

**Helendale Community Services District**  
**AMI Smart Meter Installation Program –**  
**Phase II**  
BOR-DO-19-F005

Water SMART: Small Scale Water Efficiency Projects for Fiscal Year 2019

PREPARED FOR:  
Bureau of Reclamation  
Financial Assistance Support Section  
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April 3, 2019

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## **Executive Summary**

**Date:** April 3, 2019

**Name:** Helendale Community Services District

**City:** Helendale

**County:** San Bernardino County

**State:** California

## **Project Summary**

Helendale Community Services District is seeking financial assistance to install 800 new Sensus iPerl smart meters and 425 AMI radios to replace the District's outdated meters and Automatic Meter Read (AMR) radios, which require a member of our Staff to drive around monthly to capture meter reads. Advanced Metering Infrastructure (AMI) consists of a smart meter and two-way communication between the meter and the utility. AMI technology will assist the District in our water planning, water conservation efforts and enhance our customer service.

The District began a Pilot program in 2016 with a grant from Mojave Water Agency which allowed the District to purchase and install 109 meters. We chose the Sensus iPERL meters and radios because of its superior technology and performance. Staff performed a series of tests comparing iPERL with four other smart meters. On average the iPERL outperformed the other meters. Sensus iPERL's have no moving parts and maintain their accuracy over a 20-year lifetime. With Advanced Metering Infrastructure (AMI) connectivity as well as 14 alarms including condition, diagnostic and lifetime alarms—iPERL meters provide a quick resolution to issues experienced in the field. iPERL meters also reduce non-revenue water, measuring flow rates as low as .1-.3 gpm.

Phase I of the program was partially funded through a grant from the Bureau of Reclamation's Small-Scale Water Efficiency Program for Fiscal Year 2017. Phase I allowed the District to install 400 new AMI meters and radios as well as the tower that transmits the data. We began Phase I in the tract furthest from the office because that is where most of the older water meters in the District were located. Also, starting in the tract furthest away from the District will reduce meter reading time and mileage.

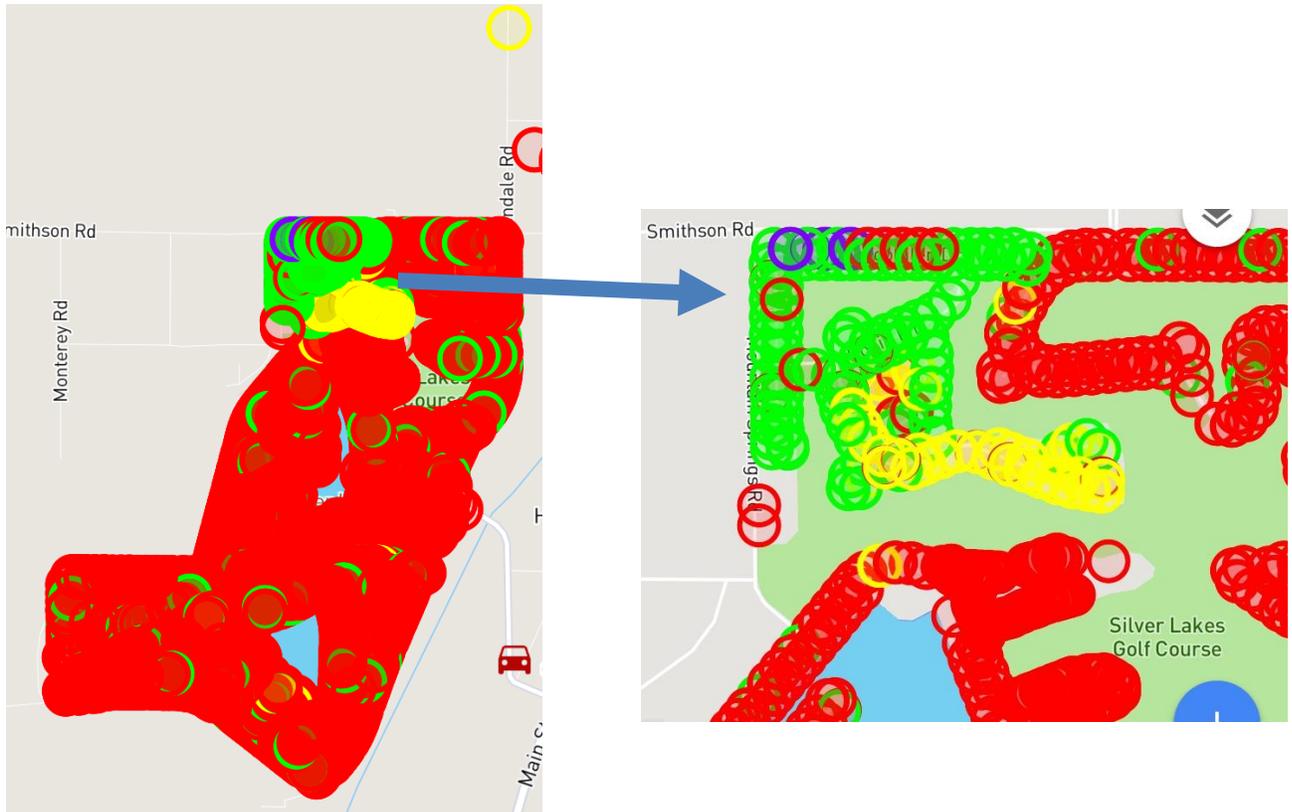
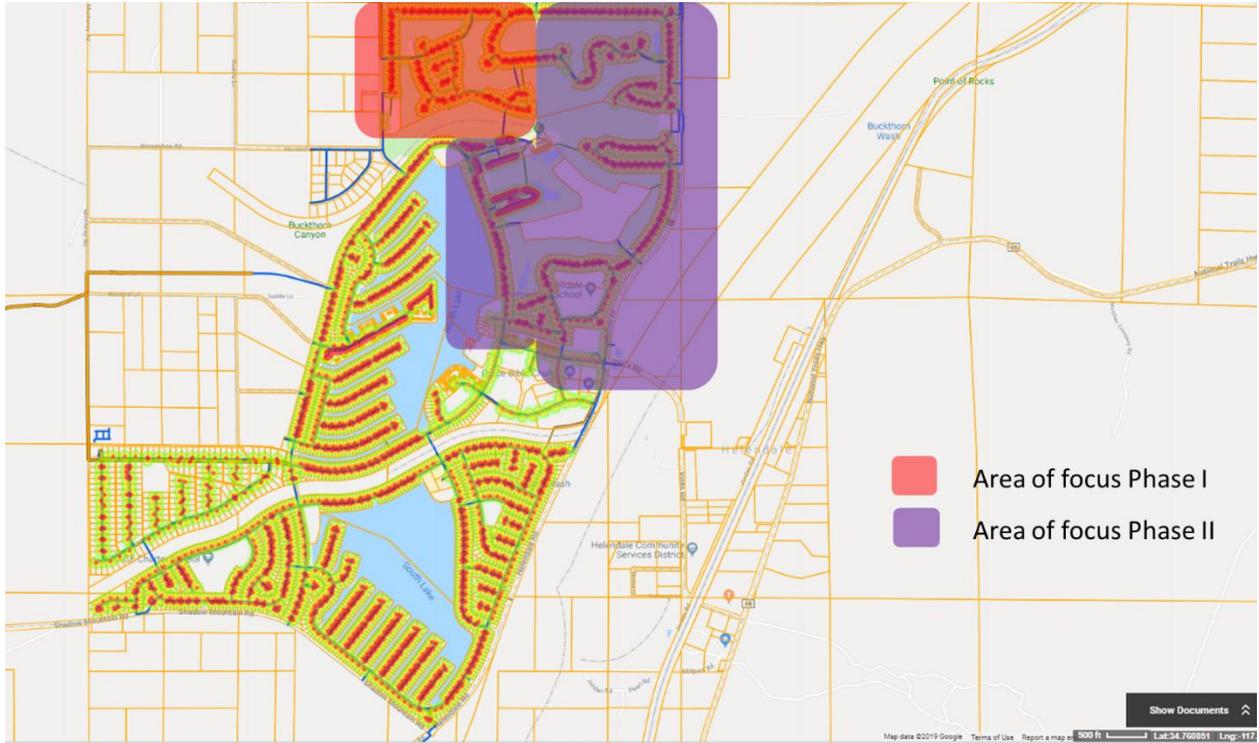


Photo above: MAP SHOWING METERS INSTALLED IN PHASE I

Phase II of the program will continue where Phase I ended, and there will be no overlap or duplication of work in Phase II. If there are any faulty meters found from Phase I, those meters will be swapped out under the Sensus warranty, thus guaranteeing this Phase of the project will be completely separate from the previous phase of the project.



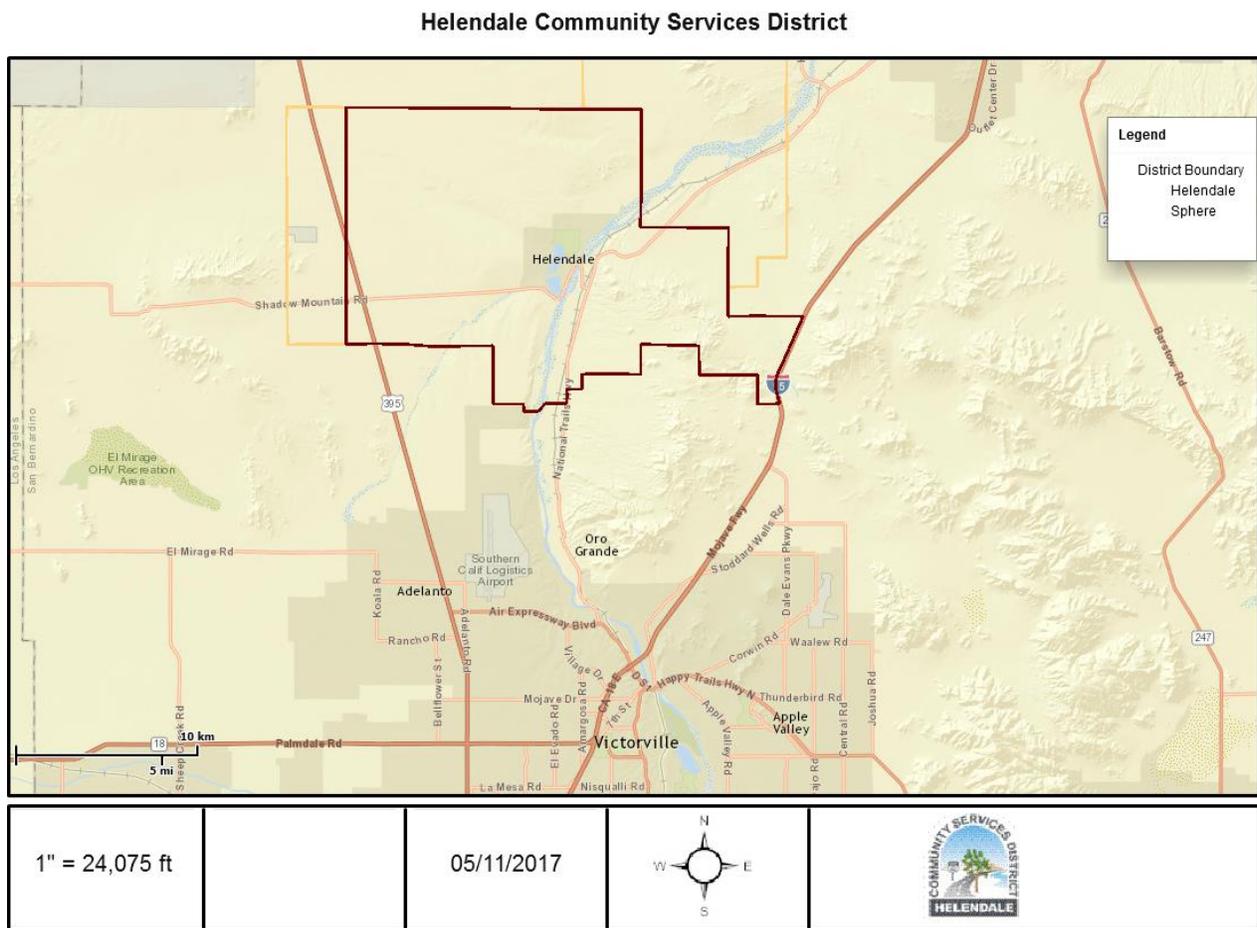
***Photo above:*** MAP SHOWING METERS TO BE INSTALLED IN PHASE II

***Length of Project***

2 Years beginning October 2019 (or upon notice to proceed).

The proposed project ***is not*** located on a Federal facility.

## Background Data



The Helendale Community Services District (HCS D) was formed in 2006 by a vote of the people and assumed operational duties on April 1, 2007. HCS D provides water, sewer, solid waste, street lighting, refuse collection, parks and recreation, and graffiti abatement services to residents living within its boundaries. A five- member board of elected directors provides the governance for HCS D. “Efficient, Effective, Local Government” is the mission of HCS D.

Helendale is located within San Bernardino County approximately 98 miles northeast of Los Angeles and 54 miles north of the city of San Bernardino. The Helendale CSD boundary encompasses 116 square miles and serves a population of 6,379 according to the 2010 Census. The Helendale Water System contains 2 active wells and 4 standby wells, approximately 45 miles of pipes ranging in size from 4 inches to 16 inches in diameter, approximately 300 hydrants, and 2,812 service connections. Distribution pipelines in the District’s potable water distribution system carries water to residential, industrial and commercial users.

The District’s water supply is comprised of 100% groundwater. However the District has make up water requirements. Any imported water is purchased through Mojave Water Agency, a State Water Contractor, which comes from State Water Project supplies.

In 2018 the District pumped 1496 AFY of water to residential, commercial, institutional, and irrigation accounts. Projections for increased population will greatly increase the need for water and conservation and efficiency measures needed to support the water use of the community. This requires immediate action on the part of the District to begin addressing these issues to ensure adequate water for future water needs. Without implementing conservation and efficiency measures such as the Smart Meter replacement program, the District will not be able to sustain future growth or increased demand. The proposed AMI Smart Meter Project will assist the District in achieving greater water conservation and efficiency as a result of this project will help us to better manage our water.

The goal is to increase efficiency and conserve water by a minimum of 10% through the installation of AMI meters. The Helendale CSD will closely track and monitor the water usage of customers with new AMI meters to determine the water conservation savings that are achieved post AMI meter installation.

The District has worked with Reclamation for our Small-Scale Water Use Efficiency Grant for Fiscal Year 2017. We were awarded a grant for \$75,000 to install 400 meters and the AMI radio antenna.

### **Project Description**

The District has aging meters that no longer read accurately. The useful life of the Districts current Sensus SR11 water meters are between 15-20 years. The majority of the Districts meters are over 20 years old. The problem with the aging meters is that low flows are not being read accurately which is leading to unaccounted for water loss. This impacts the Districts revenue. The other main problem the District has with our current AMR meters is that we are only able to get reads monthly. This limits our ability to help customers detect leaks in a timely manner. A leak could go undetected for at least 30 days with our current system and low continuous flows that are not registered may not be detected for much longer. With new AMI meters, the accuracy of the meters is guaranteed for 20 years and with the new technology that alerts staff to leaks, we will be able to detect leaks almost immediately. The need for the meter replacement program is a main priority of the District, because as the meters age even more, we will continue to have higher levels of unaccounted for water loss that will continue to go undetected. In an effort to increase our conservation measures, and use water more responsibly, it is important that the District be able to notify customers as soon as possible to get any leaks repaired immediately to avoid water waste.

The District expects the unaccounted-for water loss to go from 9% to 4% as a direct result of this project. We also expect to see an increase in conservation, and anticipate that customers will save a minimum of 10% due to immediate leak notification and because customers will have more data which can be used to make more conscientious decisions when it comes to how they use water.

The new AMI technology will also enable the District to provide better service to our customers. Advanced Metering Infrastructure (AMI) consists of a smart meter and two-way communication between the meter and utility. Staff will have access to real time consumption data, which will better improve service to customers. AMI has many other benefits including access to more data, which will help the District to make better, more informed decisions; provides more accurate billing; and customer analytics that will give the District a better understanding of customer usage

and patterns. The increased data and benefits of the AMI system will lead to better resource management. Customers will also be able to better manage their water use and repair leaks immediately.

### **Evaluation Criterion A - Project Benefits**

- **Describe the expected benefits and outcomes of implementing the proposed project.**

The Smart Meter Replacement program will help the Helendale Community Services District improve its water management practices by removing 800 outdated meters that are no longer reading accurately and installing in their place 800 Smart meters with AMI radios. This will be an important first step in a 5-year program to remove all 2,812 of the District's old meters and replace them with new Smart Meters and AMI radios.

The benefit of replacing these old meters will be more accurate meter reads and new technology that will allow for on-demand reads and leak detection. The Smart Meter replacement program will help the District conserve water and better manage water losses by using the technology to mitigate leaks through real-time meter reading capabilities. Approximately 96% of the District's meters are over 20 years old and have surpassed their useful life. Old meters have diminished capabilities to accurately meter or report water usage, especially very low flows. This leads to undetected leaks and unaccounted for water usage and loss, and is costly for the District. The AMI project will help the District mitigate these losses in a timely and efficient manner with 24-hour monitoring and alert capabilities.

Additionally, the watermaster recently approved a 5% rampdown of allowed water usage in the alto sub region. This means that we have a 5% reduction of our allowed water usage for the District. If we exceed the allotted usage, we are required to purchase makeup water from Mojave Water Agency (State Water Project water). The new AMI meters will allow us to monitor water usage more closely and address excessive usage and leaks right away, which will help conserve water.

This will result in conservation of the region's most precious resource – water. This project is well aligned with the Bureau of Reclamations goal to manage, develop, and protect water and energy resources in an environmentally and economically sound manner.

- **What are the benefits to the applicant's water supply delivery system?**

This program will have water savings as well as embedded energy savings due to the reduction in water use that will lead to a reduction in energy required to pump groundwater for delivery to users.

By switching from standard volumetric meters that are outdated and do not have the capability of remote monitoring to Smart Meters with AMI radios that provide real-time, two way communication electronically to District staff, we will be able to mitigate water leaks and losses, and educate consumers on how to reduce water usage and help control water use during droughts.

Another benefit of installing the new smart meters is that these meters have the capability of detecting backflow. This will ensure that if there are any backflow situations, Staff will be alerted immediately to the problem and be able to address it before any water quality issues arise.

- Other benefits
  - **Extent to which the proposed project improves overall water supply reliability**

This project will help improve overall water supply reliability due to increased water conservation. Using the AMI radio technology to monitor for leaks, the District expects to see a 10% reduction in overall water usage. This water savings will help ensure a reliable supply of water for the community.

- **The expected scope of positive impact from the proposed project will increase collaboration and information sharing among water managers in the region**

This project will demonstrate how AMI technology greatly improves water management and conservation. As a result of this project we will be able to demonstrate to other water managers and agencies, how these devices and enhanced technology improve our ability to reduce water loss and leaks by allowing our staff to more quickly respond to them. The District will be able to collaborate with other agencies and water managers in the region and share the results from this project. A report with our findings regarding enhanced efficiencies and water savings will be submitted to Mojave Water Agency, the region's water wholesaler so other Districts can see the savings we have achieved. The District will also submit a poster with our findings to the AWWA Water Smart Conference to allow us to share our results on a large scale at the conclusion of the program. Other agencies will be able to learn from our project and see the benefits of this new technology and how it improves water management. Water usage data will also be tracked. Usage will be compared to previous year's usage to monitor savings. Staff will get alarms from when there is a potential leak and will look at the system daily to monitor the usage trends and notify customers of potential issues.

- **Any anticipated positive impacts/benefits to local sectors and economies (eg. Agriculture, environment, recreation, tourism)**

The reduction in water use could result in less groundwater pumping which will have a benefit to the environment. Reduced groundwater pumping will ensure ground water levels are not depleted, reduce the possibility of subsidence, and reduce the likelihood of deteriorated ground water quality. Reduced groundwater pumping will also help ensure a reliable source of water for the agricultural users in the basin.

Additional environmental benefits resulting from the AMI project will be achieved through the elimination of meter readers taking vehicle trips to read meters monthly. This will help to reduce Greenhouse gas emissions, help promote clean air efforts, and reduce fuel consumption. Reduced maintenance on the meters will also save vehicle trips to go out and repair meters.

### **Evaluation Criterion B – Planning Efforts Supporting the Project**

#### **Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?**

The main problem this project will be addressing is the need for new meters and technology that will decrease water loss and increase water management and leak mitigation. The District has a Water Conservation Ordinance that calls for a 25% reduction in water use compared to 2013.

This program will help achieve the goal of water conservation by giving the District real time water consumption data and leak alerts. Leak alerts will allow us to notify customers in a timely manner of a potential leak, which could potentially save thousands of gallons of water.

The need for new more accurate meters has been a priority for the District and has been included in the previous and current Capital Improvement Plan. Funding limitations have been the main reason this program has not been implemented. Grant funding will be necessary to complete this program; however, the District has already budgeted matching funds if awarded.

The District is dedicated to managing water resources effectively and the implementation of this program will give the District valuable data that will help to formulate a Water Management Plan, which is necessary to help us better, manage our water to ensure a sustainable supply and help guide future projects as they relate to water reliability.

**Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.**

The majority of the District's 2,812 meters are over 20 years old, and have surpassed their useful life. Approximately 1,823 meters are over 20 years old; 253 meters are over 15 years old, 619 are over 10 years old, and 45 meters are under 10 years old. The meters the District has in the ground have a useful life of 15-20 years. These old meters are no longer registering low flows accurately and as a result are causing unaccounted for water loss. We are currently experiencing a 9% unaccounted for water loss, which is approximately 163 acre-feet of water annually. This number is expected to increase as the meters get older. Staff expects to see a reduction of unaccounted for water loss resulting from replacing the District's old meters. The new smart meters are guaranteed for reading accuracy for 20 years, so the District can expect to save over 1467 AF of water in unaccounted for water loss and 2664 AF of water due to customer savings over the useful life of the new Smart meters.

A large portion of the District's water losses are attributed to leaks that are not quickly or easily detectible with the current outdated metering system. With the installation of smart meters and AMI radios, the District will be able to identify leaks and other water losses almost immediately. The installation of smart meters and AMI radios will eliminate time lapses and provide immediate access to data regarding leaks. This will significantly cut down on water loss issues and help conserve water. This project also aligns with the District's water conservation goals. Installing Smart meters will result in significant water savings by allowing our staff to immediately identify and notify customers of water leaks, monitor usage, and offer education and resources to customers with high water usage. Prior to installing the antenna during Phase I of the program, the District had no technology that would alert staff or customers to leaks, so it could potentially take over a month to identify these issues. This is still true for the majority of the District's meters as over 2,200 of our meters have still not been converted to AMI. This resource will allow the district and customers to better manage their water usage which will translate into water savings. The resulting water savings will also help the District conserve energy because of the reduced need for pumping.

The District chose this project over other potential projects due to the age of the meters and the amount of water that is being lost due to the inaccuracy of the old meters. Staff anticipates the meter accuracy to continue to degrade as the years go by which will increase the unaccounted-for water loss and greatly impact revenue. This project was also chosen due to the increased conservation benefits. With the recent drought, the District has put an emphasis on conservation and believes that these new AMI Smart Meters will enhance conservation and prevent prolonged leaks and helping identify small consistent leaks that often go unnoticed but add up over time.

**Evaluation Criterion C – Project Implementation:**

In an effort to increase the efficiency of the District’s water planning efforts, the District will be installing new AMI Smart Meters throughout the District. This Smart Meter installation program will effectively help us meet this goal.

If the District receives funding through the Bureau of Reclamation for this project, we will purchase 800 smart meters and 425 radios to be installed within two (2) years of the award.

Since we have already begun installing meters in the furthest track from the District office, the plan is to continue installing meters where we left off from the previous grant. See map for each Phase of the project below. Two to three staff members will install an estimated 10 meters per week. One staff member will Vector the meter boxes in the morning while the rest of the staff installs the bushings on the meters to be installed for that day. Staff will then go out to the field to install the meters and complete all of the paperwork.

Future phases of the meter rotation program will allow the District to continue replacing all of our AMR meters with the new Smart Meters and AMI radios.

**Project Schedule:**

<b>Milestone</b>	<b>Planned Start Date</b>	<b>Planned Completion Date</b>
Purchase 800 and Smart Meters and 425 Radios @10 per week	October 2019	October 2021

**Permits that will be required:**

None

**Engineering or design work needed for proposed project:**

None

**New policies or administrative actions required to implement the project:**

The Board approved the project at the February 7, 2019 Board meeting. There are no further administrative actions required to implement this project.

**Evaluation Criterion D – Nexus to Reclamation**

- **How is the proposed project connected to a Reclamation project or activity?**  
The District’s water supply is 100% groundwater, and does not currently receive water from Reclamation. However, if the District needed to purchase make up water from Mojave Water Agency, that water would come from State Water Project supply. The reduction in water use as a result of this project will help conservation efforts in

alignment with State mandates and reduces the potential need to purchase State Water Project water.

Additionally, the Watermaster recently approved a 5% rampdown of allowed water usage in the alto sub region. This means that we have a 5% reduction of our allowed water usage for the District. If we exceed the allotted usage, we are required to purchase makeup water from Mojave Water Agency (State Water Project water). The new AMI meters will allow us to monitor water usage more closely and address excessive usage and leaks right away, which will help conserve water.

- **Will the project help reclamation meet trust responsibilities to any tribe(s)?**

No

- **Does the applicant receive Reclamation project water?**

No, the Helendale CSD does not receive Reclamation project water.

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

No, this project is not on Reclamation project lands and does not involve Reclamation facilities.

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

The project will be taking place in the alto sub basin. The reduced consumption as a result of installing new meters will mean less groundwater being pumped in the basin.

#### **Evaluation Criterion E – Department of the Interior Priorities**

- **Creating a conservation stewardship legacy second only Teddy Roosevelt**
- **Utilizing our natural resources**
  - *Ensure American Energy is available to meet our security and economic needs.*  
By reducing the amount of water pumped we will be reducing energy needs to pump water, thus ensuing energy is available to meet our security and economic needs.
  - *Manage Competition for grazing resources.*  
By reducing our communities water consumption, there will be more groundwater available for agricultural uses.
- **Restoring trust with local communities**
  - Be a better neighbor with those closest to our resources by improving dialogue and relationships with persons and entities bordering our lands  
Reducing water consumption and focusing on water conservation will make our District a better neighbor by ensuring clean reliable water in our groundwater basin.
- **Striking a regulatory balance**
  - Not applicable
- **Modernizing our infrastructure**
  - Support the White House Public/Private Partnership Initiative to modernize U.S. infrastructure.  
The District is working with Sensus and installing the latest in meter technology to ensure we have modern infrastructure that will help detect leaks and ensure a reliable water source for future generations.

- Prioritize DOI infrastructure needs to highlight:  
Deferred Maintenance – Because of the 20-year warranty on the new meters, maintenance will not have to be deferred. Meters that are malfunctioning will be replaced right away. The new meters also have no moving parts, therefore, there will be little maintenance required on the meters.

**Funding Plan and letters of Commitment**

Funding for the AMI Meter Replacement Program will come out of the 2019/20 and 2020/21 Fiscal Years Water Budget. The District will use the \$86,578.65 from the meter maintenance budget to purchase the meters, radios and meter parts and \$35,457.50 from the water budget for employee and equipment costs. The funding requested from Bureau of Reclamation is \$74,796.35. The total cost for Helendale COMMUNITY SERVICES DISTRICT’S AMI SMART METER INSTALLATION PROGRAM – PHASE II is \$196,832.50. The District has the necessary funding, and is ready to proceed with this project.

The funding for this project is available now.

There are no time constraints on the availability of the funds for this project.

There are no other contingencies associated with the funding of this project.

Funding Sources	Amount
<b>Non-Federal Entities</b>	
1. Helendale CSD	\$122,036.15
<b>Non-Federal Subtotal</b>	<b>\$122,036.15</b>
<b>Other Federal Entities</b>	
1. None	
<b>Other Federal Entities Subtotal</b>	\$0
Requested Reclamation Funding	<b>\$74,796.35</b>
<b>Total Project Cost</b>	<b>\$196,832.50</b>

The District does not have funding from any other sources for this project.

There will be no costs incurred before the anticipated Project start date that we will be seeking reimbursement for.

There will be no other funding from any Federal Sources for this Project

The District does not have any pending requests for funding.

## Letter of Commitment



# Helendale Community Services District

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26719 Vista Road, Ste. 3 - P.O. Box 359  
Helendale, California 92342-0359  
(760) 951-0006 Fax (760) 951-0046

### Letter of Commitment

April 16, 2019

Dear Bureau of Reclamation:

The Helendale CSD is seeking a grant of **\$74,796.35** from the Bureau of Reclamation WaterSMART: Small Scale Water Efficiency Projects for Fiscal Year 2019 (Funding Opportunity # BOR-DO-19-F005) for support of our ***AMI SMART METER INSATLLATION PROGRAM PHASE II***. We believe this project is very much aligned with the Bureau of Reclamation's goals for promoting water use efficiency.

Funding for this program will come from our water budget. The District has allocated \$122,036.15 as a match for this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kimberly Cox".

Kimberly Cox

General Manager

Helendale Community Services District

760-951-0006 [kcox@helendalecsd.org](mailto:kcox@helendalecsd.org)

## Budget Proposal

Budget Item Description	Computation		Quantity Type	Total Costs
	\$/Unit	Quantity		
<b>Salaries and Wages</b>				
Water Systems Operator III	\$ 30.47	100	Hourly Rate	\$ 3,047.00
Water Systems Operator III	\$ 27.65	250		\$ 6,912.50
Water Systems Operator II	\$ 25.05	250		\$ 6,262.50
<b>Fringe Benefits</b>				
Water Systems Operator III	\$ 10.96	100	Hourly Rate	\$ 1,096.00
Water Systems Operator III	\$ 10.44	250		\$ 2,610.00
Water Systems Operator II	\$ 6.08	250		\$ 1,520.00
<b>Equipment</b>				
Vactor Truck	\$ 52.72	100	Hourly Rate	\$ 5,272.00
Truck 217	\$ 34.95	250		\$ 8,737.50
<b>Supplies and Materials</b>				
Sensus iPERL Meters	\$ 800.00	118	Per Meter	\$ 94,400.00
AMI Radios	\$ 425.00	135	Per Radio	\$ 57,375.00
Bushings & Fittings	\$ 13.00	800		\$ 9,600.00
<b>Contractor/Construction</b>				
None	\$ -	0	N/A	\$ -
<b>Third Party/In-Kind Contributions</b>				
None	\$ -	0	N/A	\$ -
Other	\$ -	0	N/A	\$ -
<b>Total Direct Costs</b>				<b>\$ 196,832.50</b>
<b>Indirect Costs</b>				
Type of Rate	Percentage	\$base		\$
<b>Total Estimated Project Costs</b>				<b>\$ 196,832.50</b>

## **Budget Narrative**

### **Salaries and Wages**

Cheryl Vermette, Program Coordinator and Craig Carlson, Water Operations Manager will be the project managers. Salary and fringe benefits for the staff that will be involved in the Meter Installation program are listed in the above chart. The estimated hours in the above chart indicate time for installation of meters and the radio tower only. The District is not seeking reimbursement for any administrative or reporting requirements related to this program; therefore, costs for the Program Coordinator have not been included in the budget. Hours for one Water Operator III to vector meter boxes is estimated at 100 hours. Estimated hours for one Water Operator II and one Operator III are estimated at 400 hours each to install 800 meters and radios each taking 30 minutes to install. Salaries are estimated to be \$16,222.00.

### ***Fringe Benefits***

The calculation for fringe benefits in the above chart includes costs for medical, dental, life insurance and CalPers Retirement paid by the District. The calculations for fringe benefits are based on the number of hours estimated for installation of meters. Fringe Benefits are estimated to be \$5,226.00.

### ***Travel***

Not applicable, there will be no travel required for this project.

### ***Equipment***

The District will use two service trucks and one Vector truck to complete this project. The District owns this equipment; the costs on the chart listed above are the hourly rate costs for the equipment. We estimate that Truck 203 and Truck 216 will be used for 200 hours each (30 minutes per meter). The Vector truck is estimated to be needed for 80 hours (20 minutes per meter). Equipment costs are estimated to be \$14,009.50.

### ***Materials and Supplies***

Materials for this project include:

800 Smart meters and bushings at a cost of \$94,400.00

425 dual port AMI Radios at a cost of \$57,375

Meter Bushings at a cost of \$9,600.00

These prices were based on quotes from the manufacturer.

### ***Contractual***

There will be no work done by contractors for this project.

### ***Environmental and Regulatory Compliance Cost***

There will be no environmental or regulatory costs associated with this project.

### ***Other Expenses***

Not applicable

### ***Indirect Costs***

Not Applicable

### **Total Costs**

The total cost of this project is \$196,832.50. The District's portion will be \$122,036.15. The amount requested from the Bureau of Reclamation Funding is \$74,796.35.

## *Environmental and Cultural Resource Compliance*

The AMI project will simply replace old AMR meters with new AMI meters and radios in the same location. As a result, the Helendale CSD does not anticipate environmental impacts associated with the proposed AMI project.

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

No.

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

Not applicable.

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

No.

4. **When was the water delivery system constructed?**

The two main wells used for distribution were drilled in 2010 and 2011. The water distribution system was constructed in the mid 1970's.

5. **Will the proposed project result in any modification of or effects to individual features of an irrigation system (e.g., head gates, 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

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

No.

7. ***Are there any known cultural resources sites in the proposed project area?***

No.

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

No.

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

No.

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

No.

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There will be no permits or approvals required to complete this project.



**RESOLUTION NO. 2019 – 01**

**A RESOLUTION OF THE HELENDALE COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS, IN SUPPORT OF FILING AN APPLICATION WITH THE BUREAU OF RECLAMATION FOR A GRANT UNDER THE WATER SMART: SMALL-SCALE EFFICIENCY PROJECTS FOR FISCAL YEAR 2017**

**WHEREAS**, the United States Bureau of Reclamation is currently soliciting proposals for grant funding assistance under their Water-Smart Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2019

**WHEREAS**, District Staff has prepared a grant application under the United States Bureau of Reclamation’s -Smart Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2019.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Helendale Community Services District as follows:

1. The District’s Board of Directors has reviewed and supports the submission of a grant application to the Bureau of Reclamation for the project;
2. The District’s General Manager, Kimberly Cox, is directed to submit the grant application and is authorized to enter into an agreement with the Bureau of Reclamation on behalf of the District for grant funding under the Bureau of Reclamation’s Water -Smart Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2019;
3. The District is capable of providing the amount of funding and in-kind contributions as specified in the application; and
4. The District will work with the Bureau of Reclamation to meet established deadlines for entering into a cooperative agreement.

**ADOPTED** this 7th day of February, 2019 by the following vote:

AYES: 5

NOES: 0

ABSENT: 0

ABSTAIN: 0

  
\_\_\_\_\_  
Sandy Haas, Secretary

  
\_\_\_\_\_  
Ron Clark, President

- (i) Helendale CSD is registered in the System for Award Management (SAM)
- (ii) Unique Entity Identifier: DUNS Number 027998746
- (iii) The District will maintain an active SAM registration with current information at all times during which it has an active Federal award or application under consideration by a Federal awarding agency.