

Andreas Pipeline Water Meters & System Optimization



Applicant:

Agua Caliente Band of Cahuilla Indians

5401 Dinah Shore Drive

Palm Springs, California 92264

Project Manager: Dan Malcolm

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March 9, 2021

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Applicant: AGUA CALIENTE BAND OF CAHUILLA INDIANS (Category A)
Project Title: Andreas Pipeline Water Meters & System Optimization
Federal funds requested: \$50,000
Project contact's name: Dan Malcolm
Project contact's title: Director of Planning
Project contact's phone number: 760-883-1945
Project contact's e-mail address: dmalcolm@aguacaliente-nsn.gov

I. Technical Proposal and Evaluation Criteria

A. EXECUTIVE SUMMARY

Due to increasing pressure from drought conditions and the continuous strain on water resources in Southern California, the Agua Caliente Band of Cahuilla Indians (the "Tribe") is submitting this grant application for the proposed project entitled "*Andreas Pipeline Water Meters & System Optimization*" (the "Project") in response to the United States Bureau of Reclamation's (BOR) WaterSMART Grants: Small-Scale Water Efficiency Projects Notice of Funding Opportunity No. R21AS00300. The focus of this Project aims to improve the Tribe's water use efficiency of Andreas Creek on the Agua Caliente Indian Reservation (the "Reservation"), in Riverside County, California. This Project meets the criteria set forth in Section C.3.2 Eligible Projects—Municipal Metering and Efficient Irrigation Measures—by: 1) installing meters to quantify the amount of water delivered from the Andreas Pipeline (non-Federal facility) to end users; and 2) increase efficient irrigation measures by replacing an existing electric pump powered service line with a new pressurized, gravity fed line, decreasing the dependency on and cost of electricity for the Tribe. The Tribe estimates that the Project will be completed within six months after initiating the design phase of the Project, at a total estimated Project cost of \$100,000.00. The total federal award funds requested is \$50,000 and the total Tribal match contribution is 50 percent of total Project costs. Funds from BOR to implement this Project will help meet mutual Federal, Tribal, and state goals of making more efficient use of current and future water supplies received from Andreas Creek.

B. PROJECT LOCATION

The Project is located in Section 2, Township 5 South, Range 4 East, of the San Bernardino Base and Meridian, Riverside County, California, and within the Agua Caliente Indian Reservation.

C. PROJECT DESCRIPTION AND MILESTONES

The Andreas Pipeline (see Figure 1) was originally constructed back in the late 1800's using steel piping at or near the surface to deliver Andreas Creek water to portions of the Reservation for agricultural use. By the early 1900's the steel line

had deteriorated to the point that it needed to be replaced with a new poured in place concrete line. In 1998, the uppermost portion of the Pipeline was realigned and replaced with PVC pipe, and in 2011 the section downstream of Manhole 1 was also realigned and replaced with PVC pipe due to continual breaks/leaks in the system because of the age of the Pipeline and its shallow depth in that area. Then in 2019, the remaining upstream section of the Pipeline was realigned and replaced with ductile iron pipe. After this upgrade, the upstream section of the system became pressurized allowing for the replacement of the electric pump powered water service line to the Indian Canyons Toll Booth with a pressurized, gravity fed line.

The new realigned and upgraded Pipeline is now capable of delivering up to 4.5 cubic feet per second (cfs), which is near the Tribe's full water right and well above the seasonal flows from Andreas Creek. Water from the Pipeline is delivered to a Tribal nursery, a ranch property for irrigation, horse corrals, and the Toll Booth (irrigation/non-potable use) to the Indian Canyons. The proposed Project would install five (5) meters to measure the amount of water delivered by the Pipeline to these end users, and replace the electric pump powered service lateral to the Toll Booth with a pressurized, gravity fed line.

D. EVALUATION CRITERIA

1. Evaluation Criterion A—Project Benefits

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

The proposed Project would provide quantitative water usage data from the Andreas Pipeline to the Tribe, allowing for better management of Tribal water resources for current and future use by the Tribe. The Project would also reduce electricity consumption—and thereby greenhouse gas emissions—by eliminating the electric pump that is currently used to deliver water to the Toll Booth.

2. Evaluation Criterion B—Planning Efforts Supporting the Project

Describe how your project is supported by an existing planning effort.

The proposed Project is the final component in a decade long planning effort to improve water delivery from the Andreas Pipeline. In 2012, after completing the downstream improvements to the Pipeline, the Tribe hired MSA Consulting to prepare a Feasibility Report that evaluated the remaining older upstream section, and made recommendations for upgrades to be implemented as funding became available. As covered in the Project Description, the upstream section was realigned and upgraded with ductile iron pipe to maximize the delivery capability of the entire Pipeline system. After the completion of the upstream section, the

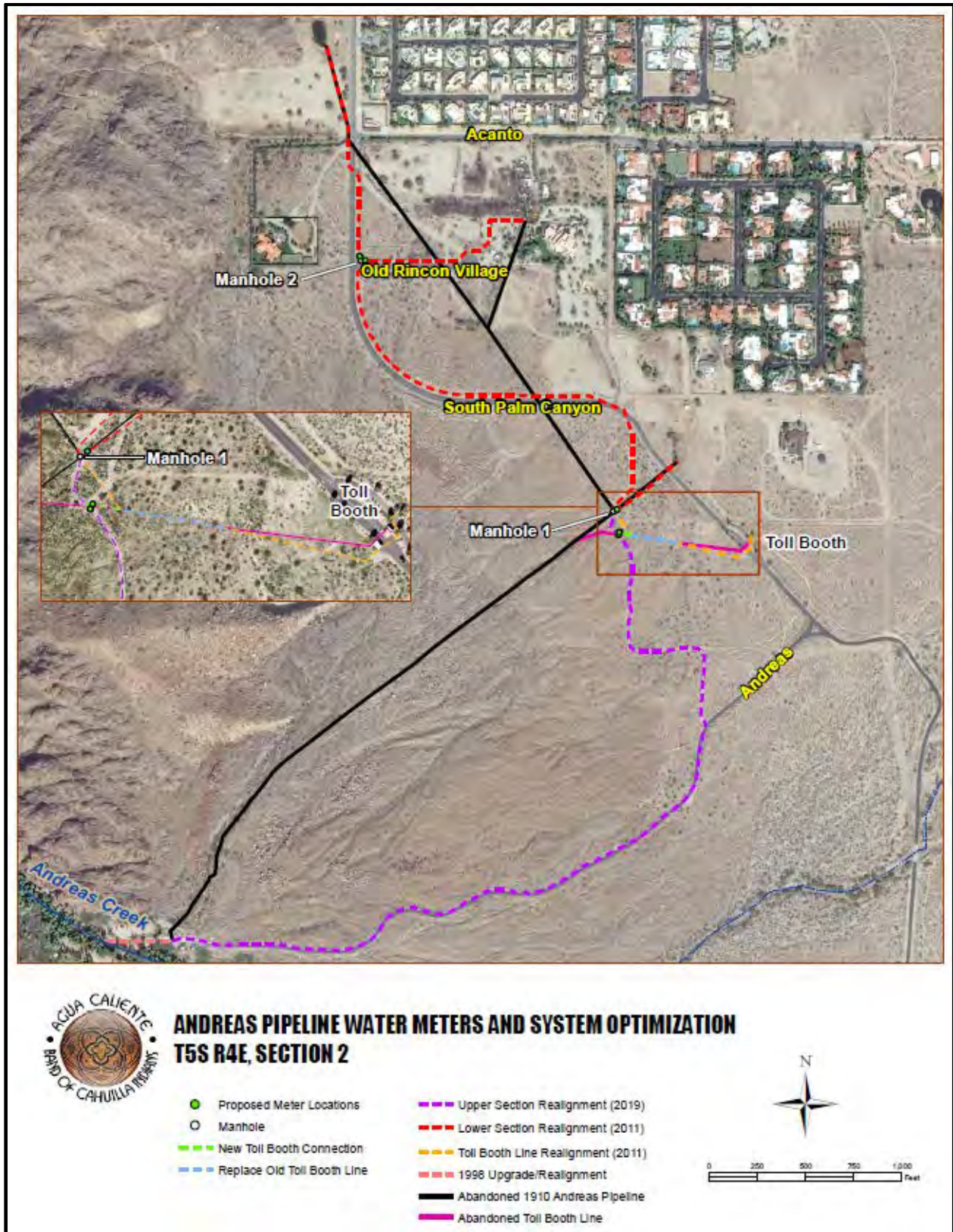


Figure 1. Andreas Pipeline System

Tribe hired Water System Consulting to conduct a third party review of the entire Andreas Pipeline system and make targeted recommendations for improvements. The meters and pressurized, gravity fed service line to the Indian Canyons Toll Booth proposed under this Project were identified as part of that review.

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

The addition of the water meters and the pressurized, gravity fed service line to the Indian Canyons Toll Booth are the last targeted recommendations for improvements to be implemented through the decade long planning effort described above.

3. Evaluation Criterion C—Project Implementation

Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.

The implementation plan with dates and milestones for the Andreas Pipeline Water Meters & Optimization Project is shown in Table 1. The estimated project start date is November 2021, with the design phase lasting until January 2022. Construction of the new service lateral to the Indian Canyons Toll Booth would start in February 2022 and is expected to be completed by March 2022 with the abandonment and removal of the old pump system. The five (5) water meters will be purchased in March 2022 and installed during the month of April 2022.

Table 1. Milestones

Milestone/Task/Activity	Planned Start Date	Planned Completion Date
Design new service lateral to Toll Booth	November 2021	January 2022
Install new service lateral to Toll Booth	February 2022	March 2022
Install five (5) Water Meters	March 2022	April 2022

Describe any permits that will be required, along with the process for obtaining such permits.

The upgrade from the existing electric pump powered line to a new pressurized, gravity fed line will require a building permit. This building permit will be issued by the Tribal Building Department upon request. No other permits are necessary for the implementation of this Project.

Identify and describe any engineering or design work performed specifically in support of the proposed project.

The Andreas Pipeline has undergone various improvement projects to increase capacity and efficiency of the pipeline system (1998, 2011, and 2019). After the 2011 upgrades and realignment of the downstream sections of the pipeline, the Tribe contracted Water Systems Consulting (“WSC”) to conduct a review of the entire Andreas Pipeline system. WSC used the Bentley Systems, Inc. SewerGEMS modeling software to make targeted recommendations for improvements to increase system capacity. The findings of this review resulted in the following recommendations: 1) the installation of a new pressurized service lateral to the Indian Canyons Toll Booth to increase efficiency of that connection and reduce energy consumption; and 2) to provide for accurate metering of system flows and end user water consumption, WSC recommended a Mace FloPro SCi remote telemetry system, as well as two types of sensors (Doppler Ultrasonic Insert Velocity Sensor, and EchoFlo Ultrasonic Depth Sensor), to accurately measure partially full piping and full flow piping conditions within some of the installations.

Describe any new policies or administrative actions required to implement the project.

No new policies or administrative actions will be required to implement the Project.

Describe the timeline for completion of environmental and cultural resource compliance. Was the timeline for completion of environmental and cultural resource compliance discussed with the local Reclamation office?

It is anticipated that this Project would qualify for a Categorical Exclusion per Department of the Interior (DOI) Department Manual (DM) 16, Chapter 14, Section 14.5 C. *Project Implementation Activities*, (3) “[m]inor construction activities associated with authorized projects which correct unsatisfactory environmental conditions or which merely augment or supplement, or are enclosed within existing systems.” The Project proposes to install five (5) meters on an existing pipeline system and replace the existing electric pump powered service lateral to the Indian Canyons Toll Booth with a new pressurized, gravity fed connection.

4. Evaluation Criterion D—Nexus to Reclamation

Is the proposed project connected to a Reclamation project or activity? If so, how? Please consider the following:

- *Does the applicant receive Reclamation project water?*
- *Is the project on Reclamation project lands or involving Reclamation facilities?*
- *Is the project in the same basin as a Reclamation project or activity?*
- *Will the proposed work contribute water to a basin where a Reclamation project is located?*

The Project is not connected to a Reclamation project or activity.

5. Evaluation Criterion E—Department of the Interior and Bureau of Reclamation Priorities

Department of the Interior Priority 5: Modernizing our Infrastructure

The Andreas Pipeline Water Meters & System Optimization Project meets the Department of the Interiors priority five (5), by modernizing the Tribe’s existing water infrastructure. Over the last 10 years, the Tribe has worked to update and improve the Andreas Pipeline system, increasing delivery capacity and reliability to end users. The funding requested for this Project would complete the multi-year effort to modernize the Tribe’s Andreas Pipeline system with the installation of water meters and a pressurized, gravity fed service line to the Indian Canyons Toll Booth.

Bureau of Reclamation Priority 6: Improve Water Supplies for Tribal and Rural Communities

This Project meets the Bureau of Reclamation priority six (6), by improving the Tribes ability to efficiently manage its water resources, ensuring a sustainable and reliable water supply for current and future use by the Tribe.

II. Project Budget

A. FUNDING PLAN

The total cost of the Andreas Pipeline Water Meters & System Optimization Project is estimated at \$100,000. The Tribe will contribute \$50,000 which represents 50 percent of total Project costs, and is requesting the support of \$50,000 through the BOR WaterSMART Grants: Small-Scale Water Efficiency Projects program. The budget proposal does not include any Project costs that have been incurred prior to award.

B. BUDGET PROPOSAL

Table 1.—Total Project Cost Table

SOURCE	AMOUNT
Federal Cost-Share: Costs paid by requested Federal funds	\$50,000.00
Non-Federal Cost-Share: Costs paid by the applicant contribution	\$50,000.00
Value of third-party contributions	\$0.00
TOTAL PROJECT COST	\$100,000.00

Table 2.—Budget Proposal

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST
	\$/Unit	Quantity		
Supplies and Materials				
In-Situ	N/A	N/A	See Quote	\$21,500
Contractual/Construction				
Dudek	N/A	N	See Proposal	\$9,750
Construction Contractor	\$65,000	1 ea	Estimate	\$65,000
Other/Environmental and Regulatory Compliance Costs				
Preconstruction Biological Surveys	\$1,250	1 ea	Estimate	\$1,250
Tribal Cultural Monitors	\$50	40	Per Hour	\$2,000
Building Permit	\$500	1 ea	Estimate	\$500
TOTAL DIRECT COSTS				\$100,000
Indirect Costs				
N/A – No Indirect costs will be charged to the project.				
TOTAL ESTIMATED PROJECT COSTS				\$100,000

C. BUDGET NARRATIVE

Salaries and Wages

N/A

Fringe Benefits

N/A

Travel

N/A

Equipment

N/A

Materials and Supplies

A quote from In-Situ for the procurement of the five (5) water meters is included as Attachment 1.

Contractual

Indian Canyons Toll Booth Service Lateral Design

A cost proposal from Dudek, the engineering firm that designed the upstream portion of the Andreas Pipeline in 2019, to design the service lateral connection to the Indian Canyons Toll Booth is included as Attachment 2.

Construction Contract

The Tribe will hire an experienced contractor to install the water meters (procured separately), and the new service lateral to the Indian Canyons Toll Booth where the materials will be provided as part of the Construction Contract. The Construction Contract cost is estimated at \$65,000 and the Tribe will competitively bid this work.

Third Party In-Kind Contributions

N/A

Environmental and Regulatory Compliance Costs

Biological Preconstruction Surveys

The Tribe will hire a qualified biologist to conduct preconstruction surveys for Desert tortoise prior to any ground disturbing activities. The estimate for these surveys is \$1,250.

Approved Agua Caliente Native Cultural Monitors

Cultural Monitors will be present during any ground disturbing activities at a cost of \$50 per hour. A total of 40 hours has been allocated for Cultural Monitors.

Other Expenses

A building permit will be required for the new service lateral connection to the Indian Canyons Toll Booth at an estimated cost of \$500.

Indirect Costs

N/A

III. 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 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.

The Project involves the installation of five (5) water meters on an existing pipeline, and the replacement of an existing electric pump powered service lateral with a new pressurized, gravity fed line. The installation of the water meters will require soil excavation at the five locations to gain access to the pipeline to install the meters. The pipeline is at a general depth of 3' at all locations and the total earth disturbance at each meter location should be limited to 25 square feet. The installation of the pressurized, gravity fed service lateral to the Indian Canyons Toll Booth involves the replacement of up to 700' of existing line that is buried at a depth between 1' – 3'. All Project related earthwork will occur on previously disturbed areas within existing utility easements; no impact to animal habitat is anticipated.

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?

Desert tortoise (federally threatened) habitat is located within the Project area and vicinity; however, the Project footprint is relatively small and preconstruction surveys for Desert tortoise will be conducted by a qualified biologist prior to any ground disturbing activities. Therefore, no impact to Desert tortoise or its critical habitat is anticipated.

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

There are no wetlands or other surface waters inside the Project boundaries.

When was the water delivery system constructed?

The Andreas Creek water delivery system was constructed in the late 1800's with a steel line. By the early 1900's the steel line was upgraded to a poured in place concrete line. In 1998, the uppermost portion of the Pipeline was realigned and replaced with PVC pipe, and in 2011 the section downstream of Manhole 1 was also realigned and replaced with PVC pipe. In 2019, the remaining upstream section of the Pipeline was realigned and replaced with ductile iron pipe.

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

The proposed Project includes the replacement of an existing electric pump powered service lateral to the Indian Canyons Toll Booth with a new pressurized, gravity fed line. The Toll Booth service lateral was installed in 1960s and portions were upgraded in 2011 when the electrical pump system was installed.

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.

The Andreas Pipeline was upgraded and realigned in three phases occurring in 1998, 2011, and 2019. The proposed Project is installing water meters on the portions installed in 2011 and 2019, and replacing the Toll Booth service lateral that was installed in the 1960s and partially upgraded in 2019. The Project does not impact any portion of the original pipeline installed in the late 1800s/early 1900s, which was abandoned in place when the 2011 and 2019 upgraded and realigned portions were installed.

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

The Project is located within the Andreas Canyon Archeological District; however, the Project footprint is relatively small over areas that have been previously disturbed when the upgraded and realigned pipeline was installed in 2011 and 2019. Approved Agua Caliente Native American Cultural Resource Monitors will be present during all ground disturbing activities; therefore, no impacts to cultural resources are anticipated.

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

There are no low income or minority populations in the Project vicinity.

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

No, the proposed Project will not cause any impacts or limit access to sacred sites. The Andreas Pipeline is a Tribal facility located on Tribal Trust land of the Agua Caliente Indian Reservation.

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

The areas of disturbance associated with the Project are relatively small over areas that have been previously disturbed when the upgraded and realigned pipeline was installed in 2011 and 2019. The Project is located at the entrance to the Indian Canyons where three exotic plants (fountain grass [*Pennisetum setaceum*], umbrella flat sedge [*Cyperus* sp.], and tamarisk) are considered of primary concern because of their extremely invasive characteristics. The Tribe utilizes various measures to control this influx of exotics. Control techniques are largely physical, relying for the most part on pulling clumps of the plants by hand and frequently checking for renewed growth. This Project will not alter

the Tribe's ongoing efforts to control invasive species in the Indian Canyons, or contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area, or promote the introduction, growth, or expansion of the range of such species.

IV. Required Permits or Approvals

The Andreas Pipeline is a non-Federal facility. The upgrade from the existing electric pump powered line to a new gravity fed line will require a building permit. This building permit will be issued by the Tribal Building Department upon request. No other permits are necessary for the implementation of this project.

V. Official Resolution

Tribal Council Resolution No. 08-21 (see Attachment 3): 1) designates any elected officer of the Tribal Council as an authorized agent of the Tribe with authority to execute for or on behalf of the Tribe this application and other document necessary for the Tribe's receipt of funds from the DOI to carry out the grant purposes; 2) identifies the Tribal Council as reviewed and supports this application being submitted to the BOR; 3) and states the Tribe is capable of contributing, and will contribute, the required 50 percent cost share through cash contributions.

AACHMNT 1: IN-SITU QUOTE



In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Quote – Q-30276

Issued By: Janice Hiller
Date: January 11, 2021
Quote Valid for 30 days

Sales Manager	Customer ID	Payment Terms	Shipping Method	INCO Terms	Final Destination
Bill Mann	005533	Net 30	Fedex Ground		United States California

Quote To:
Aqua Caliente Band of Cahuilla Indians 5401 Dinah Shore Drive Palm Springs, California 92264 United States
Attn:
Justin Conley jconley@aguacaliente.net (760) 699-6866

Ship To:
Aqua Caliente Band of Cahuilla Indians 5401 Dinah Shore Drive Palm Springs, California 92264 United States
Comments:
Please allow 20 business days for us to build and ship your order. Taxes are not included and will be added to the invoice as applicable.

Equipment						
Line	Product Description	Part Number	Unit of Sale	Qty.	Unit Price	Total Price
1.	MACE FloSeries3 - FloPro XCi	850-366	Each	2	\$2,236.00	\$4,472.00
2.	Provides the input for connecting one MACE Doppler ultrasonic velocity sensors.	850-328	Each	4	\$629.00	\$2,516.00
3.	MACE EchoFlo 1.25m Ultrasonic Depth Sensor - Frequency Output w/o USB Fob	850-341	Each	2	\$629.00	\$1,258.00
4.	MACE FloSeries3 - Solar Panel (12V/10W)	814-015	Each	2	\$296.00	\$592.00
5.	MACE FloSeries3 - Mounting Kit - Device & Solar Panel (5W/10W)	850-302	Each	2	\$101.00	\$202.00
6.	MACE FloSeries3 - USB External Comms Lead	850-363	Each	1	\$190.00	\$190.00
7.	Supports seven sensor inputs and four control outputs including 4-20mA, voltage and digital.	850-329	Each	2	\$658.00	\$1,316.00
8.	Rugged Twist-Lock Cable, Non-Vented, TPU, No Reel, STRIPPED AND TINNED, None	0052000-05-01-11-00	30 ft	2	\$239.00	\$438.60
9.	MACE EchoFlo - USB Configuration Interface (FOB)	850-347	Each	1	\$103.00	\$103.00
10.	MACE EchoFlo Side Mount Bracket w/2inch x 1inch Reducer	850-352	Each	2	\$86.00	\$172.00
11.	2 inch Insert Velocity Sensor - 10m Cable - BSP - AgriFlo/FloPro Xci	850-009	Each	3	\$2,171.00	\$6,513.00
12.	2 inch Insert Velocity Sensor - 50m Cable - BSP - AgriFlo/FloPro XCi	850-128	Each	1	\$3,462.00	\$3,462.00
Subtotal:						\$21,234.60

Quote Total	
<p><i>Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.</i></p> <p><i>If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.</i></p> <p><i>Tax rates will be based on delivery address of the order.</i></p>	
Sales Tax:	\$0.00
<p>For further information regarding the Warranty or Terms and Conditions, please refer to our website at http://in-situ.com/terms-conditions/</p> <p>All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.</p>	
Shipping:	\$212.00

ATTACHMENT 1: IN-SITU QUOTE



In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Quote – Q-30276

Issued By: Janice Hiller
Date: January 11, 2021
Quote Valid for 30 days

Total Amount (Excludes Optional Items): USD \$21,446.60

Managing your data has never been this easy!

Our intuitive [VuSitu Mobile App](#) allows you to view data from the field on your smartphone or tablet. For long-term or remote sites, integrate In-Situ instruments with our [wireless telemetry systems](#) and cloud-based [HydroVu Data Services](#) for real-time, decision-quality data. Ask your sales rep for more information.



ATTACHMENT 2: DUDEK PROPOSAL

TASK ORDER REQUEST – ANDREAS WATER PIPELINE

The following scope of work items cover consulting services requested by Agua Caliente Band of Cahuilla Indians (ACBCI) for the preparation of improvement plans for appurtenances associated with the Andreas Canyon raw water pipeline conveyance system.

Task I: Construction Documents

Dudek previously prepared construction documents for the completion of a new pipeline to convey water from Andreas Canyon to an existing distribution manhole (MH #1) near the entry booth to Indian Canyons. ACBCI has requested that Dudek provide supplemental design services for the water system to include a connection from the improved pipeline, just upstream of MH#1, to provide non-potable water to the existing Toll Booth.

Dudek will prepare a set of construction plans for the following items:

- A service connection at a to be determined location upstream of MH #1. The service connection will include a 2" hot tap sleeve connection to the existing 12" DI pipe, a gate valve assembly, and a precast vault and lid structure for ease of access to a blind flange for future connection.
- A new 2" service lateral to connect the new to an existing 2" steel pipe servicing the Toll Booth
- Demolition and connection details for the removal of the existing booster pump system at the toll booth and connection the new pressurized service lateral to the existing reverse osmosis filtration system

In addition to the construction plans, Dudek will work with the Tribe to confirm the operational procedures for MH#1 ensure that the intended pressure of 50 psi is maintained at the Toll Booth, including hydraulic head calculations for the existing 12" system to the proposed service connection.

The improvements plans will be prepared in conformance with Tribal Standards, California Building Code (CBC), Plumbing Code, and the most current Standard Plans for Public Works Construction (GreenBook) document (as applicable.) General drawings will be prepared including typical coversheet, general notes, abbreviations and symbols, and general details.

Plans will be submitted for ACBCI review at the 90% and 100% completion phases. Deliverables for progress submittals will include up to three (3) full-size sets of progress prints (24" x 36".)

Any comments from progress submittals will be incorporated into the subsequent submittal and the final submittal will include one copy of signed mylars and a digitally signed PDF set.

Fee Estimate (service connection) = \$9,750



AGUA CALIENTE BAND OF CAHUILLA INDIANS
TRIBAL COUNCIL

JEFF L. GRUBBE CHAIRMAN • REID D. MILANOVICH VICE CHAIRMAN
VINCENT GONZALES III SECRETARY/TREASURER • ANTHONY W. PURNEL MEMBER • JESSICA NORTE MEMBER

RESOLUTION No. 08-21
WaterSMART Small-Scale Water Efficiency Grant Project

WHEREAS, the Agua Caliente Band of Cahuilla Indians (the “Tribe”) is a federally-recognized Indian tribe governing itself according to the Constitution and By-Laws of the Agua Caliente Band of Cahuilla Indians and exercising sovereign authority over the lands of the Agua Caliente Indian Reservation; and

WHEREAS, pursuant to paragraph (a) of Article V of its Constitution, the Tribal Council, among other things, has the authority to administer the affairs and manage the business of the Tribe; and

WHEREAS, the United States Department of the Interior (“DOI”), through the Bureau of Reclamation (“BOR”), issued a Notice of Funding Opportunity (“NOFO”) for WaterSMART Grants: Small-Scale Water Efficiency Projects (R21AS00300) on January 29, 2021; and

WHEREAS, through the WaterSMART grant for small-scale projects (the “WaterSMART Grant”), BOR provides 50/50 cost share funding to states, tribes, irrigation districts, water districts, and other entities with water or power delivery authority to undertake small-scale water efficiency projects; and

WHEREAS, the Tribe, pursuant to P.L. 111-11, Section 9502, is eligible to apply for and receive a WaterSMART Grant; and

WHEREAS, due to increasing pressure from drought conditions and the continuous strain on water resources in Southern California, the Tribe desires to submit a WaterSMART Grant application for the proposed project entitled “*Andreas Pipeline Water Meters & System Optimization*” (the “Project”) in response to NOFO No. R21AS00300; and

WHEREAS, the closing date to submit a WaterSMART Grant application is March 18, 2021; and

WHEREAS, the Tribe desires to submit a WaterSMART Grant application by the closing date for the purposes set forth herein.

NOW THEREFORE BE IT RESOLVED by the Tribal Council of the Agua Caliente Band of Cahuilla Indians that:

1. All of the recitals set forth above are true and correct, and the Tribal Council so finds and determines.
2. The Tribal Council hereby designates any elected officer of the Tribal Council (Chairman, Vice-Chairman, or Secretary/Treasurer) as an authorized agent of the Tribe with authority to execute for or on behalf of the Tribe the WaterSMART Grant application and any other document necessary for the Tribe’s receipt of funds from the DOI to carry out the Grant purposes.

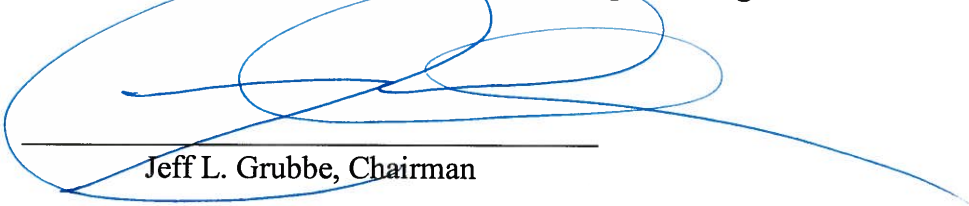


Resolution No. 08-21

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3. The Tribal Council has reviewed and supports the WaterSMART Grant application to be submitted to the BOR.
4. The Tribe is capable of contributing, and will contribute, the required fifty percent (50%) cost share of total Project costs through cash contributions.
5. The Tribal Council hereby authorizes its agent(s) set forth above to work with BOR to meet established deadlines for entering into a WaterSMART Grant or cooperative agreement.

Dated: March 9, 2021



Jeff L. Grubbe, Chairman

CERTIFICATION

I, the undersigned, the Secretary of the Agua Caliente Band of Cahuilla Indians, hereby certify that the Tribal Council is composed of five members of whom 4 constituting a quorum, were present at a meeting whereof duly called and noticed, convened and held this 9th day of March, 2021; that the foregoing resolution was duly adopted at such meeting by a vote of 3-0-0 members and that said Resolution has not been rescinded or amended in any way.



Vincent Gonzales III, Secretary/Treasurer