

Bureau of Reclamation Grant Application
July 25, 2018

Project:

Meter Upgrade Replacement Program

Applicant:

Oak Creek Water Company
90 Oak Creek Blvd.
Sedona, Arizona 86336

Project Manager:

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Technical Proposal and Evaluation Criteria

Executive Summary

Submission Date: July 25, 2018

Applicant: Oak Creek Water Company
90 Oak Creek Blvd.
Sedona, Arizona 86336
Yavapai County

Oak Creek Water Company (OCW) has 423 of its 752 meters that are over 16 years old and/or have usage exceeding 1.5 million gallons and have exceeded their life expectancy. OCW has an additional 179 meters that are between 10 and 15 years old and/or have usage exceeding 1.0 million gallons and will be approaching their life expectancy. With this project, OCW will be replacing 348 inaccurate aged meters with Badger electronic smart e-meters to address potential water loss caused by customer low flow leaks (toilet tanks running, dripping faucets, defective swamp cooler float valves, etc) that are not being captured. We are anticipating to reduce our water losses for our system from an average of 15% to below 10% to come into compliance with the Arizona Corporation Commission. We are also anticipating increase our revenue by 15 to 20% with these new flow meters by capturing the low flow usage. OCW has very limited resources due to its small size, its large portion of Low to Moderate Income (LMI) customers and its aging infrastructure financial needs. This project will expedite our Capital Improvement Plan and will enable OCW to replace all meters in three years instead of five years.

The time to complete this meter replacement program is estimated at 18 months with an estimated completion date of March 31, 2020.

The proposed project is not on a federal facility.

Background of Oak Creek Water Company

OCW was established in 1953. OCW is a not for profit 501C.12 company that has water delivery authority located within the Lower Colorado Region. Our service area is approximately 1 square mile consists of approximately 600 residential and 150 commercial accounts and services approximately 1,500 people. The source of the water supply for OCW comes from three wells located within the water service area. Wells No. 2 and 3 each pump 150 gpm and are located on the same parcel and are run alternatively. Well No. 4 pumps 300 gpm and is located on a separate parcel. The system consists of 9.86 miles of water mains and five storage tanks with a total capacity of approximately 485,000 gallons.

OCW has an aging infrastructure that now has inefficient meters, leaking and/or inoperative valves and hydrants and is experiencing an increase in water main breaks. Financially, as of 2016, OCW was just making ends meet without any means to support infrastructure improvements. OCW was approved by the Arizona Corporation Commission in late 2016 for a rate increase. The 2017 year end estimate for amount of water sold

is about 85 million gallons but for the 2017 fiscal year has reported over 16 million gallons of unaccountable water. It has taken time for the high usage summer months in 2017 and 2018 to help financially. This additional revenue was spent in 2017 on pumping facility improvements and upgrading two of our three wells. The third well had been temporary shutdown until funds were available this summer for its improvements. OCW did receive a loan a few years back for other infrastructure improvements which has a balance of \$342,000 that will be paid off over the next 18 years.

Although we are located in Sedona, one of the more affluent areas of Arizona, OCW customer base in the low to moderate income bracket. With most of the subdivisions and development occurring in the 1970's. A Census block of data mirroring our service area shows a median household income of \$38,182 . The peach colored area on Figure 1 shows the Low to Moderate Income (LMI) area with the black boarder representing OCW service area. Most of the homes in our service area were built prior to Sedona becoming a city in 1988 and are currently occupied by residents on social security, on pensions or renters (\$886/month) working at minimum wage tourism jobs. The majority of OCW customers have experienced a 40% increase in their water bills due to the 2017 rate increase. Any funding received will assist in reducing our annual costs of our 5 year capital improvement plan and reduce the amount of another anticipated rate increase in the foreseen future.

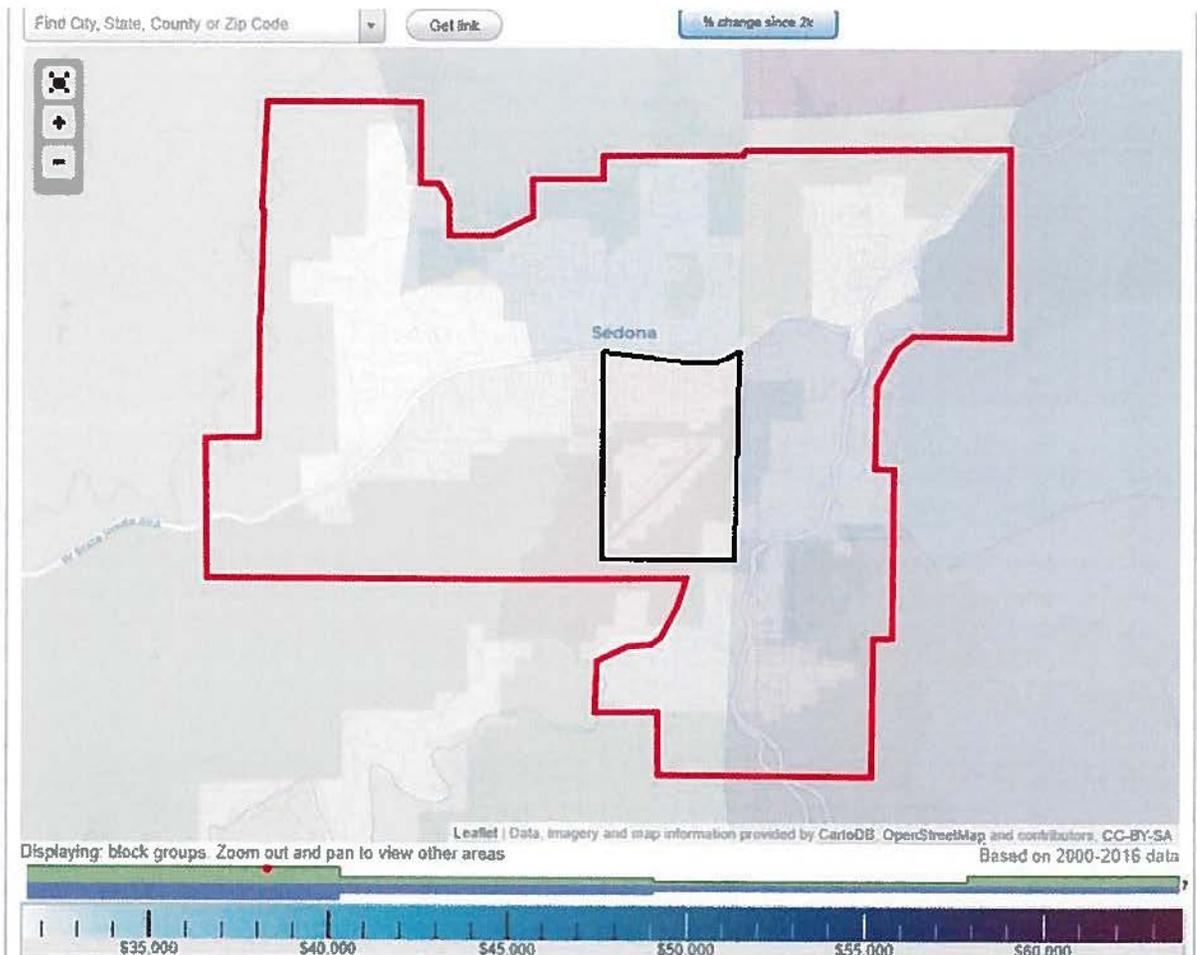


Figure 1

Technical Project Description

The Meter Upgrade/Replacement project will be replacing 348 inaccurate low flow registering analog meters with Badger electronic smart e-meters to address potential water loss caused by customer low flow leaks (toilet tanks running, dripping faucets, defective swamp cooler float valves, etc) that are not being captured. We are anticipating to reduce our water losses for our system from an average of 15% to below 10% to come into compliance with the Arizona Corporation Commission, our regulating agency. We are also anticipating increase our revenue by 15 to 20% with these new flow meters by capturing the low flow usage. The proposed project will replace 348 of the oldest meters and meters that have spun over 1.5 million gallons, way past accurate useful life. OCW will then proceed over the next three to five years to replace the remaining meters. Increased revenue will come from more accurate meters and by saving time and money by eliminating having someone manual walking street by street reading meters with automotive drive by readings.

The list below shows a breakdown of how the technical work will be carried out. The meter replacement program follows the OCW 5-year Capital Improvement Plan. Meters for this project will be ordered through two separate purchase orders dividing the financial obligation into two calendar years. The meter supplier has a two to four week lead time so the task table shows delivery between three and four weeks after ordering. The timing for software and the new meter technology training is based on the proposal supplied by meter installation services.

- Task 1: Authorize the service contract with Overlay to clean out meter pits
- Task 2: Clean out meter pits by Overlay
- Task 3: Sign Meter & Transmitter quote with National Meter and Automation
- Task 4: Authorization Az Best Plumbing for curb stop and meter installation
- Task 5: Delivery of 50% of the meters utilizing 2018 available funds
- Task 6: Training meeting with Metering Services
- Task 7: Installation of 50% of the meters
- Task 8 : Delivery of 50% of the meters utilizing 2019 available funds
- Task 9: Installation of 50% of the meters
- Task 10: Quality Control
- Task 11: Project Closure

Evaluation Criteria

Evaluation Criteria A – Project Benefits

The expected benefits and outcomes of implementing this proposed project are as follows. It will directly impact and create decreased water use by identifying and abating unnecessary water leaks and customer over use. Lower water usage loss caused by customer low flow leaks (toilet tanks running, dripping faucets, defective swamp cooler float valves, etc) that are not being captured will not be accounted for. OCW is required under its regulating agency, Arizona Corporation Commission, to have water losses under 10%. Last year, OCW water loss averaged about 15% a month. This project should help bring us back into compliance.

The water supply delivery system will benefit from this project. Less leaks and decreased water use will result in OWC's need to produce less water from source aquifers thereby saving ground water and also conserving energy from pump usage. Reducing pump usage will prolong the life expectancy of the pumps and reduce electric billings. It will also allow the aquifer to recharge better to decreased overall usage to the system.

The project will improve overall water supply reliability. Reduction in usage of the groundwater aquifer will allow for increased natural recharge potential sooner and improve the overall groundwater sustainability,

reliability and longevity. Possible improved water quality due to the deepening of the groundwater basin and allowing more time for natural filtration to occur. Equipment reliability will increase with an extended life with less wear and tear on them due to a reduction in usage.

Positive impact from the project would be for both the local and neighboring groundwater basin. OCW draws water from the same aquifer with boarding neighboring water systems including Arizona Water Company, Big Park Water Company, and numerous home owners associations and private wells. This projects benefits could spread to these other water purveyors and potentially gain similar benefits.

The information gained from this project will be shared. A cost analysis will be made between our current costs of hiring a meter reading service to manually walk the streets to OCW utilizing the new manual drive by technology. Also, average revenue comparisons will be completed between the annual new meter revenue readings with the old meters revenue readings from the previous year. The results would be shared with all residential and commercial metered users in our annual meeting notification. The overall results will also be shared with the Rural Water Infrastructure Committee (RWIC) grant/loan program coordinators from whom we received Reclamation's contact information to begin with.

This project will have positive impact and benefits to the local sector and economies. With a large portion of our service area falling under a lower income bracket, outside funding sources delays the need for a rate increase and reduces the amount of funding needed to complete our capital improvement projects. Sedona is a recreational tourism town with a strong environment and conservational mindset. We supply water to local inns, diners, tour guide shops, etc. This project will promote modern technology, water conservation and help reduce the aquifer draw down. Tourism businesses can use this as part of their ecological promotion plans.

Evaluation Criteria B – Planning Efforts Supporting the Project

The proposed project is supported by the Capital Improvement Plan (Table 1) established and utilized by OCW. A larger version of this has been attached at the end of this application. This proposed project will expedite the required time to replace the inefficient meters thus increasing revenue for replacing even more meters. The expectation would be to replace all the meters in three years instead of five years. The meter replacement project has been set as a priority for a couple reasons. First it will generate more income by capturing low water flow usage that the current meters are not reading. Second, it will help us get back into compliance by reducing our accountable annual water loss below 10% as mandated by the Arizona Corporation Commission.

FIVE - YEAR PLAN, prepared for 2018 Budget

Date: 5/22/2018

Project Name/Description	Fund Source	Phase (1=Design 2=Construct 3=Plan)	Status (A) Active (C) Complete (P) Pending	Total Cost	Two Year Effort		Five Year Plan					
					2017	2018	2019	2020	2021 Planned	2022	2023	
Airport Booster Pump Replacement (West)	OCWC	F	C	\$9,500	\$4,500			\$5,000				
Main water leaks	OCWC	F	C	\$6,000	\$6,000							
Well 3 Pump Repair/Maintenance	OCWC	F	C	\$44,500	\$19,500						\$25,000	
Air Pressure System for Pressure Tanks	OCWC	F	C	\$3,000	\$3,000							
Airport Booster Pump Replacement (East)	OCWC	F	P	\$9,500	\$4,500					\$5,000		
Well 4 Security Fencing	OCWC	C	A	\$7,000		\$7,000						
Well 2 Valve and Pump Improvements	OCWC	D	P	\$57,000		\$27,000						\$30,000
Well 4 Scheduled Maintenance	OCWC	D	P	\$35,000			\$35,000					
Site Security Upgrade	OCWC	C	A	\$3,000		\$3,000						
Valve Repairs	OCWC	C	A	\$13,500	\$3,500	\$10,000						
Panorama Booster Pump Replacements		D	P	\$25,000				\$10,000	\$15,000			
Water Tank Maintenance (Clean & Paint)		D	P	\$25,000			\$15,000	\$10,000				
Office Building Maintenance/Security	OCWC	F	C	\$1,000		\$1,000						
				\$0								
Meter Replacement, QTY 760		C	A	\$483,000	\$33,000	\$110,000	\$60,000	\$80,000	\$100,000	\$100,000	\$100,000	
Hydrant Replace QTY 6		C	A	\$40,000	\$6,000		\$15,000	\$10,000	\$10,000	\$10,000		
Hydrant Overhaul QTY 12		D	P	\$50,000			\$10,000	\$15,000	\$15,000	\$15,000	\$10,000	
Hydrant Maintenance QTY 25		D	P	\$50,000		\$5,000	\$10,000	\$15,000	\$10,000	\$10,000	\$10,000	
Residential Valve Replace or Repair QTY 40/145				\$195,000	\$5,000	\$20,000	\$30,000	\$50,000	\$50,000	\$50,000	\$50,000	\$20,000
Commercial Valve Replace or Repair QTY 25/75				\$120,000				\$35,000	\$40,000	\$25,000	\$20,000	\$20,000
Various Mains Leaks/Replacements	OCWC	C	A	\$152,000	\$12,000	\$15,000	\$20,000	\$20,000	\$25,000	\$30,000	\$30,000	
Well 5 Feasibility Study (Old Pump House)				\$10,000				\$10,000				
Update System Master Plan				\$50,000			\$50,000					
				\$1,230,000	\$53,000	\$106,000	\$205,000	\$285,000	\$255,000	\$265,000	\$220,000	

Table 1

Evaluation Criteria C – Project Implementation

Table 2 below is the implementation plan for the proposed project. Meter replacement would begin November, 2018 and completed by March, 2020. Future phases of the project will be broken up based on funds available. The sooner completed, the sooner OCW will reduce its annual water loss and thus be in compliance with the Arizona Corporation Commission.

Milestone/Task Activity	Planned Start Date	Planned Completion Date
Task 1: Authorize the service contract with Overley to clean out meter pits	November 1, 2018	November 15, 2018
Task 2: Clean out Meter Pits by Overley	November 15, 2018	December 31, 2018
Task 3: Sign Meter & Badger Ranger handheld PC w/Transmitter Quote with National Meter and Automation, Inc. Order Divided in 2	December 15, 2018	December 31, 2018
Task 4: Authorization of Service Contract with Az Best Plumbing for Curb Stop installation and Meter installations	January 2, 2019	January 15, 2019
Task 5: Delivery of 50% of the Meters along with the P.C. & Transmitter	January 2, 2019	January 15, 2019
Task 6: Kickoff and Training Meeting with Metering Services, Inc.	February 1, 2019	February 15, 2019
Task 7: Installation of first batch of meters	February 15, 2019	May 31, 2019
Task 8: Delivery of 50% of the Meters	April 1, 2019	April 15, 2019
Task 9: Installation of second batch of meters	June 1, 2019	August 31, 2019
Task 10: Quality Control	September 1, 2019	February 28, 2020
Task 11: Project Closure	March 1, 2020	March 31, 2020

Table 2

There are no permits required for this project.

No Engineering or design work is required as this a direct replacement of existing meters and current standards and specifications are ready developed. No new policies or administrative actions are required.

The environmental compliance estimated was developed by contacting Jessica Asbill-Case and receiving the estimate from Dominic Graziani. Both are from the Phoenix office of the Bureau of Reclamation.

Evaluation Criteria D – Nexus to Reclamation

This project addresses OCW’s relationship with Reclamation projects. What OCW does will affect the Verde River, a tributary to the Salt River, which is a Reclamation project. If OCW would run out of water it would need the rights of the Verde River which OCW currently does not have.

Evaluation Criteria E – Department of the Interior

Department of the Interior Priority Number 5, Modernizing our Infrastructure will be addressed. Both item 5a (Support the White House Public/Private Partnership Initiative to modernize U.S. infrastructure) and item 5c.3 (Deferred maintenance) will be the focus. This project will initiate modernization of our infrastructure and reduce the deferred maintenance that OCW has had to do to lack of funds. This new technology will reduce leakage and accurately read customers low flow usage that is currently unaccounted for, resulting in increased revenue that would be applied to other deferred maintenance in our capital improvement plan including hydrant and valve exercising and rehabilitation along with replacing frequently breaking water mains.

Project Budget

Funding Plan/Letters of Commitment

The non-Reclamation share of the project cost of the project will come from OCW. See Table 3. The 5-Year Capital Improvement Plan has set aside funds each year for the next 5 years to cover meter replacement. This grant will let OCW expedite its five year plan and replace inefficient meters sooner instead of them being delayed a couple extra years.

Funding Sources	Funding Amount
Non Federal Entities	
OCW Capital Improvement Funds	\$ 74,507.89
Other Federal Entities	
None	\$ -
Requested Reclamation Funding:	\$ 74,500.00
Total Project Funding	\$ 149,007.89

Table 3

- OCW contribution will be a cash contribution.
- There are no in-kind costs that are anticipated to be incurred prior to the start date.
- There are no funding partners involved in this project.
- There are no Federal funding partners involved in this project
- There are no pending funding requests that have not been approved or requested.

Budget

Table 4 showing the budget for this project. The budget narrative following describing each line item in detail.

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST
	\$/Unit	Quantity		
Salaries and Wages				
N/A				
Fringe Benefits				
N/A				
Travel				
N/A				
Equipment				
N/A				
Supplies and Materials				
M35 3/4" E-Meter w/Orion Transmitter	\$ 238.84	261	Meter	\$ 62,337.24
M55 1" E-Meter w/Orion Transmitter	\$ 267.29	9	Meter	\$ 2,405.61
M120 1-1/2" E-Meter w/Orion Transmitter	\$ 554.97	0	Meter	\$ -
M170 2" E-Meter w/Orion Transmitter	\$ 720.05	0	Meter	\$ -
3/4" Orion Transmitter	\$ 144.88	78	Transmitter	\$ 11,300.64
3/4" Curb Stop	\$ 50.00	339	Curb Stop	\$ 16,950.00
1" Curb Stop	\$ 160.00	9	Curb Stop	\$ 1,440.00
1 1/2" Curb Stop	\$ 180.00	0	Curb Stop	\$ -
2" Curb Stop	\$ 200.00	0	Curb Stop	\$ -
				\$ -
Contractual/Construction				
National Meter: Transmitter, Software, Training	\$ 15,534.40	1	L.S.	\$ 15,534.40
Overlay: Meter Pit Cleaning	\$ 30.00	348	Meter Box	\$ 10,440.00
AZ Plumbing: Meter and Curb Stop Installation	\$ 75.00	348	Meter	\$ 26,100.00
AZ Plumbing: Meter and Curb Stop Installation 1.5"	\$ 1,000.00	0		\$ -
AZ Plumbing: Meter and Curb Stop Installation 2"	\$ 1,500.00	0	Meter	\$ -
Environmental and Regulatory	\$ 2,500.00	1		\$ 2,500.00
Other	N/A			
TOTAL DIRECT COSTS				
Indirect Costs	N/A			
TOTAL ESTIMATED PROJECT COSTS				\$ 149,007.89

Table 4

Budget Narrative

Salaries and Wages: All salaries and wages are of OCW and will not be included in the budget and not part of the required match. All other labor costs are either within the equipment supplier contractor, the meter pit cleaning contractor costs and the plumbing contractor installing the curb stops and meters. Points of contact for this project will be as follows. Doug Bowen will be the project manager overseeing the project. Responsibilities will include overseeing the project, correspondence with the funding agency, weekly updating visits with the contractor in the field and daily correspondence with the water operator and office manager. Jim Reider, water operator will have hands on dealings with the meter installer. He will make sure each vaults are clean, residents have been noticed and oversee progress of the contractor. Kristin Wakeman, the office manager will prepare notices to the customers, analyze incoming meter readings, pay invoices. All three of the above will participate in the kickoff meeting and contractor trainings.

Fringe Benefits: N/A

Travel: There is no travel expenses planned for this project.

Equipment: There is no equipment anticipated for this project.

Material and Supplies: These are line itemized in the budget above. There will be a Badger Ranger 3 handheld PC with transmitter, receiver ORS and Beacon as supplied by National Meter and Automation, Inc. Included in the lump sum price is AMA training, data exchange and mobile data sync training/installation. Orion Field Application and two days onsite training included. There ¾" and 1" Badger e-meters and same sized Orion CE DP supplied by National Meter and Automation, Inc. These meters will be purchased in two phases to split the financial costs between two OCW fiscal years.

Contractual: A service contract will be in place with Metering Services, Inc. for the meters and training. A service contract will be in place with Overlays for cleaning out of the meter boxes required before replacement can begin. There is a set unit price per meter box. A service contract will be in place with Az Best Plumbing for installing curb stops and the meters. The contract is a set unit price per meter size as follows: ¾" and 1" meter replacement with ERT installation. The contract also has a set unit price for only ERT installation as follows: ¾" and 1" ERT.

Environmental and Regulatory Costs: Environmental Compliance fees.

Other Expenses: There are none anticipated for this project.

Indirect Expenses: There are none anticipated for this project.

Environmental and Cultural Resources Compliance

•The proposed demonstration project will not impact the surrounding environment. Existing meters will be removed from their meter boxes and replaced with modern newer technology meters. No earth disturbing work is required. If anything this will improve the surrounding environment by eliminating leaking water meters.

•OCW is not 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. Again, nothing in the surrounding environment will be disturbed.

- There are no wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as “Waters of the United States.” Again, nothing in the surrounding environment will be disturbed.
- The water delivery system was established in 1953, with expansion to the water system over the past 60 years, mostly during the 1970’s and 1980’s.
- The proposed project should not result in any modifications of or effects to individual features of an irrigation system. There is no construction for this project.
- There are no known archeological sites located within the project area.
- The proposed project will not have a disproportionately high and adverse effect on low income or minority population. Grant funding will actually be of benefit and help reduce the costs for a rate increase.
- The proposed project limit will limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands.
- The proposed project will not contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area.

Required Permits or Approval

There are no known permits or approvals needed for this meter replacement program.

Official Resolution

Resolution No. 2018-1

AUTHORIZING APPLICATION for a WaterSMART Grant: Small-Scale Water Efficiency Projects for Fiscal Year 2018 from the U.S. Department of Interior Bureau of Reclamation.

WHEREAS, more accurate water meters are needed at each of the public system residential homes and commercial businesses where most current meters are more than 15 years old, inefficient, inaccurate and in need of replacement.

WHEREAS, it is in the best interest of the members of the Oak Creek Water Company in Sedona, Arizona to expedite the preparation and submission of an application for financial assistance from the U.S. Department of Interior Bureau of Reclamation, in the form of a WaterSMART Grant: Small Scale Water Efficiency Projects for Fiscal Year 2018 and the execution of documents and contracts if the assistance is awarded; and

Now, THEREFORE, BE IT RESOLVED by the Board of Directors of the Oak Creek Water Company that the President is hereby authorized and directed to sign an application and related documents necessary to file and process an application with the U.S. Department of Interior Bureau of Reclamation on behalf of the Oak Creek Water Company.

PASSED, APPROVED AND ADOPTED by the Board of Directors of the Oak Creek Water Company authority this 24th day of July, 2018.

ATTEST:

Authority


Creed Osler, Secretary

Oak Creek Water Company


Douglas L. Bowen, President

APPENDIX

ADDITIONAL DOCUMENTATION

FORM SF-424

FORM SF-424A

FORM SF-424B

FORM SF-LLL (N/A)

OCW Capital Improvement Plan

Meter Replacement – Street Breakdown

Vendor Service Contract Quotes

Oak Creek Water

FIVE - YEAR PLAN, prepared for 2018 Budget

Date: 5/22/2018

Project Name/Description	Fund Source	Phase (U) Design (L) Construct (F) Finish	Status (A) Active (C) Complete (P) Planning	Total Cost	Two Year Effort		Five Year Plan				
					2017	2018	2019	2020	2021 <i>Planned</i>	2022	2023
Airport Booster Pump Replacement (West)	OCWC	F	C	\$9,500	\$4,500			\$5,000			
Main water leaks	OCWC	F	C	\$6,000	\$6,000						
Well 3 Pump Repair/Maintenance	OCWC	F	C	\$44,500	\$19,500					\$25,000	
Air Pressure System for Pressure Tanks	OCWC	F	C	\$3,000	\$3,000						
Airport Booster Pump Replacement (East)	OCWC	F	P	\$9,500	\$4,500				\$5,000		
Well 4 Security Fencing	OCWC	C	A	\$7,000		\$7,000					
Well 2 Valve and Pump Improvements	OCWC	D	P	\$57,000		\$27,000					\$30,000
Well 4 Scheduled Maintenance	OCWC	D	P	\$35,000			\$35,000				
Site Security Upgrade	OCWC	C	A	\$3,000		\$3,000					
Valve Repairs	OCWC	C	A	\$13,500	\$3,500	\$10,000					
Panorama Booster Pump Replacements		D	P	\$25,000				\$10,000	\$15,000		
Water Tank Maintenance (Clean & Paint)		D	P	\$25,000			\$15,000	\$10,000			
Office Building Maintenance/Security	OCWC	F	C	\$1,000		\$1,000					
				\$0							
Meter Replacement, QTY 750		C	A	\$483,000		\$33,000	\$110,000	\$60,000	\$80,000	\$100,000	\$100,000
Hydrant Replace QTY 6		C	A	\$40,000		\$5,000		\$15,000	\$10,000	\$10,000	
Hydrant Overhaul QTY 12		D	P	\$50,000				\$10,000	\$15,000	\$15,000	\$10,000
Hydrant Maintenance QTY 25		D	P	\$50,000			\$5,000	\$10,000	\$15,000	\$10,000	\$10,000
Residential Valve Replace or Repair QTY 40/145				\$195,000		\$5,000	\$20,000	\$50,000	\$50,000	\$50,000	\$20,000
Commercial Valve Replace or Repair QTY 25/75				\$120,000				\$35,000	\$40,000	\$25,000	\$20,000
Various Mains Leaks/Replacements	OCWC	C	A	\$152,000	\$12,000	\$15,000	\$20,000	\$20,000	\$25,000	\$30,000	\$30,000
Well 5 Feasibility Study (Old Pump House)				\$10,000				\$10,000			
Update System Master Plan				\$50,000				\$50,000			
				\$1,230,000	\$53,000	\$106,000	\$205,000	\$285,000	\$255,000	\$265,000	\$220,000

OAK CREEK WATER

METER REPLACEMENT

1.11

Average meter usage

216,413

GEN INFO			METERS QTY				
RTE	STREET	TOTAL QTY MTRS	3/4 EMTR TOP	3/4 Meter Body	1"	1.5"	2"
1	BIRCH	45	9	34	2		0
1	WILLOW	34	6	28			
2	MINGUS	14	1	10	3		0
2	BRINS/SYCAMORE	17	2	15			
		0					
3	INSPIRATIONAL	42	8	34		0	
3	VIEW DRIVE	47	9	38			
3	OAK CREEK BLVD	43	17	26			
6	JUNE BUG X	4	0	4			
6	AIRPORT RD X	4	2	2			
6	SUNSET CIR	8	1	7			
6	ROCKRIDGE / FOREST C.	31	7	20	4	0	0
6	SADDLEROCK X	43	13	30			
6	VALLEY VIEW X	16	3	13			
Total		348	78	261	9	0	0

EXPENSE METER REPLACEMENT				
E MTR TOP ONLY	METER	1"	1.5" & 2"	TOTAL
\$2,698.92	\$13,390.56	\$1,064.58	\$0.00	\$17,154.06
\$1,799.28	\$11,027.52			\$12,826.80
\$0.00	\$0.00			
\$299.88	\$3,938.40	\$1,596.87	\$0.00	\$5,835.15
\$599.76	\$5,907.60			\$6,507.36
\$0.00	\$0.00			
\$2,399.04	\$13,390.56		\$0.00	\$15,789.60
\$2,698.92	\$14,965.92			\$17,664.84
\$5,097.96	\$10,239.84			\$15,337.80
\$0.00	\$0.00			
\$0.00	\$1,575.36			\$1,575.36
\$599.76	\$787.68			\$1,387.44
\$299.88	\$2,756.88			\$3,056.76
\$2,099.16	\$7,876.80	\$2,129.16	\$0.00	\$12,105.12
\$3,898.44	\$11,815.20			\$15,713.64
\$899.64	\$5,119.92			\$6,019.56
SUB TOTAL				\$130,973.49
SOFTWARE				\$15,534.40
G. TOTAL				\$146,507.89

7777 E. Paradise Lane, Ste 104
 Scottsdale, Arizona 85260
 Phone: 480-596-8600
 Fax: 480-596-8606

QUOTE NUMBER:

DATE: Monday, May 14, 2018

QUOTED BY: JB

BILL TO:

Oak Creek Water Company
 Attn: Kristin
 90 Oak Creek Boulevard
 Sedona AZ 86336

SHIP TO:

SAME

SALESPERSON	PAYMENT TERMS	SHIPPING METHOD	SHIPPING TERMS	Subject to Review After:
JB	Net 30 Days	Best Way	FOB Scottsdale, AZ	Friday, August 10, 2018

QTY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
500	E35 3/4" ultrasonic meter, s/s body with Orion CE DP transmitters.	\$ 238.84	\$ 119,420.00
1	E55 1" ultrasonic meter, s/s body, with Orion CE DP transmitter.	\$ 267.29	\$ 267.29
1	E120 1 1/2" ultrasonic with Orion CE DP transmitter.	\$ 554.97	\$ 554.97
1	E2 2" ultrasonic meter with Orion CE DP transmitter.	\$ 720.05	\$ 720.05
1	Badger Ranger 3 handheld PC with transmitter, receiver, ORS and Beacon s/w. Includes AMA training, Data Exchange and Mobile Data Sync training/installation. Orion Field Application and two days onsite training included.	\$ 15,534.40	\$ 15,534.40
	Annual Beacon License Fee (after 1st year) \$900.00		
	Annual Maintenance Fee for Ranger 3 (after 1st year) \$360.00		
	Pricing based on quoted quantities.		
	Taxes NOT included.		
	Installation NOT included.		

SUBTOTAL	\$ 136,496.71
SALES TAX	Add
FREIGHT	Add
TOTAL	\$ 136,496.71

Est. Lead Time: Allow 2 to 3 weeks ARO!

THANK YOU FOR YOUR BUSINESS!!

National Meter & Automation, Inc. Terms & Conditions

[CLICK HERE](#)



Az Best Plumbing, LLC

ESTIMATE	#1794
ESTIMATE DATE	May 12, 2018
SCHEDULED DATE	Sat May 12, 2018 10:00am
TOTAL	\$70.00

Oak Creek Water Company
 90 Oak Creek Blvd
 Sedona, AZ 86336

CONTACT US
 221 Canyon Wren Dr
 Sedona, AZ 86336

(928) 282-3404

(928) 282-7600
 Bryan@Azbest1.com

ESTIMATE

Services	qty	unit price	amount
Curb stop and water meter replacement***PER UNIT***	1.0	\$70.00	\$70.00

We hereby submit this proposal to provide all the necessary labor, and equipment to replace approximately 500-3/4" curb stops and water meters. Price is per unit.

QUOTE INCLUDES

1. Oak Creek Water company will provide all the materials including the curb stops and water meters for replacement.
 - 1.1 All meter boxes will be cleaned out and ready for replacement by others.
2. Curb stop and meter replacement will be completed at the same time to reduce overall labor cost.
3. Oak Creek water company will facilitate water shut off as needed for curb stop and meter replacement.
4. All existing piping is to be considered in good working order. Any additional work needed to repair broken or damaged piping will be billed at time and materials additional to this quote.
5. Any repairs needed on the customer side of the service line will be billed to the homeowner or responsible party.
6. All work will be pressure tested to insure no leaks exist.

****Warranty: Labor/Workmanship 1 Years. ****

All work shall be completed as per local building codes.

All material is guaranteed as specified.

All work is to be completed in a workmanlike manner according to standard practices.

Any alteration or deviation from the above specifications involving additional cost will be done upon a written change order.

These cost will become an extra charge over and beyond this estimate. Labor rate \$75/hr

Total \$70.00

PAYMENT. Payment is due on the day of service unless otherwise noted within the proposal or invoice. Payments not received in full on the day of service are subject to a late fee. I hereby acknowledge and I have read and received the terms and conditions of this contract.



18616 S. Lindsay Rd.
Gilbert, AZ 85297
(480) 821-5455

May 10, 2018

Jim Reides
Oak Creek Water Co
90 Oak Creek Sedona, Az 86336
jreider@oakcreekwater.com
(234) 806-7588

Job Name: Hydro-Excavation (500 holes 8 inches deep)

Thank you for the opportunity to submit an estimate and proposal for the below described project. We propose to furnish all labor, equipment and material to complete the below project. Any changes in scope, will be priced accordingly using the attached price sheet.

Scope of Work:

Overley's will utilize A Super-Vac to Hydro-excavate 500 Holes 8 inches deep.
Customer will provide dump location

The estimated cost of the scope of work is: **\$ 13,577.00**

Prices are firm through: June 9, 2018
After that date, the prices are subject to equipment and/or labor increases.

Exclusions:

Kyle Eichelkraut
Project Manager
(480) 821-5455 office
(480) 869-0859 cell

This is [redacted]

OVERLEY'S

Line Items

Cost 1 Hydro Excavation 500 Holes 8 inch deep

Item	Description	Qty	Unit	Unit Price	Total
1	Operator	56	hrs	\$ 40.00	\$2,240.00
2	Field Tech	56	hrs	\$ 33.00	\$1,848.00
3	1 Super Vac	56	hrs	\$ 134.00	\$7,504.00
4	1 support Truck	5	days	\$ 97.00	\$485.00
5	Per Diem	10	for 2 guys	\$ 150.00	\$1,500.00

TOTAL THIS PROPOSAL \$13,577.00



Terms and Conditions

SAFETY

It is the responsibility of the customer to advise Overley's of any materials or conditions in or around the vessels or work area that might constitute a hazard to personnel or equipment. This responsibility includes providing MSDS information on a timely basis.

Unless otherwise stated in the quote, the customer is to provide all necessary utilities, sanitary and wash facilities, inert gas and approved eating and break areas. This is not to be construed to mean that special buildings are required.

FUEL

Fuel is included in the equipment cost. Equipment prices may fluctuate with fuel prices.

DELAYS

Delays not attributable to Overley's and/or changes in job scope are charged at the quoted rates.

DECONTAMINATION

Due to State and Federal requirements, our equipment must be de-contaminated after each use. This may be performed at the customer location or an off-site facility. If performed on-site, the charges will be per our time and material rate. If we must go off-site, washout fees will be added in addition to our time and material rate.

PORTAL TO PORTAL

All charges are portal-to-portal, unless otherwise stated.

MINIMUM CHARGES

There is a four (4) hour minimum charge applicable on all personnel and equipment. Liquid Disposal minimum is 1000 gallons

LABOR RATES AND POLICIES

Time and a half is charge after twelve (12) hours Monday - Saturday and for all hours on Sundays and on holidays.

Overley's observed holidays are New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving, and Christmas Day.

Labor rates include the following personal protective equipment: Hard Hat, Safety Glasses, Steel toed Boots, and Basic Hearing Protection (ear plugs). No other

PER DIEM

Per diem considerations shall apply for those employees who must travel greater than sixty (60) miles in order to reach the job site and/or for employees operating DOT equipment that have reached their legal limit of hours worked. Per Diem is paid, per eligible employee, at the established rates from the start of the project until the end of project, seven days per week including non-scheduled work days, rain outs, weekends and/or holidays. Per Diem will be charged at a rate of \$110.00 per day per man.

EQUIPMENT RATES AND POLICIES

Air Movers: Highly abrasive, corrosive, or contaminated material which causes rapid or excessive wear or deterioration of hose, pipe and filter bags will result in additional charges (for replacement) at Overley's rates. Equipment rates do not include labor, unless specifically stated otherwise.

TERMS AND CONDITIONS OF CONTRACT

The CONTRACT, ATTACHMENTS, and TERMS AND CONDITIONS constitute the entire agreement between Overley's and the CLIENT. No other conditions, warranties, guarantees, scopes of work, payment terms or arrangements apply. Overley's shall not be responsible for delays resulting from change orders, labor disputes, fire, delivery, adverse weather conditions, acts of the government, or acts of God beyond the direct control of Overley's. Delays or losses affecting Overley's, which are in whole or in part the result of actions taken by the CLIENT, its subcontractors or representatives, shall be the sole responsibility of the CLIENT. Overley's, at its discretion, may seek relief and/or restitution from the CLIENT.

REGULATORY COMPLIANCE

Overley's shall comply with all applicable federal, state, regional, county and local statutes, rules, and regulations relating to worker health and safety and environmental protection, in effect at the time of bid. Specifically, Overley's shall comply with all applicable sections of 40CFR, 29CFR and 49CFR or state, regional, county or local regulations, whichever is most stringent. Changes in statutes, rules and regulation which take effect following the PROPOSAL date and prior to SUBSTANTIAL COMPLETION shall be considered a CHANGE ORDER which may affect the QUOTATION PRICE and/or the SCHEDULE. Application for site specific permits shall be the responsibility of the CLIENT unless otherwise defined in this PROPOSAL AND STANDARD CONTRACT.

PERFORMANCE OF WORK

Overley's shall supervise and perform the work in a craftsman like manner. Overley's shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work defined by the SCOPE OF WORK. Overley's shall provide all services, labor, materials, equipment and facilities defined in Overley's responsibility in the SCOPE OF WORK.

CHANGE ORDERS

The CLIENT, without invalidating the STANDARD CONTRACT, may request, in writing, additions or modifications to the SCOPE OF WORK authorized by written Change Order signed by the Client and Overley's. The cost to the CLIENT from a change in the Scope of Work shall be determined by Overley's and authorized through mutual agreement and by change order. The Contract Sum and Contract period shall be changed only by Change Order.

TAXES AND INSURANCE

Overley's shall pay FICA, FUTA and SUTA taxes as well as WORKMANS COMPENSATION INSURANCE for its employees. Overley's also provides VEHICLE INSURANCE in the amount of \$2,000,000.00 for its company vehicles and General Liability Insurance of \$1,000,000.00. No other taxes or insurance are included in the PROPOSAL AND STANDARD CONTRACT unless specified under the SCOPE OF WORK.

SUBCONTRACTS

Contracts between Overley's and Subcontractor(s) shall (1) require Subcontractor(s) to be bound to Overley's by the terms of the Contract, and to assume toward Overley's all the obligations and responsibilities which Overley's, by the Contract, assumes toward the Client, and (2) allow the Subcontractor(s) the benefit of all rights, remedies and redress afforded to Overley's by this Contract.

PAYMENT

All invoices shall be payable not later than thirty (30) days following receipt of invoice by the CLIENT. For projects requiring up through and over thirty (30) days for completion, the CLIENT may be invoiced on weekly basis. Payments due under the STANDARD CONTRACT and unpaid for over thirty (30) days from the date of the invoice shall bear interest from the date payment is due at the rate of one and one-half percent (1.5%) per month or the prevailing legal rate, which ever is less.