

RESOLUTION NO.2022-008

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WATER UTILITIES COMMUNITY FACILITIES DISTRICT (CITY OF APACHE JUNCTION, ARIZONA), AUTHORIZING THE SUBMISSION OF A GRANT APPLICATION FOR THE BUREAU OF RECLAMATION'S WATERSMART GRANT PROGRAM.

WHEREAS, the U.S. Department of the Interior's Bureau of Reclamation is responsible for the administration of the WaterSMART Grants Program to encourage the conservation and efficient use of water; and

WHEREAS, the Apache Junction Water District desires to apply for funding through the Bureau of Reclamation's WaterSMART Grants Program, namely its Water and Energy Efficiency Grant for Federal Fiscal Year 2023; and

WHEREAS, this WaterSMART Grant can fund up to \$5 million toward a project that improves water usage and delivery; and

WHEREAS, the Apache Junction Water District will be required to match at least 50% of total project costs; and

WHEREAS, the rules and procedures established by the Bureau of Reclamation require a resolution to verify the approval of applications, signature authorization, and availability of local matching funds.

NOW, THEREFORE, BE IT RESOLVED BY THE WUCFD CHAIRPERSON AND BOARD OF DIRECTORS AS FOLLOWS:

SECTION I:

Staff is authorized to submit applications to the Bureau of Reclamation for WaterSMART funds, and the District Director and/or Chairperson is authorized to sign the applications, contracts and other related documents for receipt and use of grant funds.

SECTION II:

The Apache Junction Water District agrees to comply with all pertinent grant submittal procedures, guidelines, policies and requirements set forth by the Bureau of Reclamation.

SECTION III:

The Board of Directors of the Water Utilities Community Facilities District (City of Apache Junction) appoints the Director of the Apache Junction Water District or his designee as its agent to conduct all negotiations, execute and submit all documents including, but not limited to, applications, agreements, amendments, billing statements and other related materials which may be necessary for the completion of the Projects.

PASSED AND ADOPTED BY THE WATER UTILITIES COMMUNITY FACILITIES DISTRICT CHAIRPERSON AND BOARD OF DIRECTORS, THIS ____ DAY OF _____ 2022.

SIGNED AND ATTESTED TO THIS ____ DAY OF _____ 2022.

WALTER "CHIP" WILSON
Chairperson

ATTEST:

JENNIFER PENA
District Clerk

APPROVED AS TO FORM:

RICHARD J. STERN
District Attorney

**WaterSMART: Water and Energy Efficiency Grants for FY 2023
Funding Opportunity Announcement No. BOR-R23AS00008
Funding Group II**

Apache Junction Water District



Advanced Metering Infrastructure Project

Applicant Information:

**Apache Junction Water District
300 East Superstition Blvd., Building D
Apache Junction, AZ 85119**

Project Manager:

**Michael Loggins PE, CPM
Water District Director
mloggins@apachejunctionaz.gov
Phone: (480) 474-2625**

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Technical Proposal

Executive Summary:

The Water Utilities Community Facilities District (Apache Junction, AZ) (AJWD) wants to further increase its water supply reliability and support water conservation and management efforts. AJWD began a program to replace approximately 4,500 manual-read meters to touch read meters. In 2018, AJWD started a pilot program with installing its first automated metering reading (“AMR”) and the program was a success. AJWD has decided to move forward with updating the rest of its existing meters to advanced metering infrastructure (“AMI”), further promoting water conservation in the desert southwest. The AMI project includes the upgrade of approximately 4,300 manual read meters with an AMI fixed-based network system that will automatically collect and store hourly consumption data, aiding in water conservation and water efficiency and improved water management. This AMI project would be scheduled to be completed by the end of 2023 with the following:

- 1.) Install AMI devices at the remaining 4,300 water meters.
- 2.) Install a fixed network data collection system that will automatically collect and store hourly consumption data from all 4,500 meters.
- 3.) Deploy a web-based utility management portal and a web-based customer portal for customers to access their accounts to view both real-time flow and information as well as historical data.

The upgrade to a fully automated AMI system is expected to result in measurable water savings estimated at 275 acre-feet per year (“AFY”). Furthermore, deployment of the Customer Portal through which water users will have online access to their own real-time hourly water usage data will prompt customers to make positive changes to their water use behaviors. The AMI project will reduce real system losses and increase water efficiency and conservation through the availability of near real-time data on water usage and daily water needs.

The AMI project will expand upon AJWD’s efforts to promote water use efficiency by accomplishing the following:

- 1.) Rapid identification and correction of water leaks. (Currently meters are read once a month allowing leaks to go undetected and water to be wasted for a month before being noticed.)
- 2.) Reduced water usage based on customer education through the AMI project’s data on water usage.
- 3.) Decreased time for Utility Billing Technicians and Utility Maintenance Workers to re-read meters for questionable usage.

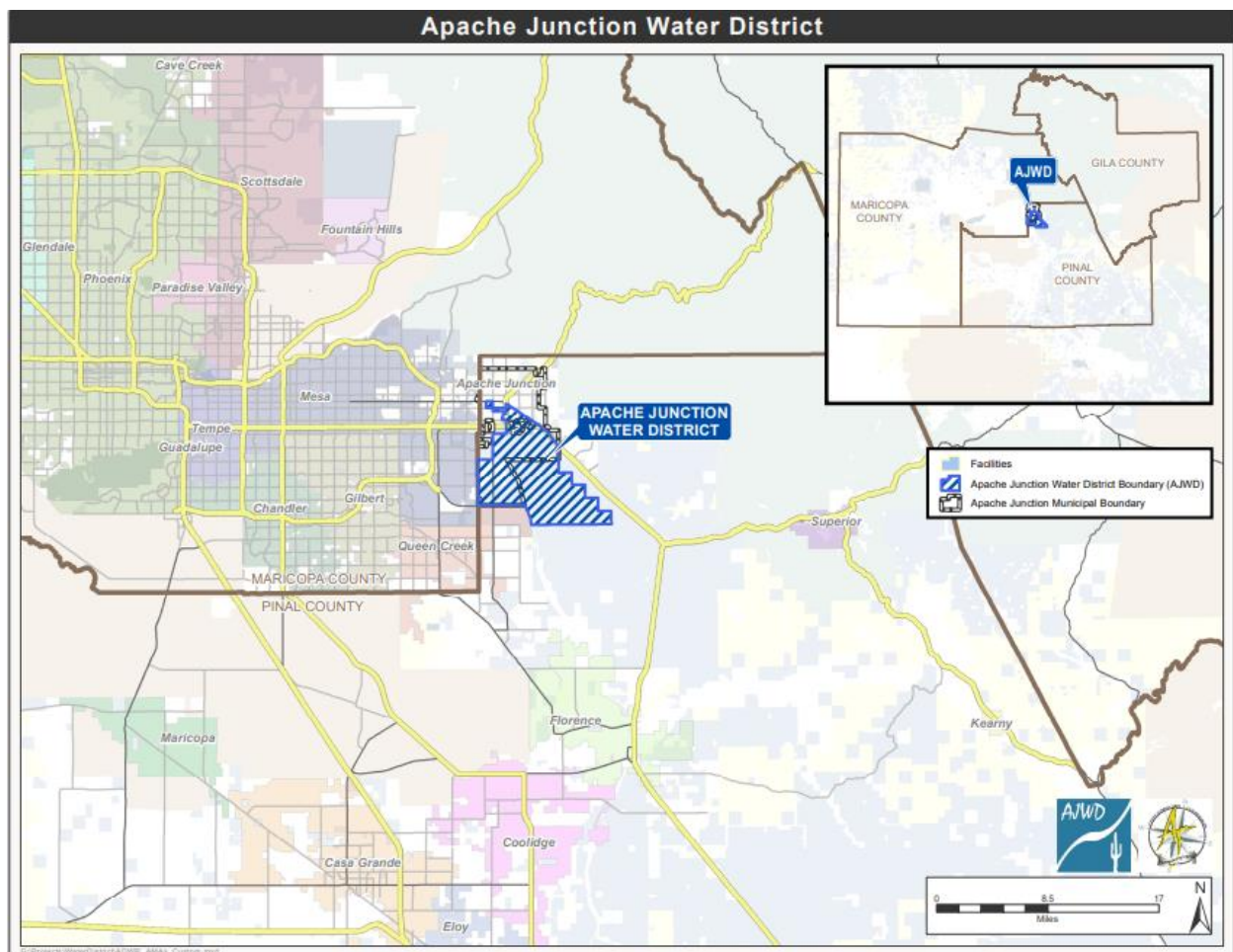
Because of the current drought conditions in Arizona and decreased reliability of water supplies from the Colorado River, conservation and water use efficiency are key factors for improving water sustainability within the AJWD’s service area.

The purpose of the AMI project is to increase water conservation and water use efficiency by providing real-time water consumption data to AJWD and its customers. The project will increase water use efficiency and reduce water loss caused by leaks. Customer leaks will be identified and stopped in a matter of hours, compared to leaks flowing for weeks or months with the existing touch read meters. This significantly reduces water loss and customer property damage. Apache Junction has a large amount winter visitors that are here part-time so unidentified leaks are commonplace with conventional meters and these leaks may run for weeks while the customer is away. Reduced water use through conservation produces a linear reduction in energy use associated with water production, conveyance, and treatment requirements.

The AMI project is not located on a Federal Facility.

Project Location:

The AMI project is located in the City of Apache Junction in Pinal County, Arizona. The AJWD's service area is located approximately 30 miles east of Phoenix, AZ. The project latitude is 33° 24' 54.17" N and longitude is 111° 32' 58.48" W.



Technical Project Description:

AJWD serves approximately 4,500 service connections, roughly 15,000 in population. AJWD currently serves 4 square miles but has a planning area of over 40 square miles. Water efficiency is going to be key to AJWD's growth in the future and the sustainability of the existing customers. Although the Apache Junction is the closest city to the Salt River Project ("SRP") reservoirs, Apache Junction does not receive any water from SRP.

AJWD has potential for a large amount of growth over the next 10 years. Arizona State Land has recently sold 4 square miles of raw land with the expectation that 11,000 new housing units will be built. AJWD has had very little growth over the past two decades, so this new development is going to have a tremendous impact on the AJWD and the number of customers.

The majority of AJWD's water comes from the Colorado River and for the first time ever there has been a shortage declared on the river for 2022. AJWD has been storing water in underground aquifers just in case this day would come when restriction would affect its water supplies. AJWD currently does not pump its ground water and relies completely on renewable resources.

Selected Technology:

In considering meter system options, the following items were reviewed to identify the most appropriate technology:

- Accuracy in metering water consumption;
- Ability to perform radio readings;
- Ability to store historical data in order to analyze user consumption patterns or identify system deficiencies (unaccounted for water);
- Compatibility with the existing system;
- Cost of initial investment, as well as ongoing operations and maintenance costs; and
- Training requirements.

AMI Benefits

The purpose of this AMI system is to prevent water loss and better track water system demands in real time to measure effects of conservation measures. By tracking real time data of water system demands, AJWD is able to educate customers regarding water use and also identify leaks and other areas where additional conservation may be possible. AJWD will provide hourly usage information to our GIS department to understand where hourly demands occur within the water system.

AJWD is proposing a new the AMI system to improve the following areas of conservation:

- Leak Alerts - One very important benefit of improved data collection is the ability to

identify customer leaks. AMI systems can detect two types of leaks. First, AMI software can be programmed to recognize large sustained increases in flow departing from normal use patterns. This is indicative of catastrophic pipeline breaks. When this type of break is detected, home or business owners can be notified in case they are away at work or out of town, allowing the customer and the AJWD's staff to respond to the break as quickly as possible. In Apache Junction this is particularly important as many homeowners are not full-time residents, potentially causing catastrophic property damage and significant water loss if not addressed immediately. A second type of leak that can be identified by the AMI system is recognizing when a small amount of flow is consistently being detected at the meter. This is indicative of a small leak somewhere in the home or business or between the meter and the building or home. In this case, AJWD can contact the resident to identify the issue and encourage the customer to investigate. In both cases, AMI can save water for AJWD and money for its customers. The EPA estimates the average household's leaks can account for more than 10,000 gallons of water wasted every year. This represents a significant area of potential conservation. In addition, once a customer reports that a leak has been repaired, the AMI interface allows staff to confirm that fact. Knowing the amount of water that is being used also helps customers and their chosen contractors get an idea of where a leak may be originating.

- Time of Day Audits -As the Colorado River begins to go dry because of drought, AJWD may adopt an ordinance restricting outdoor irrigation for all water users. The AMI system has the ability to provide alerts to AJWD when water uses indicate possible irrigation occurring during prohibited time frames. Violations are generally addressed with friendly visits and written reminders to customers. However, a City ordinance could allow AJWD to assess fines to chronic violators.
- Peak Use Data - With AJWD's new AMI system, it is possible to educate customers regarding peak usage. For example, AJWD is able to alert customers to key periods of high demand that may be indicative of water waste. By identifying peak demand periods, customers can be made aware of times of day or times of year when water is potentially being wasted.
- Water Audits - In addition to time of day and leak alerts, it is also possible to identify the largest users of water on a regular basis, as well as, peak instantaneous demand basis. The new AMI system will also be able to identify the highest users by peak day and peak hour. This may help identify users that have less efficient fixtures or sprinkler systems. For those users with excessive water use, the AJWD will provide information and resources to help in their efforts to save water.
- Expanded Public Education - AJWD has an extensive public education program that includes indoor water conservation surveys, outdoor water conservation surveys, a retrofit on change of service program, regular radio and newspaper advertising, educational outreach to schools and more. By referencing AMI data, the conservation department can show customers their peak usage times as well as historical or seasonal

comparisons. With live data the AJWD can modify marketing to notify the community if they are not meeting conservation targets and update them on their progress.

- Drought and Water Emergency Measures - In addition to its efforts to achieve longterm water use reductions through conservation, AJWD also has a plan for reducing water consumption in times of drought or other water emergencies (such as a line break). Water shortages includes the restriction of water use by large users, stricter enforcement of existing AJWD conservation practices, voluntary reduction of water use, with mandatory reductions of water through enforcement as a last resort. The AMI system will be capable of quickly identifying large water users in case of a water emergency and give conservation staff the ability to enforce restrictions if necessary.
- Usage Alerts – AJWD’s customers are part-time residents that leave can be notified of usage during periods when they are out of town. This feature will reduce property damage/loss and reduce unauthorized water use.

Evaluation Criteria

Evaluation Criteria A: Quantifiable Water Savings

AJWD is continually assessing its existing infrastructure and exploring all aspects of technology as it applies to water treatment and distribution. Updating water meters has been on the forefront for AJWD for the past 10 years. In the spring of 2022 AJWD replaced all of its manually read meters with touch read meters, setting the table for AMI. The past 3 years AJWD has had new development install radios on all new meters; now it is time to add radios to our existing meters.

1) Describe the amount of estimated water savings.

Water savings will be achieved with the implementation of the following:

- 1.) Retrofitting 4,300 existing meters
- 2.) Adding towers so reads can be taken hourly
- 3.) Allowing office staff to receive alerts on leaks, notifying customers immediately
- 4.) Allowing office staff to receive alerts on water theft
- 5.) Understanding water use per customer in time of droughts

AMI is the latest technology that will let AJWD achieve its goals. This technology allows for water meters to be read remotely in addition to other benefits such as leak detection, automatic billing and online customer interface portals. These components of the AMI conversion will directly result in water savings which is estimated to be around 275 acre-feet per year.

1) Describe current losses: Please explain where the water that will be conserved is currently going and how it is being used. Consider the following:

a. Explain where current losses are going?

The current way AJWD reads meters is outdated and improvements need to be made to the meter reading system. Significant water loss could occur during the 30 days between meter reads because there is no real time data. The customer could have a leak for 30 days before they are notified of high use at their residents. Water lost due to these leaks increases flows to the sewer district, increases vegetation in the right of way, or ends up in the storm drain system. AJWD has a large amount of part-time residents during the summer months, many of these customers fail to properly turn off their water supply prior to leaving the vacant house for extended periods of time. The customers pipes fail over time causing major leaks, with AJWD reading only once per month the leak could last up to 30 days and destroy the customers house wasting thousands of gallons of water. Implementing the AMI will allow staff to be notified when a leak occurs when the customer is gone for the summer. The AMI software has the capability to produce a daily list of potential leaks based on unusual or continuous customer usage. The customer is contacted and the leak is repaired within days instead of months.

The AMI system also gives staff more thorough and accurate data when communicating to customers about water their water usage. This is especially useful when a customer has a high usage. Staff can explain to the customer when they have high usage or if the meter is running continuously all day long. AMI allows AJWD to compare real time water usage with real time production data to find leaks within the distribution system. This data allows AJWD to pinpoint locations where potential leaks are located.

b. If known, please explain how current losses are being used. For example, are current losses returning to the system for use by others? Are current losses entering an impaired groundwater table becoming unsuitable for future use?

Current losses are going to the sewer district creating more flow to be collected and treated when a person has leaky toilet or bathroom fixture. Other loss could be seeping into the ground and are re-treated to provide potable water to customers. AMI provides a mechanism for immediate water leak detection and response therefore reducing the water loss in the system.

- c. Are there any known benefits associated with where the current losses are going? For example, is seepage water providing additional habitat for fish or animal species?

Apache Junction is located in the desert southwest so most water losses are evaporated and lost.

2) Describe the support/documentation of estimated water savings: Please provide sufficient detail supporting how the estimate was determined, including all supporting calculations. Note: projects that do not provide sufficient supporting detail/calculations may not receive credit under this section. Please be sure to consider the questions associated with your project type (listed below) when determining the estimated water savings, along with the necessary support needed for a full review of your proposal.

3) Please address the following questions according to the type of infrastructure improvement you are proposing for funding. See Appendix A: Benefit Quantification and Performance Measure Guidance for additional guidance on quantifying water savings.

(2) Municipal Metering: Municipal metering projects can provide water savings when individual user meters are installed where none exist to allow for unit or tiered pricing and when existing individual user meters are replaced with advanced metering infrastructure (AMI) meters. To receive credit for water savings for a municipal metering project, an applicant must provide a detailed description of the method used to estimate savings, including references to documented savings from similar previously implemented projects. Applicants proposing municipal metering projects should address the following:

a. How has the estimated average annual water savings that will result from the project been determined? Please provide all relevant calculations, assumptions, and supporting data.

A case study performed by IBM Research and published by Hanes, D. (2013), Every drop counts: How water utilities are putting water efficiency first, found that informed, engaged, and incentivized citizens, through use of a customer portal, conserved an average of 6.6 percent more water than those with standard billing procedures. Given the current water demand within the AMI project area of 1,600 AFY, this reduction in water usage will conserve approximately 105 AFY for the system. AJWD has installed 300 AMI-compatible meters, the customer portal is not in place. Therefore, we have not yet realized the water savings associated with providing customers with real-time data. Once

the customer portal is in place, AJWD will be able to engage and incentivize all customers to view their data.

$$1,600 \text{ acre feet / year} \times 6.6\% = 105 \text{ acre feet / year}$$

The AMI project will provide real-time data that will recognize if there is an increase in consumption that might indicate a leak, leading to faster detection and repair. Water savings due to improved detection of residential leaks (behind the meter) was calculated using reduction factors and data from the EPA's WaterSense website. The average household's leaks can account for 10,000 gallons of water wasted every year. Furthermore, 10 percent of homes have leaks that waste 90 gallons or more per day (or 32,850 gallons per year). AJWD plans to install 4,300 new radios. AJWD only has 300 ready for the AMI project, AJWD is only collecting data on a monthly basis using the mobile radio read method. Therefore, we have not realized the potential savings associated with real-time data collection.

Connections	% of Households	Loss/Household/Gallons/Yr	Loss/ Gallons/ Total/Yr	Acre feet Saved
4,500	90%	10,000	40,500,000	124
4,500	10%	32,850	14,782,500	45
			Total	170

b. How have current system losses and/or the potential for reductions in water use by individual users been determined?

The potential for reduction in use by individual users has been determined by previous case studies from past AMI projects. The IBM Research study provided data that showed if individual customer had access to their real time data, it could have a potential water conservation of 6.6 percent. That equates to approximately 105 acre feet of water per year in AJWD.

Also using EPA's WaterSense website, 90 percent of average household's leaks can account for 10,000 gallons of water wasted every year and 10 percent could account for 90 gallons per day (32,850 gallons per year). Notifying customers earlier about a leak because of the AMI project, has the potential to save 170 acre feet of water per year.

c. For installing end-user water service meters, e.g., for a residential or commercial building unit., refer to studies in the region or in the applicant's service area that are relevant to water use patterns and the potential for reducing such use. In the absence of such studies, please explain in detail how

expected water use reductions have been estimated and the basis for the estimations.

AJWD believes that with the installation of the AMI project, we will be able to monitor what is going on in our water distribution system. As the Colorado River goes dry and water conservation has a greater significance in the desert southwest, there will be water restrictions. Currently AJWD would only know if a customer uses a large amount of water after 30 days. The AMI project would allow AJWD to know water use on an hourly basis or daily basis to address these customers earlier to reduce their water consumption. This water conservation is critical during the drought conditions that is occurring in the southwest.

d. What types (manufacturer and model) of devices will be installed and what quantity of each?

Quantity	Unit	Description
3	EA	Sensus M400 Base Station, 2-Way, Water Only
3	EA	Sensus Base Station
1	EA	FlexNet Network Deployment Project Management
1	EA	RNI SAAS
1	EA	Sensus Analytics
1	EA	RNI Core Education
1	EA	Sensus Analytics
1	EA	Sensus Analytics Basic Integration, Sensus
1	EA	Annual RNI SAAS Fee, Appox 5000 Services
1	EA	Sensus Analytics Enhanced SAAS, Approx 5000 Services
3	EA	Sensus M400 Base Station Protection Plan
4,300	EA	Sensus 520M MXU, 1 Port, TC Hourly Read, Leak Det

e. How will actual water savings be verified upon completion of the project?

Actual water savings will be verified upon project completion by comparing to historical water records vs new data collected after installation of the AMI project. AJWD files an annual report with the Arizona Department of Water Resources showing water losses and gallons per capita per day (GPCD). AJWD will compare past year with current years after the AMI project is complete to verify the water savings from this project. Since AJWD is growing we cannot compare annual water use so it will have to be on individual water use base, AJWD should see a reduction in GPCD from 105 to 95 with the completion of this project.

Evaluation Criterion B—Renewable Energy

Today AJWD collects meter data for these meters by driving to each meter location every 30 days. By installing the radio reads to the remaining 4,300 service connection and installing radio towers, AJWD will no longer have to drive visit each meter in the system every month. The AMI project is not only going o save water, but it will reduce the vehicle miles driven by meter readers. This will help conserve energy and help reduce greenhouse gas emissions. The AMI project will also conserve energy through reduced electrical pumping costs in the water system. Conserving energy that is lost for additional pumping from leakage, resulting in substantial reduction in energy and CHG emissions required for treatment and delivery of water.

Energy savings by reducing vehicle miles driven:

The AMI project would create energy savings through reducing fossil fuel consumption. AJWD staff would no longer need to drive to 4,500 meter locations to collect meter data. It is assumed that each meter is approximately 100 feet apart, or 0.0189 miles, and is driven to each month for a meter read.

$$4,500 \text{ meter} \times 0.0189 \text{ miles/meter} \times 12 \text{ months/year} = 1,021 \text{ miles per year}$$

Using AJWD's average service vehicle miles per gallon at 12.5 with stop and go for each meter.
 $1,021 \text{ miles per year} / 12.5 \text{ miles per gallon} = 81 \text{ gallons/year}$

U.S. EPA parameters specify 1.25 therms/gallon of fuel and 293.3 kWh/therm. Using values, there will be approximately 2,967 kWh/year that will be reduced.

Energy savings by reducing water electrical usage:

AJWD averaged the monthly kWh used in all of its facilities and divided by the total system average monthly flows providing an average of 925kWh used per acre foot of water. The annual savings for AJWD system energy usage as a result of the AMI project would be:

$$275 \text{ acre foot/year} \times 925 \text{ kWh/acre foot} = 254,675 \text{ kWh/year}$$

Total Energy Savings	
Source Energy	Energy Savings (kWh)
Reduced Vehicle Miles	2,967
System Usage	254,675
Total	257,642

Evaluation Criterion C—Sustainability Benefits

The AMI project will reduce water loss in the system, saving water for future use. Currently Lake Meade and Powell in Arizona are at its lowest level ever seen since the reservoir were built. If there is not a reduction in the Colorado River use several states will lose their water supply. This project will save water today and into the future, every little bit is going to help. Without the water supply behind the dams the hydroelectric power supply will be shut down causing brown outs and black out s in the southwest. Reducing water supplies will only help keep water in our drought thirsty reservoirs.

The other benefit is to the ecosystem as these lakes get smaller and smaller the amount of water and depth of the lake shrink. This causes the water to heat up endangering fish species and causes them to look for new water that can sustain their environment. Moving from lakes to rivers endangering other species that currently inhabit this environment.

This water supplies much of the southwest and without the human population will not survive in this area.

Evaluation Criterion D—Complementing On-Farm Irrigation Improvements

This evaluation criterion is not applicable to this project.

Evaluation Criterion E—Planning and Implementation

AJWD has been planning for this project for over 10 years, we started with changing out meters from manual reads to touch reads radio for radio installation. Three years ago, AJWD anticipated the system changing to AMI requiring developers to install radio reads on all new development, currently we have about 400 meters that are read by a drive by system once a month. The next step is to implement a radio communication tower to record the readings every hour, this is part of the AMI project.

In addition to this work AJWD has been replacing old worm out meters with smart meters. AJWD has a head start on this project and would like to continue its efforts with this AMI project. AJWD will not seek reimbursement for these projects they have done in the past to get us ready for this project.

This AMI project will be critical component in water conservation as the desert southwest drought continues and lakes get smaller and smaller.

This project is only planned for two years and it is mostly the installation of radios on current smart meters, the installation of towers and management software.

Evaluation Criterion F—Collaboration

The proposed project has wide support from the city which supports water conservation and encourages local and regional collaboration to meet the general plan of the City of Apache

Junction. The goal of One Water here in Apache Junction increases the reliability of the water supply and provides long term solutions that effects climate change and population growth. Water conservation from the availability of advanced meters and daily water usage will generate support from customers because customers will be able to see their daily use providing the knowledge to reduce water usage over time.

The Superstition Mountain Community Facilities District (Sewer District) supports the AMI project. This project will catch leaking toilets and faucets that have a direct impact on the sanitary sewer system. These leaks cause the Sewer District to treat additional waste using collections and plant capacity. This not only includes the capacity but chemicals, energy and personnel that run this system.

Evaluation Criterion G— Additional Non-Federal Funding

If awarded, AJWD will fund \$1,051,100 in matching funds which is 54.8% of the project costs. Please see table 2 in the Project Budget for details regarding the source of non-federal funding.

Evaluation Criterion H— Nexus to Reclamation

AJWD has a current contract with the Bureau of Reclamation and a subcontract with the Central Arizona Water Conservation District See attached Exhibit (Subcontract No. 07-XX-30-W0494). The proposed AMI project will benefit the Bureau of Reclamation by saving over 275 acre feet per year of water. Again, Lake Meade and Lake Powell are in need of water that can be left behind to increase the volumes that remain in the lakes. The desert southwest has been in a drought for the last 20 years with no end in site, so any additional water supplies that can be saved will help this water infrastructure. This AMI project will directly benefit these lakes by conserving water that can be left behind to keep the lakes above critical levels.

Project Budget

Budget Proposal

Quantity	Unit	Description	Unit Price	Total Price
2	EA	Sensus M400 Base Station, 2-Way, Water Only	\$ 28,440	\$ 56,881
2	EA	Sensus Base Station Installationat Prepared Site (Estimate)	\$ 18,750	\$ 37,500
1	EA	FlexNet Network Deployment Project Management	\$ 10,000	\$ 10,000
1	EA	RNI SAAS Setup Fee, One Time	\$ 8,593	\$ 8,593
1	EA	Sensus Analytics Setup Fee, One Time	\$ 5,400	\$ 5,400
1	EA	RNI Core Education, Onsite Training, One Day	\$ 5,940	\$ 5,940
1	EA	Sensus Analytics Onsite Training Fee, One Day	\$ 4,320	\$ 4,320
1	EA	Sensus Analytics Basic Integration, Sensus	\$ 5,400	\$ 5,400
1	EA	Annual RNI SAAS Fee, Appox 5000 Services, Year 1	\$ 11,124	\$ 11,124
1	EA	Sensus Analytics Enhanced SAAS, Approx 5000 Services, Year	\$ 9,677	\$ 9,677
3	EA	Sensus M400 Base Station Protection Plan, Annual Fee per Base Station	\$ 1,911	\$ 5,732
4300	EA	520M MXU, 1 Port, TC Hourly Read, Leak Det	\$ 211	\$ 905,279
			Total	\$ 1,065,845
Quantity	Quantity	Position	Unit Price	Total Price
4,300	Hr	Maintenance Worker with tools	\$ 100	\$ 430,000
320	Hr	Water Distribution Supervisor	\$ 150	\$ 48,000
4,300	Hr	Utility Biling Technician	\$ 50	\$ 215,000
430	Hr	Project Management	\$ 150	\$ 64,500
320	Hr	Adminisitrative Assistant	\$ 50	\$ 16,000
480	Hr	Utility Billing Supervisor	\$ 75	\$ 36,000
80	Hr	Controller	\$ 150	\$ 12,000
160	Hr	Inspector	\$ 125	\$ 20,000
80	Hr	Budget Coordinator	\$ 120	\$ 9,600
			Total	\$ 851,100
Total Estimated Project Cost				\$ 1,916,945

Funding Plan and Letters of Commitment

Project funding for the non-federal cost-share will be provided by AJWD. AJWD will make contribution to the cost share requirements through a combination of monetary and in-kind service contributions.

The AMI project will not be provided by third party funding sources. Therefore, no letters of commitment are included with this application.

Table 1 - Summary of Non-Federal and Federal Funding Sources

FUNDING SOURCES	AMOUNT
Non-Federal Entities	
1 Apache Junction Water District, Budget	\$ 200,000
2 Apache Junction Water District, in-kind contribution	\$ 851,100
Non-Federal Sub Total	\$ 1,051,100
REQUESTED RECLAMATION FUNDING	\$ 865,845

Table 2 - Total Project Cost table

SOURCE	AMOUNT
Costs to be reimbursed with the requested Federal funding	\$ 865,845
Costs to be paid by the applicant	\$ 1,051,100
Value of third-party contributions	
TOTAL PROJECT COST	\$ 1,916,945

Budget Narrative

AJWD's proposed budget includes the following costs.

Salary and wages

AJWD has committed several employees to this project that include office and field staff to complete this project.

The salaries and wages have been included in the budget proposal for AJWD's employees who will be administering and overseeing the AMI project. Tasks may include but are not limited to project meetings, inspections, data input, software integration, public outreach, and education.

In addition to the project management and administration, AJWD will self-perform the installation of the radios with field staff.

The cost share for these budget items fall solely on AJWD.

Fringe Benefits

Fringe benefit rate have been included in the hourly rate for each position.

Travel

No travel costs are included in the budget

Equipment

Equipment costs have been included under the hourly rate for each employee.

Materials and supplies

Materials and supply costs have been included under the contractual portion of this narrative

Contractual/Construction

The contractual budget makes up the bulk of the overall budget proposal. AJWD will contract with local vendors for the purchase 4,300 radios, up to 2 fixed base data collectors, software to compile meter reading information into a usable format, customer/utility portal to maximize the benefits of the system, and staff training. The number of fixed base data collectors were obtained by a preliminary propagation study undertaken in May 2022; however, final figures and collector placement will be finalized once the propagation analysis is completed.

Other Expenses

No other expenses are included in this project

Indirect Costs

Indirect costs are not included in this requested budget.

Total Costs

Total AMI project cost are estimated at \$1,916,945 including the federal and non-federal cost share amounts.

Environmental and cultural resources compliance

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 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.

AMI will promote water conservation by allowing more water to stay in Lake Meade and Lake Powell which will be a benefit to the south west. AMI water meters will be installed in pre-existing meter boxes.

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?

There are no species that will be impacted.

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

No, the project will have no negative impacts on wetlands or surface waters.

When was the water delivery system constructed?

AJWD was purchased by the City of Apache Junction in 1994.

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.

No, this project will have no direct effects on irrigation systems.

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.

No. There are no buildings, structures, or features listed or eligible for listing on the National Register of Historic Places.

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

No, there are no known archeological sites in the proposed project area.

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

No, AMI will be equitably distributed throughout AJWD. AMI will actually have a positive impact on low-income populations because AMI will make customers aware of the direct costs associated with their water usage and provide tips for users to conserve water (and ultimately save money).

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

No, the project will not limit access to ceremonial use of Indian sacred sites or have any other negative impacts on tribal lands.

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?

No, the project will not contribute to the spread of noxious weeds or non-native species.

Required permits or approvals

No need AJWD to obtain permits or approvals to complete the AMI project.

Letters of support for the project and letters of participation

See attached letters from the:

City of Apache Junction

Superstition Mountain Communities Facility District No. 1

Official resolution

An Official Resolution has been prepared by the Apache Junction Water District and will be included on the agenda for an upcoming Water Board meeting. The approved resolution will be submitted no later than August 31, 2022.

Conflict of Interest Disclosure

There are no conflict of interest on this project.

Uniform Audit Reporting Statement

AJWD was not required to submit an audit report in the most recent fiscal year.

Appendix A

Mandatory Federal Forms

SF-424 Application for Federal Assistance

SF-424A Budget Information for Non-Construction Programs

SF-424B Assurances for Non-Construction Programs

This Workspace form is one of the forms you need to complete prior to submitting your Application Package. This form can be completed in its entirety offline using Adobe Reader. You can save your form by clicking the "Save" button and see any errors by clicking the "Check For Errors" button. In-progress and completed forms can be uploaded at any time to Grants.gov using the Workspace feature.

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OPPORTUNITY & PACKAGE DETAILS:

Opportunity Number:	R23AS00008
Opportunity Title:	WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2023
Opportunity Package ID:	PKG00273873
CFDA Number:	15.507
CFDA Description:	WaterSMART (Sustain and Manage America's Resources for Tomorrow)
Competition ID:	R23AS00008
Competition Title:	WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2023
Opening Date:	05/02/2022
Closing Date:	07/28/2022
Agency:	Bureau of Reclamation
Contact Information:	Christina Munoz

APPLICANT & WORKSPACE DETAILS:

Workspace ID:	WS00946738
Application Filing Name:	AJWD - FY2023 WaterSMART WEEG
UEI:	LVQ1UEDEJJJ5
Organization:	WATER UTILITIES COMMUNITY FACILITIES DISTRICT
Form Name:	Application for Federal Assistance (SF-424)
Form Version:	4.0
Requirement:	Mandatory
Download Date/Time:	Jul 28, 2022 06:51:59 PM EDT
Form State:	No Errors

FORM ACTIONS:

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Apache Junction Water District

* b. Employer/Taxpayer Identification Number (EIN/TIN):

86-0358590

* c. UEI:

LVQ1UEDEJJJ5

d. Address:

* Street1: 300 East Superstition Blvd.

Street2: Bldg. D

* City: Apache Junction

County/Parish:

* State: AZ: Arizona

Province:

* Country: USA: UNITED STATES

* Zip / Postal Code: 851192825

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: * First Name: Mike

Middle Name:

* Last Name: Loggins

Suffix:

Title: Water District Director

Organizational Affiliation:

* Telephone Number: 480 474-2625

Fax Number:

* Email: mloggins@apachejunctionaz.gov

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Bureau of Reclamation

11. Catalog of Federal Domestic Assistance Number:

15.507

CFDA Title:

WaterSMART (Sustain and Manage America's Resources for Tomorrow)

* 12. Funding Opportunity Number:

R23AS00008

* Title:

WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2023

13. Competition Identification Number:

R23AS00008

Title:

WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2023

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Advanced Metering Infrastructure Project

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	865,845.00
* b. Applicant	1,051,100.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	1,916,945.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

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Contact Information:	Christina Munoz

APPLICANT & WORKSPACE DETAILS:

Workspace ID:	WS00946738
Application Filing Name:	AJWD - FY2023 WaterSMART WEEG
UEI:	LVQ1UEDEJJJ5
Organization:	WATER UTILITIES COMMUNITY FACILITIES DISTRICT
Form Name:	Budget Information for Non-Construction Programs (SF-424A)
Form Version:	1.0
Requirement:	Optional
Download Date/Time:	Jul 28, 2022 06:52:27 PM EDT
Form State:	No Errors

FORM ACTIONS:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2025

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Equipment		\$	\$	\$ 865,845.00	\$ 200,000.00	\$ 1,065,845.00
2. Salary & wages (including fringe benefits)					851,100.00	851,100.00
3.						
4.						
5. Totals		\$	\$	\$ 865,845.00	\$ 1,051,100.00	\$ 1,916,945.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Equipment	(2) Salary & wages (including fringe benefits)	(3)	(4)	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)					\$
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$	\$	\$	\$	\$
7. Program Income	\$	\$	\$	\$	\$

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Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1A

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Equipment	\$	\$	\$	\$
9.	Salary & wages (including fringe benefits)				
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$	\$	\$	\$

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Equipment	\$	\$	\$	\$
17.	Salary & wages (including fringe benefits)				
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

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Contact Information:	Christina Munoz

APPLICANT & WORKSPACE DETAILS:

Workspace ID:	WS00946738
Application Filing Name:	AJWD - FY2023 WaterSMART WEEG
UEI:	LVQ1UEDEJJJ5
Organization:	WATER UTILITIES COMMUNITY FACILITIES DISTRICT
Form Name:	Assurances for Non-Construction Programs (SF-424B)
Form Version:	1.1
Requirement:	Optional
Download Date/Time:	Jul 28, 2022 06:52:38 PM EDT
Form State:	No Errors

FORM ACTIONS:

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
Completed on submission to Grants.gov	Water District Director
APPLICANT ORGANIZATION	DATE SUBMITTED
Apache Junction Water District	Completed on submission to Grants.gov

Appendix B

Letters of Support

City of Apache Junction

Superstition Mountain Facilities Community District No. 1



City of Apache Junction

300 East Superstition Boulevard • Apache Junction, Arizona 85119 •
www.apachejunctionaz.gov

July 28, 2022

Bureau of Reclamation
Financial Assistance Operations Section
PO Box 25007
Denver, CO 80225

Dear Bureau of Reclamation:

As the Assistant City Manager of the City of Apache Junction, I wish to express my support for the Apache Junction Water District in obtaining a 2022 WaterSMART Grant for their Advanced Metering Infrastructure (AMI) project. AMI is proven to reduce overall water usage.

AJWD supplies over 30% of the city's water supply. This water originates from surface water from the Colorado River, Lake Meade Reservoir and Lake Powell Reservoir. AMI will help reduce water usage from these sources. This will directly benefit the river along with reservoir levels. Water saved from surface sources has a greater potential to remain in the watershed and benefit the entire watershed of the southwest. We support AJWD in improving their water infrastructure and its capability to provide better water usage data to its customers in an effort to conserve water.

Thank you for your consideration.

Sincerely,

Matt Busby
Assistant City Manager



SUPERSTITION MOUNTAINS COMMUNITY FACILITIES DISTRICT NO. 1

5661 South Ironwood Drive | Apache Junction, Arizona 85120
(480) 941-6754 | Fax (480) 671-3180 | www.smcfd.org

Bureau of Reclamation
Financial Assistance Services
P.O. Box 25007
Denver Colorado, CO 80225

Subject: Letter of Support - WaterSMART Water and Energy Efficiency Grant

Dear Bureau of Reclamation,

The Superstition Mountains Community Facilities District (SMCFD), the sewer provider for the City of Apache Junction, would like to express our support of the Apache Junction Water District application for a grant under the Bureau of Reclamation's WaterSMART Water and Energy Efficiency Program.

We understand that the Apache Junction Water District located in the City of Apache Junction is proposing an Advanced Metering Infrastructure (AMI) Project that would convert a total of 4,300 meters to AMI compatible meters, install a fixed network data collection system, utility management and customer portals that will achieve significant water savings. SMCFD supports these types of water efficiency projects and anticipates that this project will help reduce unnecessary flows to the wastewater facility.

Sincerely,

Darron Anglin, PE
District Manager