

# Smart Meter Installation Project for Murray State College, Tishomingo, Oklahoma

Water SMART Grant: Small-Scale Water  
Efficiency Projects for Fiscal Year 2020  
BOR-DO-20-F006

**Prepared for:** Bureau of Reclamation  
Financial Assistance Support Section  
Attn: Mr. Matthew Reichert  
P.O. Box 25007, MS 84-27814  
Denver, CO 80225

**Applicant:** The Chickasaw Nation  
520 E. Arlington  
Ada, Oklahoma 74820

**Project Manager:** Shane Jemison  
Water Resources Planner  
1630 E. Beverly  
Ada, OK 74820  
(580) 421-5798  
Fax (580) 371-2105  
[Shane.jemison@chickasaw.net](mailto:Shane.jemison@chickasaw.net)

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## **TECHNICAL PROPOSAL AND EVALUATION CRITERIA**

### **Executive Summary**

**Date:** March 4, 2020  
**Applicant Name:** The Chickasaw Nation  
**City, County and State:** The Chickasaw Nation, Tishomingo, Pontotoc County, Oklahoma

### **Project Summary**

The Chickasaw Nation (CN) is pleased to submit this application to install automatic meter reading (AMR) smart meters within the Murray State College (MSC) water distribution system. The requested funding will allow the CN to purchase and install 32 smart meters and a supervisory control and data acquisition (SCADA) system. Installation of these meters will significantly reduce water losses currently experienced within the MSC water distribution system, enhance management of current water supplies and make the most efficient use of limited water supplies from Pennington Creek, the community's sole source of water. Ultimately these water savings will benefit the City of Tishomingo once the city takes on the responsibility of supplying water to MSC.

The proposed project is one element of a larger effort by the CN to improve aging water infrastructure within its territory and ultimately maximize water reliability for its citizens. The proposed project is supported by existing local and regional water resources planning efforts, which have also been encouraged by the CN.

The meter installation project will be completed within 18 months. The proposed project is not located on a Federal facility.

## The Chickasaw Nation Smart Meter Installation Project

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### Background Data

#### City of Tishomingo

Tishomingo, located within the Chickasaw Nation (CN), is the largest city in Johnston County in southeastern Oklahoma as well as the county seat. The city has historically relied solely on the small river that runs through the town—Pennington Creek—but this source almost dried up during the drought of 2011. A further concern is rapid growth due to proposed developments by the CN. The city succeeded earlier this year in expanding its surface water right to 7,000 acre-feet per year (AFY). However, this legal right to capture more water does not impact the physical quantity of water available in Pennington Creek. City officials are very conscious of the fact that the next drought could result in water shortages and have a serious local economic impact.

The city currently utilizes an old and deteriorating water treatment plant—a situation the CN is helping the city to address through an ongoing plant upgrade and expansion project. The city has also pursued installation of Automatic Meter Reading (AMR) meters in order to address significant water losses, promote water conservation and inform future water planning. Tishomingo's water distribution system consists of 99 miles of distributions lines, three storage tanks totaling 350,000 gallons in capacity and a pump station. The proposed project represents another phase of improvements for the existing water system.

#### Murray State College

Murray State College, located on approximately 40 acres within the city limits of Tishomingo, has an enrollment of about 2,000 full-time undergraduate students.<sup>1</sup> Currently, the college facilities are supplied with potable water by MSC's own on-site water treatment plant and distribution system; however, an emergency interconnect currently exists between the MSC distribution system and the Tishomingo system, and during periods of low flow or drought in Pennington Creek the City of Tishomingo has provided water to MSC. Many of the water infrastructure lines that are included within the MSC facilities have not been updated. Some of which have not seen improvements for more than three decades. The water loss rate within the current system is unclear due to the lack of data to prioritize this planning. Furthermore, upon completion of a new community water treatment plant the MSC plant will be closed and the City of Tishomingo will take over water supply responsibility for MSC.<sup>2</sup> Therefore, efficiency gains obtained now through meter replacements will ultimately reduce demand on the water supply of the city.

Since it was established in 1908, MSC and the CN have had a consistent history of partnerships that have fostered community development and educational investment. MSC has consistently had a high percentage of Chickasaw students within their student population and Tishomingo is the historical capital of the CN. The City of Tishomingo provides water for a major CN health clinic, several businesses, key historic sites, tourism facilities, and community centers that impact all youth, families, and veterans that receive over 250 direct programs and services that

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<sup>1</sup> <https://www.msco.edu/about-msc/consumer-information>

<sup>2</sup> This is expected to take place by 2021.

# The Chickasaw Nation Smart Meter Installation Project

reside in the surrounding region. MSC provides water to the campus as well as Mercy Hospital Tishomingo, a 25-bed critical access facility serving Tishomingo and Johnston County in southern Oklahoma.

## Past Relationship with Reclamation

The City of Tishomingo received a previous WaterSMART Small-Scale Water Efficiency grant for fiscal year 2018 (BOR-DO-18-F009) to install smart meters for large, institutional water users supplied by the city. The city also received a WaterSMART Small-Scale Water Efficiency grant for fiscal year 2019 (BOR-DO-19-F005) to upgrade irrigation equipment used by MSC. The CN was a partner on both of these previous efforts, and has a long history of working alongside the United States Bureau of Reclamation (USBR) elsewhere in the region on projects within the Arbuckle Simpson Aquifer, Oklahoma's only sole source aquifer. Some of these projects include the Arbuckle Simpson Drought Contingency Plan and the Water Bank Development Strategy grants. Additionally, the CN has received a technical assistance grant to assist with identifying and developing a supplemental water supply for water providers within the Johnston County Oklahoma region.

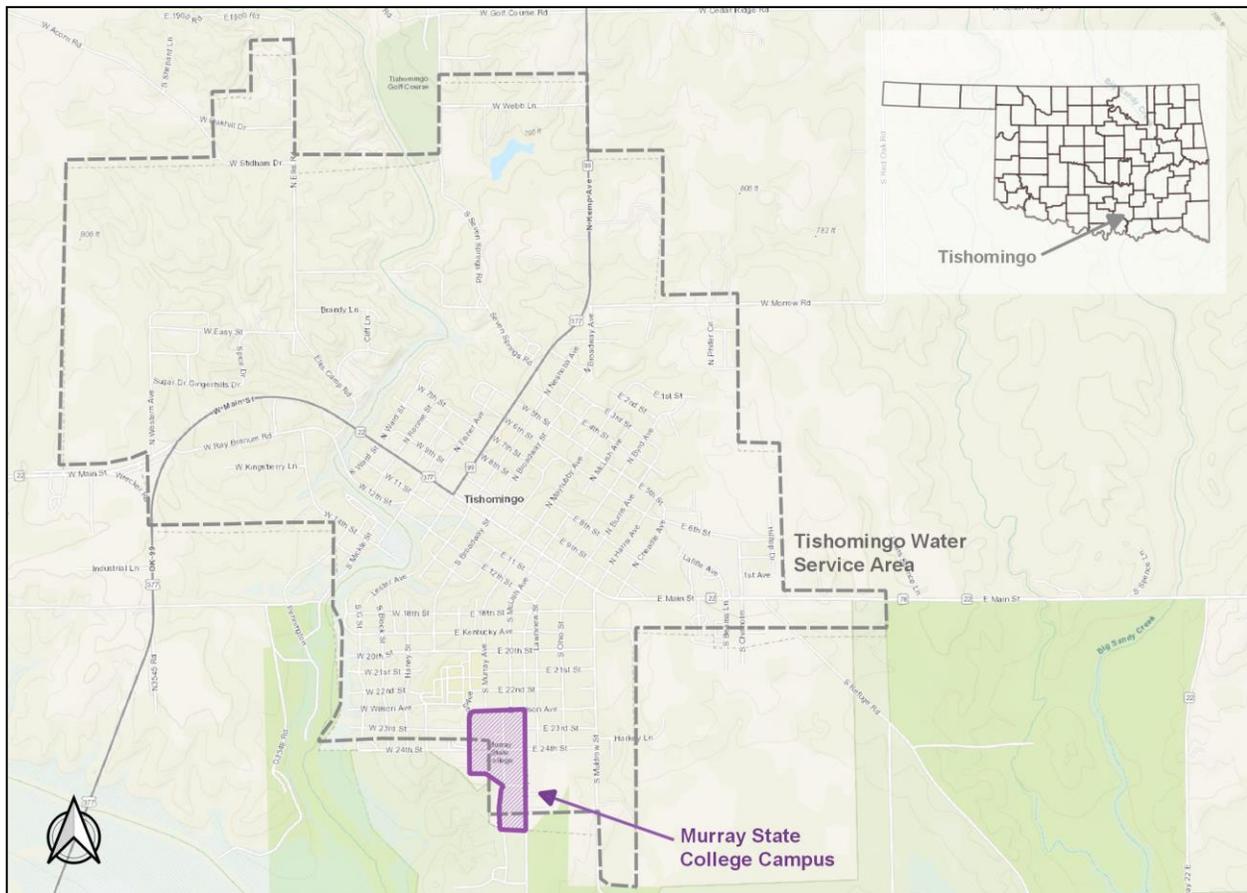


FIGURE 1. LOCATION OF MURRAY STATE COLLEGE WITHIN THE CITY OF TISHOMINGO

The Chickasaw Nation  
Smart Meter Installation Project

**Project Location**

The proposed project will be implemented across several locations on the campus of MSC within the City of Tishomingo, Johnston County, Oklahoma (as shown in Figure 1). The latitude/longitude for MSC is Lat 34.224079, Long -96.679282.

**Technical Project Description and Milestones**

MSC has identified 32 AMR smart meter water system locations that are currently either unmetred or utilize only traditional meters. Installing AMR meters at these locations would localize where water loss is occurring within the local water supply system and inform decision makers where repairs or attention is required improving system efficiency and mitigate water loss. The following activities to be accomplished:

1. Acquisition of materials (smart meters and associated equipment)
2. Contractor Selection and Procurement Process
3. Contractor Installation of meters.

Figure 2 identifies the campus locations of the meters which will be replaced under this proposal. These locations were determined by MSC staff based on expected gains in efficiency to better determine water usage within the MSC water infrastructure system.

Ultimately, the installation of these new meters will allow critical operational control of the water supply infrastructure and a more accurate estimate of water demands that would provide significant savings associated with future operation of Tishomingo’s new planned water treatment plant. Specific project milestones are provided in the Evaluation Criteria section.



**FIGURE 2. PROPOSED METER REPLACEMENT LOCATIONS ON THE MURRAY STATE COLLEGE CAMPUS**

## Evaluation Criteria

### Evaluation Criterion A – Project Benefits (35 points)

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

MSC's water distribution system currently utilizes aging standard meters as well as unmetered connections, which leads to unnecessary water withdrawals from Pennington Creek (already a strained water source) and unnecessary demands on MSC's small water treatment plant. Ultimately, without meter replacement these system losses will be inherited by the City of Tishomingo after water provision responsibility is transferred to the city. MSC will become a major water customer once this occurs and the proposed project will encourage more reliable accounting of a critical water supply source. As a supporter of MSC, the CN will also benefit from these improvements. Smart meter installation will be the first phase of many that will be necessary to ensure reliable water usage and water planning at MSC. Without any meters or meter reading software in place on MSC campus there is no ability to determine the amount of water that is lost within the current system. When the next major drought occurs as in 2011, the City of Tishomingo will be better informed, prepared and positioned to mitigate the negative impacts of the drought.

### Evaluation Criterion B – Planning Efforts Supporting the Project (35 points)

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

The CN has supported water planning processes at multiple levels and in partnership with a variety of stakeholders in Oklahoma. The 2012 Oklahoma Comprehensive Water Plan Lower Washita Watershed Planning Region report recognizes the unreliability of the City of Tishomingo's water supply and recommends distribution system improvements to meet their current and future supply needs. A recently completed USBR Drought Contingency Plan for the Arbuckle-Simpson aquifer also recommended drought conservation measures to assist the City of Tishomingo. These planning efforts will also apply to MSC, as the campus uses the same water source as the City of Tishomingo.

The CN and Choctaw Nation of Oklahoma (CNO) have initiated a comprehensive regional water planning initiative for their jurisdictional homelands in southeast Oklahoma. In this role, the CN has a vested interest in ensuring that communities across the region, including Tishomingo, are able to meet their water needs.

The City of Tishomingo, with the assistance of the CN, has also been proactive in addressing its water system needs by conducting a water audit, pursuing water treatment plant expansion and funding installation of SCADA system improvements to ensure reliability for its citizens. The SCADA system recommended for installation through this project will be the same so the meters and system will be compatible for future consolidation of water treatment plants. This project and the demand management it will carry through demonstrates another way in which the city is attempting to address its water supply problems. MSC also supports the project, and a letter of

## Smart Meter Installation Project

commitment is provided in Attachment 1. A letter of support from the City of Tishomingo is provided in Attachment 2.

### Evaluation Criterion C – Project Implementation (10 points)

*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.*

Table 1 outlines the major tasks, milestones and schedule for the proposed project. The project is estimated to require 18 months for completion and includes installation of 32 AMR meters and SCADA system.

**TABLE 1. PROJECT TASKS AND MILESTONES**

Project Tasks and Milestones	Year 1				Year 2	
	Q1	Q2	Q3	Q4	Q1	Q2
Notice of Award	★					
1. Acquisition of Materials						
2. Contractor Selection Process						
3. Contractor Installation of Meters and SCADA system						
Submit Interim Performance Report				★		
Submit Final Performance Report						★

### ***Project Reporting***

The required financial reports will be submitted at least on an annual basis. An interim performance report will be submitted after two months specifying project status, including a summary of project milestones as well as any cost revisions and potential issues impacting scheduled project completion. A final performance along with a financial report will be submitted after the project is completed and will include whether the project objectives and goals were met, a discussion of the benefits achieved by the project and any relevant documentation, including photos. Installation of equipment for the proposed project is ready to proceed upon funding notification and acquisition of the required equipment. Environmental compliance costs are not anticipated for the proposed project. The proposed project will not require permits. No new policies or administrative actions are expected to be required.

### Evaluation Criterion D – Nexus to Reclamation (10 points)

*Is the proposed project connected to a Reclamation project or activity? If so, how?*

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Pennington Creek, which is the City of Tishomingo's only water supply, is a shared resource in the Washita River Basin. The Tishomingo National Fish Hatchery, operated by the U.S. Fish and Wildlife Service (another agency within the Department of the Interior) relies upon adequate flows from the creek for its operation. The Tishomingo National Wildlife Refuge, also in the basin, provides critical habitat for crappie, sand bass and channel, flathead and blue catfish in the Cumberland Pool, which is fed by both Pennington Creek and the Washita River. The proposed project will help ensure the efficient use of water supplied by Pennington Creek.

Additionally, the CN owns a number of facilities within the City of Tishomingo, the CN Tishomingo Health Clinic and the CN Wellness Center, four community-based facilities (CN Tishomingo Area Office, CN Senior Center, CN Youth Club and CN Community Center) and the historic CN Capitol building. Improving city infrastructure to provide adequate and reliable water supplies will benefit both tribal government and the local community.

### Evaluation Criterion E – Department of the Interior Priorities (10 points)

*Up to 10 points may be awarded based on the extent that the proposal demonstrates that the project supports the Department of the Interior priorities. Please address those priorities that are applicable to your project.*

MSC will use the AMR smart meters and SCADA system to more efficiently manage their water supplies, including the identification and repair of significant water losses currently present. Such water stewardship and conservation measures are a priority of the Department of the Interior. In particular, this project will directly support two out of the five priorities of the Department of Interior:

1. *Creating a conservation stewardship legacy second only to Teddy Roosevelt.* The addition of smart meters to each building will enable MSC to determine water use in each building. This will allow utility managers to detect leaks more effectively and ensure that water is being used conservatively. From an environmental/ecosystem perspective, MSC's anticipated water efficiency will result in augmented flows in Pennington Creek and the downstream U.S. Fish and Wildlife Service Tishomingo National Wildlife Refuge. The Department of the Interior priority of supporting and enhancing the water and related economic security of tribal nations is also aligned with this project. Water security is improved through more efficient use of water and economic security is improved through decreased water losses and waste.
2. *Restoring trust with local communities.* This project brings five groups together for the greater goal of resource conservation. They are the USBR, the City of Tishomingo, the CN, the citizens of Tishomingo and MSC. It shows that partnerships with multiple groups can truly help the community.

The project will also result in enhanced water reliability for local water users, which is also an initiative of the WaterSMART program through which the USBR works with tribal and other entities to increase water supply through infrastructure modernization and related activities.

## PROJECT BUDGET

### Funding Plan

The following paragraphs respond to the Funding Plan questions outlined in the FOA.

*How will you make your contributions to the cost share requirement, such as monetary and/or in-kind contributions and source funds contributed by the applicant (e.g. reserve account, tax revenue, and/or assessments).*

This proposal requests \$75,000 in federal grant funding and has a cost-share match of \$75,000. The CN will provide a cost-match of \$65,000 and MSC will provide a cost-match of \$10,000 (see Table 2). The \$65,000 CN contribution will consist of \$55,000 cash and \$10,000 of in-kind services (labor) applied towards smart meter installation management. The MSC will be providing \$10,000 of in-kind labor services. The CN has included a letter of tribal authority that allows the governor of the CN to apply for the funding opportunity. The letter acts as a commitment for the cash contribution and in-kind services provided by the CN. (see attachment)

*Describe any in-kind costs incurred before the anticipated Project start date that you seek to include as costs.*

No in-kind costs have already been incurred for the proposed project.

*Describe any funding requested or received from other Federal partners.*

There are no funding requests that would affect the proposed project.

*Describe any pending funding requests that have not yet been approved, and explain how the Project will be affected if such funding is denied.*

There are no pending funding requests that would affect the proposed project.

**TABLE 2. SUMMARY OF NON-FEDERAL AND FEDERAL FUNDING SOURCES**

<b>Funding Sources</b>	<b>Amount</b>
<b>Non-Federal Entities</b>	
Costs to be paid by the applicant	\$65,000
Value of third-party contributions	\$10,000
<b>Non-Federal Sub-Total</b>	<b>\$75,000</b>
Costs to be reimbursed with the requested Federal Funding	\$75,000
<b>Total Project Cost</b>	<b>\$150,000</b>

The Chickasaw Nation  
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**Budget Proposal**

Table 3 provides a summary of the proposed project budget.

**TABLE 3. BUDGET PROPOSAL**

Item Description	In-Kind	Cash	Federal Request
<b>Salary and Wages</b>			
Water Resources Planner	\$ 2,711	\$ -	\$ -
Water Resources Manager	\$ 2,175	\$ -	\$ -
Director Natural Resources	\$ 2,893	\$ -	\$ -
Murray State College Labor	10,000	-	-
<b>Total Salary and Wages</b>	<b>\$17,779</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Fringe</b>			
<b>Health Insurance:</b>			
Water Resources Planner	\$ 408	\$ -	\$ -
Water Resources Manager	\$ 209	\$ -	\$ -
Director Natural Resources	\$ 547	\$ -	\$ -
401K match	\$ 389	\$ -	\$ -
Short Term/Occupational Disability	\$ 56	\$ -	\$ -
FICA	\$ 595	\$ -	\$ -
SUTA	\$ 16	\$ -	\$ -
<b>Total Fringe</b>	<b>\$ 2,220</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Contracts/Construction</b>			
Victor & Sons Utility Construction - \$88,608	\$ -	\$55,000	\$ 33,608
WHIT Industries - estimated \$41,392	\$ -	\$ -	\$ 41,392
<b>Total Contracts/Construction</b>	<b>\$ -</b>	<b>\$55,000</b>	<b>\$ 75,000</b>
<b>TOTAL DIRECT COSTS</b>			
<b>Indirect Costs</b>			
			\$ -
<b>TOTAL ESTIMATED PROJECT COSTS</b>			<b>\$150,000</b>
Total In-Kind			\$ 20,000
Total Cash Match			\$ 55,000
Total Federal Request			\$ 75,000

## Smart Meter Installation Project

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### Budget Narrative

The proposed total project cost is \$150,000. This application requests the United States Bureau of Reclamation (USBR) funding of \$75,000 to support 50 percent of the proposed project cost. The applicant will support the remaining 50 percent of the project costs with \$55,000 of cash match and \$20,000 of in-kind services. The following items provide more detail on the proposed budget.

**Salaries and Wages and Fringe Benefits:** Hourly rates listed for CN staff are inclusive of fringe benefits and included as in-kind project services amounting to \$10,000.

Shane Jemison, the water resources planner will dedicate 2 percent of his time, contributing a total of \$2711 (year one \$1332 + year two \$1379) in salary and a fringe contribution of \$786 (year one \$390 + year two \$396) for the project. The planner will be responsible for providing technical support to personnel, contractors and consultants in regard to the regulations and requirements that are related to the project. He will also be responsible for meeting with the team and sending required reports to the USBR.

The water resources manager will dedicate one percent of their time, contributing a total of \$2175 (year one \$1069 + year two \$1106) in salary and a fringe contribution of \$504 (year one \$249 + year two \$255) for the project. The water resources manager will participate in team meetings to provide technical assistance as well as assist with administering and reporting for the project.

The director of natural resources will dedicate one percent of their time, contributing a total of \$2893 (year one \$1422 + year two \$1472) in salary and a fringe contribution of \$934 (year one \$462 + year two \$471) for the project. The director will participate in the contractor selection and coordination for the project and will provide technical assistance to the contractor. He will also participate in reporting and project evaluations.

**Travel:** Reimbursable travel is not required by the applicant staff for this project.

**Equipment:** All equipment used during the proposed project will be provided by MSC, the CN and the selected contractor.

**Materials and Supplies:** Materials for this project include 32 AMR smart meters, SCADA system and installation. Costs are included as part of the estimated contract amount (see Table 4 for a breakdown).

**Contractual:** The total contractual costs for this project are \$130,000. The cost for the purchase and installation of 32 AMR smart meters and components is \$88,608 (See attached scope and bid document).

The Chickasaw Nation  
**Smart Meter Installation Project**

**TABLE 4. MATERIALS AND SUPPLIES BREAKDOWN - AMR SMART METERS**

<b>Product</b>	<b># of Equipment</b>	<b>Unit Cost*</b>	<b>Total Cost</b>
2' Meter	32	\$900/ea	\$28,800
Meter Boxes	32	\$239/ea	\$7,648
2' Gate Valves	32	\$30	\$960
Labor Costs	32	\$1600	\$51,200
<b>Total</b>	<b>32</b>		<b>\$88,608</b>
*Note: Unit Cost includes meter and installation parts			

Cost for the installation of a new 5 GHz SCADA Telemetry System and accompanying pole system is currently estimated to be \$41,392. These estimated contractual costs were determined to be fair and reasonable by the CN with Victor & Sons Utility Construction for the purchase and installation of 32 AMR smart meters and components as well as Whit Industries for the installation of a SCADA Telemetry System.

**Other:** N/A

**Indirect Costs:** \$0

Environmental and Regulatory Compliance Costs: **No such costs are anticipated for this project.**

## ENVIRONMENTAL AND CULTURAL RESOURCES COMPLIANCE

The following paragraphs respond to the Environmental and Cultural Resources Compliance questions outlined in the FOA.

*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 proposed project will not significantly impact the surrounding environment. Installation of the project materials and supplies will occur within the already developed areas of the distribution system within MSC's water service area.

*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?*

The activities associated with the proposed project are not anticipated to affect any threatened or endangered species, or related critical habitat.

*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 impacts anticipated to wetlands or surface waters as a result of the proposed project.

*When was the water delivery system constructed?*

Pennington Creek has been the water supply for the community since the 1850s. The City of Tishomingo's current water treatment and water distribution system was built in the 1970s.

*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 does not involve irrigation.

*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 proposed project does not involve external or internal renovation of any listed or eligible building, structure, or feature; however all activities will be coordinated with the State Historic Preservation Office before project implementation begins.

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

There no known archeological sites in the proposed project area.

## Smart Meter Installation Project

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

The proposed project will not have any adverse effect on low income or minority populations.

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

The proposed project will not limit access to or ceremonial use of Indian sacred sites. It will not result in any negative impacts to tribal lands.

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

The proposed project will not contribute to the introduction or spread of noxious weeds or invasive species.

# MURRAY

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## STATE COLLEGE

From Here... Go Anywhere.

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February 18, 2020

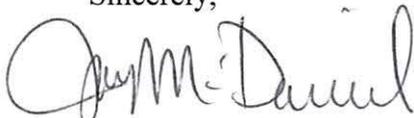
Governor Anoatubby  
The Chickasaw Nation  
Post Office Box 1548  
Ada, Oklahoma 74821

Dear Governor Anoatubby,

Murray State College is proud to support The Chickasaw Nation in the SmartMeter grant funding opportunity to install water meters at the college.

We are committing \$10,000 from our staff with in-kind match monies to help complete this project. MSC will continue to be a partner in all efforts to conserve water and better our environment.

Sincerely,



Joy McDaniel  
President



# CITY OF TISHOMINGO



February 7, 2020

Dear Governor Anoatubby,

The City of Tishomingo is proud to support the Chickasaw Nation's request for assistance from the Bureau of Reclamation in the WaterSMART Small-Scale Water Efficiency Projects grant funding opportunity to install smart meters at Murray State College. This project will ensure that water is efficiently accounted for and assist with identification of water loss through leaks.

If you need more information, please contact the City of Tishomingo City Manager at [tishomingocitymanager@outlook.com](mailto:tishomingocitymanager@outlook.com) or (580) 371-2369.

Sincerely,

Wanda Robins  
Mayor, City of Tishomingo

# Victor&Sons Utility Construction

4738 Marshall St

Sherman, Texas ,75090

PHONE-903-818-0994-Victor Diaz. Alt#-903-818-9281-Sandy Diaz

## **Murray State College AMR Smart Meter Project:**

There will be an estimated 32 AMR Smart Meters. Majority will be 2" with the information that has been previously provided from Murray State College.

Materials list includes: AMR Smart Meters, Labor for Installation, Valves and Fittings and Attachment Clamps.

AMR Smart Meters 2": (32)	\$900.00ea	\$28,000.00
Meter Boxes 18": (32)	\$239.00	\$7,648.00
Gate Valves 2": (32)	\$30.00	\$960.00
Labor Install: (32)	\$1,600.00	\$51,200.00
	<b>Total:</b>	<b>\$88,608.00</b>

**This includes all areas of installation that will need to be accessed on each facility, to determine the size to be accurately ordered.**

**Victor Diaz**

**Victor and Sons Utility Construction**

**02-17-2020**

**THANK YOU FOR YOUR BUSINESS!**

**REQUIRED PERMITS OR APPROVALS**

No permits or approvals are expected to be required for any project activity.



**OFFICE OF THE GOVERNOR**

The Chickasaw Nation  
Post Office Box 1548 • Ada, Oklahoma 74821  
(580) 436-2603 • Fax (580) 436-4287  
<http://www.chickasaw.net>

BILL ANOATUBBY  
GOVERNOR

February 25, 2020

Mr. Matthew Reichert  
Bureau of Reclamation  
Financial Assistance Support Section  
Mail Code: 84-278510  
Post Office Box 25007  
Denver, CO 80225

Dear Mr. Reichert:

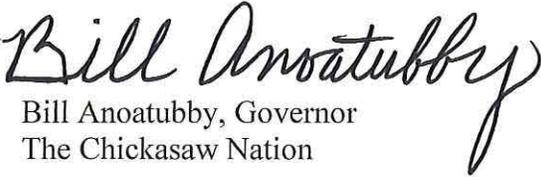
This letter serves as documentation of tribal authority to allow the governor of the Chickasaw Nation to apply for grants without a tribal resolution. The Chickasaw Nation Constitution, as approved by the secretary of the U.S. Department of the Interior, grants the governor of the Chickasaw Nation authority to apply for grant awards on behalf of the Chickasaw Nation. The authority of the governor is stated in Article X, Section 1 of the Chickasaw Constitution. The excerpt reads: "The Supreme Executive power of this Nation shall be vested in a Chief Magistrate, who shall be styled 'The Governor of the Chickasaw Nation.'" In addition, Article XI, Section 1 of the Constitution of the Chickasaw Nation states "the governor shall perform all duties appertaining to the Office of Chief Executive. He shall sign official papers on behalf of the Nation."

The Chickasaw Nation appreciates the opportunity to apply for funding from the Bureau of Reclamation – Small-Scale Water Efficiency Projects. This opportunity will advance our aim to maximize water use efficiency and monitoring while greatly benefitting members of Murray State College. The Chickasaw Nation will work with the Bureau of Reclamation to ensure established deadlines are accomplished.

The Chickasaw Nation will provide a cost share of \$55,000, as well as an in-kind contribution of \$10,000, to demonstrate the commitment to improving water quality and monitoring through collaborative conservation efforts in the management of local water resources within the Chickasaw Nation.

If you have any questions, please contact Mr. Kristopher Patton, natural resources director, at (580) 272-2528 or at [kristopher.patton@chickasaw.net](mailto:kristopher.patton@chickasaw.net)

Sincerely,

  
Bill Anoatubby, Governor  
The Chickasaw Nation

BJA:jjc