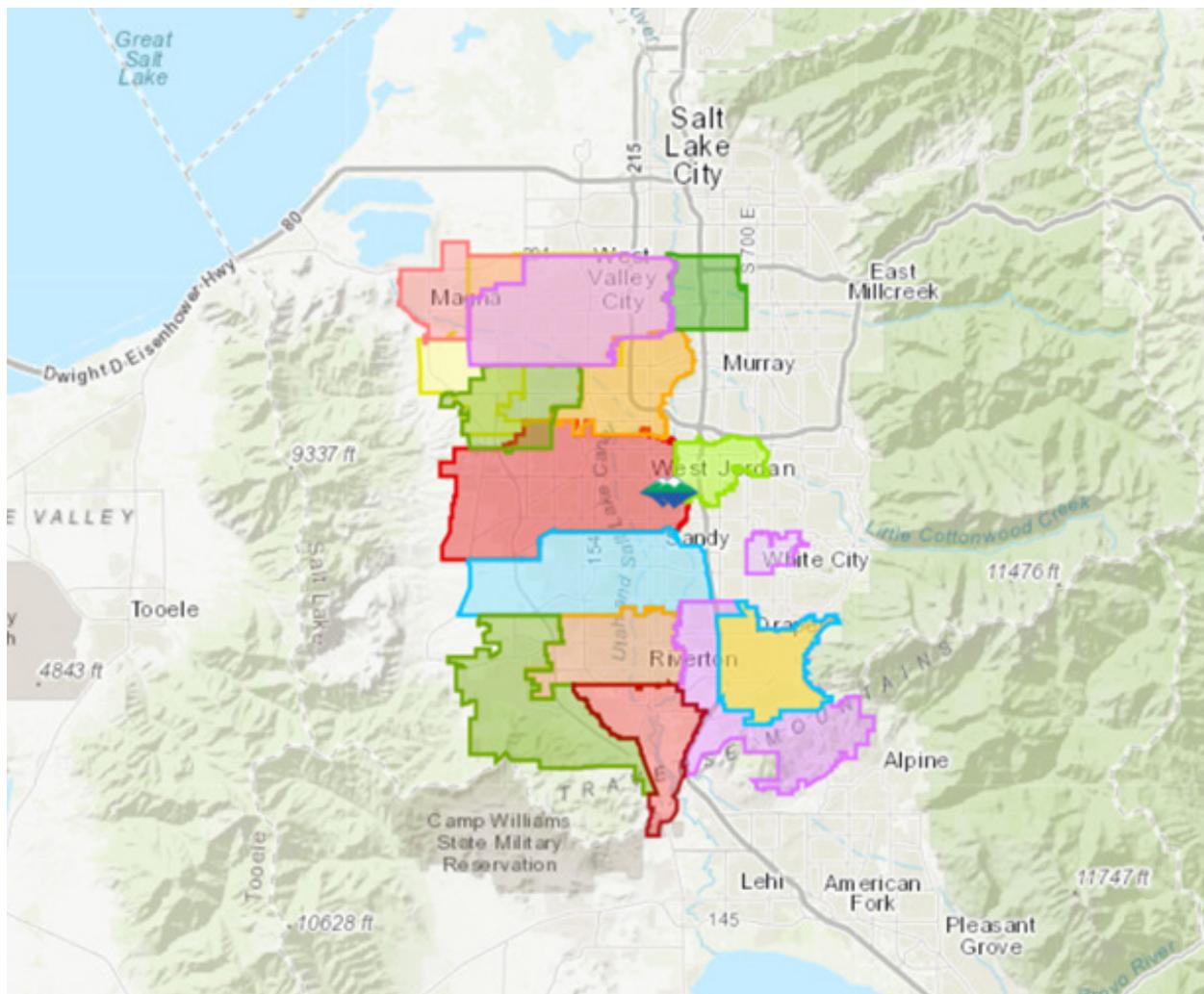


(3) Project Location:

Any funding received through this request will be used to support programs and rebates offered within JWVCD's service area, which includes the following cities and water providers:

- Bluffdale City
- Draper City
- Granger-Hunter Improvement District
- Herriman City
- Kearns Improvement District
- Magna Water District
- Midvale City
- Riverton City
- City of South Jordan
- City of South Salt Lake
- Taylorsville-Bennion Improvement District
- WaterPro, Inc.
- City of West Jordan
- White City Water Improvement District.

JWVCD's retail service area also includes smaller portions of the City of Holladay, Cottonwood Heights City, Murray City, Millcreek City, and Sandy City.



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(4) Project Description:

Project Need:

Utah is one of the fastest-growing states in the nation—and its population is expected to double by 2050. Without significant achievements in water conservation, projected water demands will outpace the state's supply in the next 20 years.

The biggest potential for water savings is outdoors. Currently more than 60% of Utah's drinking water is used to sustain landscapes, many of which are not designed to grow here. Simple changes to landscaping practices could save hundreds of thousands of gallons each year, delay costly water development projects, and provide for a more sustainable water future.

Turnkey Project Update:

In 2017, JWCD received funds from USBR to implement turnkey water conservation programs throughout its service area. This was identified as a priority in JWCD's 2014 conservation plan and allowed JWCD to extend the reach of its water conservation programs to a larger area.

In 2018, USBR approved JWCD for additional funding to continue its programs and to develop a website that would allow collaboration with other agencies throughout the state. By allowing multiple agencies to offer conservation programs on the same website, many inefficiencies of past water conservation efforts were eliminated.

Funding Request:

JWCD is requesting funds from Reclamation to continue three of its landscaping incentives: 1) Flip Your Strip, 2) Localscapes Rewards, and 3) Landscape Leadership Grants. This funding will allow JWCD to fund rebates beyond its current program budget.



1) Flip Your Strip Program Overview:

Participants receive \$1.00 per square foot for converting lawn park strips to a water-efficient design. Only park strips with existing lawn qualify for the program. Finished projects must include drip irrigation, mulch, and 50% plant coverage. The rebate increases to \$1.25 per square foot for participants who attend a free park strip class.

Why this program?

Most homeowners make landscaping changes on a project-by-project basis rather than by installing a new landscape or completing a full renovation. In a survey collected from attendees of JWCD's landscaping classes, 73% indicated they planned to undertake only small improvement projects in their yard. Only 11 percent planned a full landscape renovation.

Park strips typically use an isolated sprinkler zone and require minimal landscape design, making them one of the easiest places to begin the transition to a more Utah-friendly yard—and because overhead sprinklers are not efficient in areas less than eight feet wide, removing lawn from park strips results in significant water savings.

Program Process:

1. Participants apply on Utahwatersavers.com.
2. JWCD conducts a pre-conversion site visit

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to verify square footage and to provide a written agreement.

3. Participant may attend a free park strip class to receive the higher rebate amount.
4. Participants install a water-efficient park strip.
5. JWCD conducts a final site visit to verify that all requirements have been met.
6. Participant receives a rebate check in the mail.

Program Effectiveness:

- Park strips with water-efficient designs and drip irrigation save 5,000 to 9,000 gallons of water every year.
- Pre-conversion visits verify that rebates are only given to homeowners who are replacing living lawn.
- Participants agree to never reinstall lawn for as long as they own the home, helping to perpetuate the water savings from this program.



2) Locascapes Rewards Program Overview:

Homeowners receive a free review of their landscape design and a cash rebate for completing water-efficient landscaping projects that meet Locascapes requirements for Utah-friendly landscapes (See attachment A). Eligible projects may include a complete front yard, back yard, or a side yard of significant size.

Why this program?

Locascapes simplifies the landscaping process into five easy steps, making it easier for homeowners to create landscapes that thrive in Utah. More information about the Locascapes landscaping approach can be found on Locascapes.com.

With the five elements of a Localscape (central open shape, gathering areas, activity zones, paths, and planting beds) homeowners can feel confident designing a Utah-friendly landscape without knowing any of the gritty science that experts used to create the approach. Locascapes also provides a myriad of benefits that Utahns want, including reduced landscape maintenance, greater curb appeal, and better functionality.

Regardless of why a homeowner chooses to Localscape, estimates suggest a localized yard requires 1/3 the water of a typical Utah landscape.

Program Process:

1. Homeowners take a Locascapes class online or in person.
2. Homeowners design a Localscape and submit their plan to JWCD for review.
3. Locascapes experts provide feedback and correct any errors.
4. Homeowners install their water-efficient landscape.
5. JWCD conducts a final site visit to verify proper installation.
6. Participant receives a rebate check in the mail. Payment is provided based on actual square footage of irrigated and non-irrigated areas.

Program Effectiveness:

- Localized yards use 1/3 the water of a typical Utah landscape.

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- Water savings are guaranteed through lawn removal, use of drip irrigation in planting beds, and use of gathering areas and activity zones, which require no irrigation.
 - Participants agree to never reinstall lawn for as long as they own the home, helping to perpetuate water savings.
4. JWCD reviews landscape plans and installed projects to ensure Localscape requirements have been met.
 5. Designers/contractors may submit a payment voucher to JWCD.
 6. Payment is provided based on actual square footage of irrigated and non-irrigated areas.

Locascapes Contractor/Designer Rewards:

New this year, Landscape contractors and designers are also being incentivized for designing and installing Utah-friendly Locascapes. Landscape designers receive a 10% match of a homeowner's reward when they design a landscape for this program. Landscape contractors receive a 90% match of a homeowner's reward when they install a landscape for this program.

Why this program?

While some homeowners will design and install their own landscape, many opt to hire professional designers and contractors. Locascapes are more expensive for a contractor to install than a typical all-grass landscape and currently there is no incentive for landscape professionals to push Utah-friendly landscaping to their clients. This program incentivizes landscape professionals to encourage their clients to adopt more sustainable and water-efficient landscaping.

Program Process:

1. Landscape designers/contractors sign a partnership agreement and commit to designing and/or installing landscapes that meet Locascapes requirements.
2. Landscape designers/contractors encourage clients to participate in Locascapes Rewards.
3. Homeowners apply for Rewards on utahwatersavers.com as previously described.

Program Effectiveness:

- Localized yards use 1/3 the water of typical Utah landscapes.
- By incentivizing designers and contractors, more Locascapes will be designed and installed.



3) Landscape Leadership Program Overview:

Funding assistance for businesses, institutions, builders, developers, and HOAs that install water-efficient landscaping in highly visible areas. Project funding is determined by estimated water savings, promotability, and community impact. Projects may include landscape renovation projects that convert lawn to water-efficient landscaping, or new landscaping projects that install water-efficient landscaping instead of lawn.

Why this program?

Bad examples of water-efficient landscaping tend to be noticed more often than good examples. According to a focus group conducted for JWCD's service area, many Utahns think

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water-efficient landscaping is ugly, barren, and dry. The Landscape Leadership program helps fund large-scale and highly visible landscaping projects that not only conserve water but also promote the effective use of water-efficient landscaping techniques. Each project is evaluated for its cultural impact and ability to inspire similar projects.

Program Process:

1. Applicants prepare a landscape plan with square footage breakdown of turf, planted areas, and hardscaped areas.
2. JWCD analyzes the project for water savings and its ability to visibly promote water conservation.
3. Upon completion of the project, JWCD conducts an inspection and reimburses the applicant based on the agreed upon price per square foot of the completed landscaped area.

Program Effectiveness:

- Funding is based on water savings.
- Projects are selected for their ability to visibly promote water conservation and stimulate a culture of conservation.

Additional Funding Information:

Project funding is determined by a project score and the project's estimated water savings. Grants will not exceed 50 percent of the project cost or \$100,000.

(4) Project Milestones:

Because this proposal is a continuation of programs previously funded by Reclamation, environmental compliance has already been checked. No permits are required for this project, and non-federal funding has already been secured.

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(5) Evaluation Criteria

Expected Benefits:

Water Savings

Each incentive program was evaluated for its cost effectiveness and potential for water savings. With grant funds from Reclamation, JWCD will be able to offer more incentives than are currently budgeted.

Prolonged Available Water Supply:

If JWCD achieves its water conservation goal of reducing per capita demand 25% by 2025, it can stretch existing supplies and defer several water resource development projects that would otherwise need to be constructed. JWCD's supply planning shows that water resource development projects can be deferred up to 17 years if 55,000 acre-feet of water can be conserved annually through 2025.

Delayed Construction of New Municipal and Industrial (M&I) Water Facilities:

In addition to extending our water supply, conservation will reduce peak demands on JWCD's current systems and facilities. A reduction in per capita use will allow the existing water delivery system to meet the demands of new growth for longer, deferring or postponing the construction of costly new infrastructure. JWCD estimates that millions of dollars will be saved in water resource development and infrastructure costs if its water conservation goal of 25% per capita reduction is met.

Increased Information Sharing:

A requirement of participating in Flip Your Strip and Localscapes Rewards is sharing water data with JWCD. This data will allow JWCD to better analyze the water savings that result from specific programs.

Enhanced Aquatic/Riparian Habitat:

Water conservation directly benefits aquatic habitat since water is left in or returned to the natural environment. The level of water conservation achieved through these programs will directly impact the amount of Bonneville Unit water returned to Central Utah Water Conservancy District. These flows are used to maintain Provo River instream fishery flows and assist in recovering the June Sucker, an endangered species.

Increased Public Awareness:

Participants in each of the offered programs will learn better water management practices for their own properties. Learning how to correct inefficiencies at home will lead to better water management practices elsewhere.

Help Shape Public Policy:

The Flip Your Strip program will provide viable and beautiful alternative park strips that could encourage policy makers to adopt appropriate landscape ordinances for Utah's arid climate. The Localscapes Rewards program will also educate community members about the kinds of landscaping that belongs in Utah. Landscape Leadership projects will be used to stimulate and develop a culture of water conservation in the community and are expected to impact ordinances, public policy, and public perception.

Planning Efforts Supporting the Project:

JWCD's Water Conservation Plan was updated in 2014 using a grant from USBR and recommended expanding JWCD's member agency grant program to include turnkey programs administered and managed by JWCD. JWCD's plan update also contained an objective to "Encourage Outdoor Irrigation Efficiencies" and suggested that JWCD consider providing waterwise landscape

D.2.2.4. Evaluation Criteria



incentives to commercial and residential users. The specific programs included in this request were selected based on their cost effectiveness and ability to achieve real water savings.

Project Implementation Plan:

Users apply for programs on utahwatersavers.com. JWCD approves and fulfills requests each year until funding runs out. Programs start again when new funding is obtained. This grant will be used to support programs beginning in July 2020.

Required Permits:

No permits will be required for the implementation of this project.

Project Engineering and Design Work:

No engineering or design work will be performed specifically in support of this project.

Policies and Administrative Actions:

No new policies or administrative actions are required for this project.

Environmental Compliance Estimate:

JWCD does not anticipate any environmental and regulatory costs relating to this project. Because work will only occur on already-developed properties, no impacts to historic water conveyance structures, soils, air quality, animal habitat, or endangered species are expected.

Project Nexus to Reclamation:

The proposed project aligns with Reclamation's mission to "meet increasing water demands of the West while protecting the environment." Conservation programs such as the proposed turnkey programs will extend the remaining available capacity of Reclamation facilities such as the Jordan Aqueduct System and defer

construction of major capacity-building projects. Programs will also protect the environment by allowing more water to be left in or returned to the natural environment.

Does the applicant receive Reclamation project water?

Yes. JWCD is the largest petitioner of the Central Utah Project's Bonneville Unit M&I water, contracting to receive more than 70,000 acre feet annually. As a major stockholder in the Provo Reservoir Water Users Company, JWCD also receives deliveries associated with a substantial portfolio of water rights, including Deer Creek Reservoir storage rights (a Reclamation project facility constructed as part of the Provo River Project), direct flow water rights in the Provo and Weber rivers systems, and Echo Reservoir storage rights on the Weber River (a Reclamation project facility constructed as part of the Weber River Project).

Is the project on Reclamation project lands or involving Reclamation facilities?

JWCD operates and maintains the Jordan Aqueduct System, a Reclamation facility, on behalf of itself and the Metropolitan Water District of Salt Lake & Sandy. While proposed project activities will occur at residential homes within JWCD's service area and not on Reclamation lands or facilities, all facilities operated by JWCD will benefit from conservation savings.

Is the project in the same basin as a Reclamation project or activity?

Yes, JWCD's service area receives water from several Reclamation projects including the Provo River Project, the Central Utah Project, and the Weber River Project.

D.2.2.4. Evaluation Criteria



Will the proposed work contribute water to a basin where a Reclamation project is located?

Water conserved as a result of the proposed programs will remain in the above-listed Reclamation systems and can be allocated as needed.

Will the Project Help Reclamation Meet Trust Responsibilities to any Tribe(s)?

No, this project does not impact any of Reclamation's trust responsibilities with tribes.

Creating a Conservation Stewardship Legacy Second Only to Teddy Roosevelt:

Water Conservation has never been more important for communities in Utah. The programs in this request were selected based on their ability to encourage the wise use of water. Landscaping best practices were identified through research and testing at JWCD's Conservation Garden Park. Participants in each of the offered programs will learn best practices for water management within the context of their own properties. Learning how to correct inefficiencies at home will lead to better water management practices elsewhere.

Restoring Trust with Local Communities:

This project will help to expand the lines of communication between water authorities and local communities. Utah Water Savers simplifies water conservation efforts in the state by creating a one-stop hub for information about water conservation rebates, programs, and other collaborative efforts between Utah's leading water authorities. By providing a united front and shared messaging, communities will come to trust information received from water authorities.

D.2.2.5. Project Budget



Funding Plan:

Flip Your Strip and Localscapes Rewards are included in JVWCD's conservation program budget. Grant money from Reclamation will allow JVWCD to increase its impact by funding more incentives than are currently available. No additional third-party or federal funding is being sought for this project.

SOURCE	AMOUNT
Costs to be reimbursed with the requested Federal Funding	\$75,000.00
Costs to be paid by the applicant	\$108,414.00
Value of third party contributors	\$0.00
Total Project Cost	\$183,414.00

D.2.2.5. Project Budget



Budget Proposal:

The specific expenses for this project will vary based on community participation. For the purpose of this budget, JWCD assumes that there will be demand for 50 Flip Your Strip rebates, 30 Locascapes Rewards, 15 Contractor Rewards, and 5 Landscape Leadership projects. Cost breakdowns for each program are included in the budget narrative.

BUDGET ITEM DESCRIPTION	COMPUTATION		QUANTITY TYPE	TOTAL COST
	\$/Unit	Quantity		
Salaries and Wages				
Conservation Manager	\$39.44/hour	20	hours	\$788.80
Conservation Coordinator	\$25/hour	170	hours	\$4,250.00
Seasonal Staff	\$17/hour	130	hours	\$2,210.00
Administrative Assistant	\$22.23/hour	12.25	hours	\$272.32
Fringe Benefits				
Conservation Manager	\$31.56/hour	20	hours	\$631.20
Conservation Coordinator	\$20/hour	170	hours	\$3,400.00
Seasonal Staff	N/A	130	hours	\$0.00
Administrative Assistant	\$17.77/hour	12.25	hours	\$217.68
Equipment				
	N/A			\$0.00
Supplies and Materials				
Envelopes	\$0.05/rebate	100	rebates	\$5.00
Check Paper	\$0.08/rebate	100	rebates	\$8.00
Postage	\$0.44/rebate	100	rebates	\$44.00
Other				
FYS Rebates	\$500.00	50	rebates	\$25,000.00
Locascapes Rebates	\$2,030.00	30	rebates	\$60,900.00
Contractor Rewards	\$2,030.00	15	rebates	\$30,450.00
Landscape Leadership Funding	\$11,000.00	5	rebates	\$55,000.00
check processing	\$2.37/rebate	100	rebates	\$237.00
TOTAL DIRECT COSTS				\$183,414.00
Indirect Costs				
N/A				\$0
TOTAL ESTIMATED PROJECT COSTS				\$183,414.00

D.2.2.5. Project Budget



Budget Narrative:

Salaries and Wages

Conservation Manager:

The conservation manager is compensated at \$39.44/hour and will oversee the Landscape Leadership program. The estimated time requirements for the conservation manager are 4 hours per project.

Conservation Coordinator:

The conservation coordinator is compensated at \$25/hour and will implement water conservation programs throughout JWCD's service area. The estimated time requirements for each program are listed below:

- *Flip Your Strip:* 2 hours/rebate for site visits and park strip reviews
- *Localscapes Rewards:* 2 hours/rebate for plan review plus instruction time
- *Landscape Leadership Grants:* 2 hours/rebate for plan review and evaluation
- *Program Administration:* JWCD anticipates the conservation coordinator will spend 170 hours administering the Flip Your Strip, Localscapes Rewards, and Landscape Leadership programs during this project period.

Part-Time Seasonal Staff:

The cost for seasonal staff to assist the conservation coordinator is \$17/hour. Seasonal staff will accompany the conservation coordinator during site visits.

- *Flip Your Strip:* 2 hours/rebate
- *Localscapes Rewards:* 1 hour/rebate
- *Program Administration:* JWCD anticipates Seasonal Staff will spend 130 hours administering the Flip Your Strip, Localscapes Rewards, and Landscape Leadership programs during this project period.

Administrative Assistant:

The cost for Administrative Assistants to process rebate payments and organize appointments is \$22.23/hour.

- *Flip Your Strip:* 6 minutes/rebate
- *Localscapes Rewards:* 6 minutes/rebate
- *Contractor Rewards:* 15 minutes/rebate
- *Landscape Leadership Grants:* 6 minutes/rebate
- *Program Administration:* JWCD anticipates Administrative Assistants will spend 12.25 hours administering the Flip Your Strip, Localscapes Rewards, and Landscape Leadership programs during this project period.

D.2.2.5. Project Budget



Fringe Benefits

Conservation Manager: The conservation manager receives fringe benefits at \$31.56/hour. This includes insurance and retirement benefits.

Conservation Coordinator: The conservation coordinator receives fringe benefits at \$20/hour. This includes insurance and retirement benefits.

Part-Time Seasonal Staff: Seasonal staff will not receive any fringe benefits.

Administrative Assistants: Administrative Assistants receive fringe benefits at \$17.77/hour. This includes insurance and retirement benefits.

Equipment

There is no special equipment required for this program.

Materials and Supplies

Envelopes, check paper, and postage expenses were calculated using historic costs (\$0.57/rebate).

Environmental and Regulatory Compliance Costs

JVWCD does not anticipate any environmental or regulatory costs relating to this project. Programs have been previously funded by Reclamation and no significant changes are being made. Programs will only occur on already developed properties. All programs will require that participants adhere to federal, state and local laws. The Notice to Proceed for JVWCD's 2017 Turnkey Programs is attached.

Other Expenses

- *Flip Your Strip Rebates:* \$1.00 per square foot of lawn replaced or \$1.25 for participants who attend a park strip class. An average rebate is around \$500.00. For the purpose of this budget, all rebates were assumed to equal \$500.
- *Locascapes University Rewards:* Rewards will vary based on the size of the project and expected water savings. An average reward is \$2,030. For the purpose of this budget, all rebates were assumed to equal \$2,030.
- *Locascapes Contractor Rewards:* Rewards will vary based on the size of the project and expected water savings. An average reward is \$2,030. For the purpose of this budget, all rebates were assumed to equal \$2,030.
- *Landscape Leadership Grants:* Project funding varies based on water savings and the project's ability to promote water conservation. An average reward is \$11,000. For the purpose of this budget, all rebates were assumed to equal \$11,000.
- *Check Processing:* Each rebate requires \$2.37 for check processing.

D.2.2.6. Environmental and Cultural Compliance



Indirect Costs

No indirect costs were included in this budget.

Total Costs

The estimated total project cost is \$183,414. JWCD is requesting \$75,000.00 from Reclamation. If the project does not receive federal funds, JWCD will need to reduce the number of incentives offered.

Planning Efforts:

Will the proposed project impact the surrounding environment?

There may be some earth-disturbing work as homeowners make modifications to their landscapes, including adjusting or changing irrigation systems, removing lawn from park strips, or planting Utah-friendly plants. No impacts to historic water conveyance structures, soils, air quality, animal habitat, or endangered species are expected.

Will any threatened or endangered species, or designated critical habitats be affected by this project?

There are no endangered species or critical habitats located on sites affected by the proposed project. However, water conserved through this project may be used to maintain Provo River instream fishery flows and assist in recovering the June Sucker.

Do any wetlands or other surface waters inside the project boundaries fall under CWA jurisdiction as "Waters of the United States?"

No, the proposed project will occur on already developed properties and will not impact any wetlands or other surface waters.

When was the water delivery system constructed?

Construction of JWCD's infrastructure was started in 1951 and has been added to annually since then. For more details about or a timeline

of construction of our delivery system, contact Megan Hatch at meganh@jvwcd.org.

Will the proposed project result in any modification of individual features of an irrigation system?

The proposed project will only result in possible modifications of residential irrigation systems on individual properties. The modifications may include adjusting watering schedules, zones, or switching from spray systems to drip.

Are any buildings or features in the irrigation district listed on the National Register of Historic Places?

While historic sites are located within JWCD's service area, the proposed project will only occur on already developed properties and will have no adverse effect on any building, structure or feature listed or eligible for listing on the National Register of Historic Places.

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

There are no known archeological sites in the proposed project area.

Will the project have an adverse effect on low income or minority populations?

This project will allow any eligible resident to participate. Non-participation will not have any consequences.

Will the project limit access to Indian sacred sites or result in other impacts on tribal lands?

No Indian sacred sites or tribal lands will be impacted by this project.

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?

This program will only permit the installation of Utah-friendly plants and will discourage the spread of noxious weeds by utilizing mulch and drip irrigation to control weed spread.

D.2.2.7. Required Permits or Approvals



No Permits or approvals will be required for this project.

D.2.2.8. Official Resolution



JVWCD'S Board of Trustees will meet on May 6th to approve this application with an official resolution. Following approval from the Board, this resolution will be submitted as an addendum to this application.



United States Department of the Interior

BUREAU OF RECLAMATION
PO Box 25007
Denver, Colorado 80225-0007

IN REPLY REFER TO:

84-27814
1.3.11

OCT 19 2017

VIA ELECTRONIC MAIL ONLY

Megan Hatch
Jordan Valley Water Conservancy District
8215 South 1300 West
West Jordan, UT 84088-9422

Subject: Notice to Proceed for Proposed Grant Agreement No. R17AP00216 with Jordan Valley Water Conservancy District

Dear Ms. Hatch:

This letter provides written notice that the required environmental compliance activities are completed for the *Turnkey Water Conservation Programs: Flip your Strip, Landscape Consultations & Switch2Drip* (Project) and that you may now proceed with ground-disturbing activities associated with this Agreement. With respect to Federal cultural resources laws and regulations, provided that in the unlikely event that archeological materials or human remains are encountered during the course of ground-disturbing activities, all work must immediately halt in the area of the find, and Jordan Valley Water Conservancy District must immediately notify Reclamation and take precautions to protect the discovery. Jordan Valley Water Conservancy District shall not proceed with any further actions in the area of the find until written notice to proceed is provided by Reclamation. This determination in no way alleviates Jordan Valley Water Conservancy District from meeting other applicable federal, state, or local regulatory or environmental requirements. Furthermore, any proposed Project modification must be brought to our attention prior to implementation to assess whether further environmental review may be warranted.

A completed Categorical Exclusion Checklist (CEC) is enclosed for your records. Please note that the environmental commitments included in the CEC must be met. If you have any questions regarding the CEC, please contact David Snyder, Grants Officer Technical Representative, at 801-379-1185 or dsnyder@usbr.gov.

Thank you for your efforts to complete the reviews and consultations.

Sincerely,

Irene M. Hoiby
Grants Officer

Enclosure

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Localscapes®

Rewards

Utah
Water
Savers



Landscapes must meet these requirements and be located in a participating area to receive a reward from UtahWaterSavers.com

Localscapes Checklist:

1
Central
Open
Shape



2
Gathering
Areas



3
Activity
Zones



4
Paths



5
Planting
Beds



1 - Central Open Shape

Localscapes begin with a Central Open Shape that is geometric in nature. The size and material used for this element can be unique to each landscape, but typically there will be a Central Open Shape in both the front and back yards.

Design Requirements:

- The Central Open Shape is unobstructed. Trees, posts, playsets, and other elements are not placed inside this area.
- The Central Open Shape cannot be lawn if it is on a slope with more than a 25% grade.

Additional Requirements if Lawn is used as a Central Open Shape:

- The Central Open Shape is irrigated separately. This is the only landscape element that can use overhead sprinklers. All other irrigated areas will use a drip system.
- The Central Open Shape is not more than 35 percent of the total landscaped area.
- The Central Open Shape is at least 8 feet wide at its narrowest point.

2 - Gathering Areas

Gathering Areas like patios, gazebos, or outdoor seating areas should be incorporated throughout the landscape and vary in shape and size.

Design Requirements:

- Gathering Areas are hardscaped. Surfacing materials may include concrete, brick pavers, stone, gravel, or crushed stone.
- Gathering Areas are not irrigated.

3 - Activity Zones

Activity Zones like children's play areas, fire pits, vegetable gardens, and hot tubs are designed to meet a homeowner's needs and interests.

Design Requirements:

- Activity Zones are not surfaced with lawn.
- Activity Zones are placed outside the Central Open Shape.

4 - Paths

Paths connect each of the previously designed elements.

Design Requirements:

- Paths are not lawn. Paths can be created using hardscape or organic mulch.
- Paths are not irrigated.

5 - Planting Beds

Remaining areas of the landscape become Planting Beds.

Design Requirements:

- Planting beds are drip irrigated. Drip systems should be equipped with a pressure regulator, filter, flush-end assembly and any other appropriate components.
- Planting beds are covered in 3-4" of mulch.

Park Strips Design Requirements:

- Lawn is not allowed in park strips. Park strips should be designed with hardscape, mulch, and other planting materials.