



UTAH DIVERSION MEASUREMENT & TELEMETRY (UDMT) PROGRAM

Q&A WEBINAR

Updated September 15th , 2026

PRESENTATION OUTLINE



- **Program Overview & Timeline**
- **Question & Answers Follow Up**
- **Open Q&A From Participants**
- **Resources**
- **Contact information**
- **Review of Application Process (if required)**
- **Pilot Project Examples**



UTAH DIVERSION MEASUREMENT AND TELEMETRY PROGRAM

Federally funded, collaborative initiative between the **Upper Colorado River Commission** and the **Colorado River Authority of Utah** with support from Jones & DeMille Engineering.

- Funding Source: Bureau of Reclamation through the Infrastructure Investment and Jobs Act (IIJA)
- Funding administered by UCRC to the four Upper Basin States. Utah received ~ \$3 million.

Program Goal: Install measurement and telemetry devices on diversion structures across the Upper Colorado River Basin within the State of Utah.





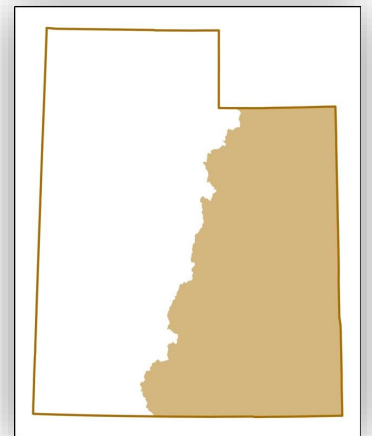
PROGRAM OBJECTIVES

Objective #1: Enhance real-time water monitoring infrastructure

Objective #2: Support the implementation of the Upper Colorado River Basin Drought Contingency Plan (DCP)

- Facilitate implementation of **conservation and drought mitigation** measures
- Improve the understanding of **existing water use** in Utah
- Enhance water supply and runoff **forecasting** capabilities
- **Optimize** water distribution systems
- Enable **actionable data driven** water management

Objective #3: Provide **federal funding opportunities** for water users in Utah.





PROGRAM OVERVIEW

APPLICATION CYCLES

Batch #1: 2025-2026
Currently in Installation Phase

Batch #2: 2026-2027

Batch #3: 2027-2028
Subject to applicant interest in Batch #1 & #2 and remaining funding.

Installations and Program Complete: 2029

Batch #2

Submit Application
Deadline
October 31, 2026

Application Evaluation and Selection

Project Design, Engineering, and Permitting

Installation

Inspection and Certification

Operations and Maintenance



QUESTIONS & ANSWERS

- OPEN FORUM FOR PARTICIPANTS
- WHAT QUESTIONS DO YOU HAVE?

QUESTIONS & ANSWERS FOLLOW UP



QUESTIONS FROM IN PERSON MEETINGS

- Who will maintain the measurement and telemetry equipment?
 - Upon installation, ownership will transfer to the subrecipient, who will be responsible for maintenance through 2029 with support from JDE/IEI. After 2029, the subrecipient will assume full responsibility for ongoing operation and maintenance of the measurement equipment.
- Where will the data go?
 - The data will be made publicly available through the State of Utah, Division of Water Rights.
- How long will the data be made available to the State?
 - The dataflow will be expected to continue past 2029.
- Is there a ceiling limit on the funding?
 - Individual project funding limits will be informed by industry-standard cost estimates. Final funding amounts will be dependent on individual project details.

QUESTIONS & ANSWERS FOLLOW UP



QUESTIONS FROM IN PERSON MEETINGS

- What does standard design mean?
 - Standard design would be a typical design for a flow rate within the range of readily available equipment and not having unique requirements. For example, a 5 cfs ditch that would utilize a standard flume placed in the ditch would be considered a standard design.
- Are there any control options or just measurement?
 - The UDMT Program focuses on measurement, so automation or control is not included. Funding is also not intended for replacing diversion structures.
- What if the project occurs on Forest Service land?
 - BOR will do NEPA and will coordinate with USFS, so please apply and we can get the conversation and process going if selected and feasible.
- Is a farm that pumps directly from the Green River eligible?
 - Yes, this would be considered a source diversion and would score higher due to direct connection with the Green River mainstem.

QUESTIONS & ANSWERS FOLLOW UP



QUESTIONS FROM IN PERSON MEETINGS

- Does measurement of reservoir elevation qualify for funding?
 - Yes, reservoir elevation measurement is eligible for funding if bathymetry or an elevation-area-capacity curve is available.
- How do we know what the various programs mentioned in the application are (DMPP, SCPP, etc.)?
 - These questions are geared towards current or past Program participants, who will be aware. More information on the Programs can be found on the UCRC and Authority websites.
- Could we indicate that we are interested in participating in conservation programs to be more competitive?
 - The ranking criteria focuses on current and past participants, only.

QUESTIONS & ANSWERS FOLLOW UP



QUESTIONS FROM IN PERSON MEETINGS

- What type of telemetry system will be used?
 - Type will be determined based on the situation, IEI will typically use Campbell Scientific equipment. Radio, cellular, or satellite communication will be determined by location and coverage.
- How often will data be transmitted, real-time or daily averages?
 - Frequency of reporting will depend on power requirements and type of communication at the site. Depending on the location and communication type (radio, cellular, satellite) it could be real-time, 15 minutes, or sub-hourly. We are still working with State of Utah to determine, but there will likely be sub-daily averages.
- What are the ongoing expenses and responsibilities after 2029? Are there estimated O&M Costs?
 - See next slide for tables of O&M estimated costs.



Estimated Telemetry Annual Data Plan Costs

Telemetry Type & Plan Size	Annual Cost*
Cellular 250 MB	\$150
Starlink Satellite Roam 50 GB	\$600

Notes on Telemetry Annual Costs

- These costs will be covered by UCRC until September 2029
- Subrecipient will be responsible for these costs after 2029
- Prices are 2026 Rates, subject to change

*Cost estimates as of August 2026



Estimated Service Life

Measurement Infrastructure	Service Life Range*	Telemetry Infrastructure	Service Life Range*
Pipeline Meter (Mag type, full pipe flow)	5 - 20 Years	Datalogger	5 - 20 Years
Weir (Steel in Concrete)	25+ Years	Solar Panel	5 - 10 Years
Steel Flume (Galvanized Steel)	25+ Years	Ultrasonic Sensor	3 - 6 Years
Stainless Steel Flume	50+ Years	Battery (Mag meters)	3 - 5 years
Concrete Flume	50+ Years	Steel Enclosure	10 - 20 Years

*Notes on Estimated Service Life

- Quality of infrastructure, part materials, and maintenance will be a primary factor of service life
- Subrecipient should plan on a spring and fall visit for maintenance, with monthly check-ins



Typical Annual Maintenance Requirements for Flow Monitoring Sites with Telemetry

Time of Year	Suggested Tasks	Time (Hours)
Spring	• Inspect and repair damaged cables (Elk, deer, and cows rub - mice and rabbits chew) • Check and tighten antenna connections • Inspect and repair taped connections • Inspect antenna, enclosure and solar panel brackets, if loose tighten • Clean solar panel and enclosure • Test power supply • Inspect and clean out antenna drain holes • Check desiccant and replace if needed • Check that cables are secured sufficiently with tape or zip ties • Install any sensors removed in the Fall	3
Fall	Similar tasks as Spring except possible removal of some sensors plus: • Remove brush or tree limbs that might have grown into path of solar panel or antenna • Any other steps needed to winterize the station	4



TIMELINE

- **BATCH 2 APPLICATION CYCLE**

- Application period – September 1-October 31, 2026
- Anticipated notification of application status - December 2026
- Anticipated signing of implementation agreement – Spring 2027
- Anticipated installation – Spring or Fall 2027

**Batch #2 Applications
Due October 31st at
Midnight!**

APPLICATION SUPPORT

JDE Office Location	Office Phone	Address
Roosevelt	(435) 722-8267	Roosevelt JDE Office, 520 West Hwy 40, Roosevelt
Vernal	(435) 781-1988	Vernal JDE Office, 38 West 100 North, Vernal
Price	(435) 637-8266	Price JDE Office, 1675 South Hwy 10, Price
Monticello	(435) 587-9100	Monticello JDE Office, 696 North Main, Monticello

Webinar	Date	Time	Materials
Kickoff - Virtual Informational Webinar	Held on 11/10/2025	6:00 PM	Please visit the UCRC website for the webinar recording and slides.



RESOURCES

UCRC WEBSITE



Application
Flyer
FAQ's

UTAH DIVERSION MEASUREMENT AND TELEMETRY PROGRAM

FAQ's

Q: What is the Utah Diversion Measurement and Telemetry Program (the UDMT Program)?
A: The intent of this Program is to enhance water monitoring infrastructure across the Upper Colorado River system within the State of Utah by installing real-time measurement and telemetry devices on diversion structures. This is a federally-funded program administered by the Upper Colorado River Commission (UCRC) in coordination with the Colorado River Authority of Utah (Authority), Jones and DeMille Engineering (JDE) and Intermountain Environmental, INC. (IEI) are providing technical and administrative support.

Q: Who can participate in the UDMT Program?
A: Eligible applicants may include canal companies, water conservancy districts, tribes, and individual water rights holders and must meet the following criteria:

- Located in the Utah portion of the Upper Colorado River system
- Have ownership in a valid water right associated with their project and appropriate permission to engage in the Program
- Be willing to agree to the implementation requirements of the Program

Q: What types of projects are eligible?
A: Project types may include:

- Locations that are measuring a source diversion, return flow, or reservoir inflow-outflow
- The installation of new measurement and telemetry equipment or upgrades to existing, non-functional measurement and telemetry equipment

Q: What are the requirements for the UDMT Program?
A: Projects:

- Must comply with federal funding terms and conditions, including Buy America requirements
- Are subject to NEPA compliance and other relevant state and federal permitting
- Will require real-time measurement and telemetry
- Will collect data that will be made publicly available through the Utah Division of Water Rights
- Will be inspected by a member of the Project Team
- Must be operated and maintained through Program duration (2029)
- Will be owned, operated, and maintained by the selected applicant after the Program has ended

Q: What type of support and services will be provided to successful applicants?
A: Within available funding limits, participation in the program will cover the cost of measurement and telemetry equipment, engineering and installation support, and operations and maintenance support through 2029.

Q: How do I apply for the UDMT Program?
A: Please visit the UCRC website for information on the Program and to submit an application. The first application period (Batch #1) will be open November 2025- January 2026.
<http://www.ucrccommission.com/utah-diversion-measurement-telemetry-program/>

UTAH DIVERSION MEASUREMENT AND TELEMETRY PROGRAM

OVERVIEW

The Utah Diversion Measurement and Telemetry Program (the UDMT Program) is a federally funded, collaborative initiative between the Upper Colorado River Commission (UCRC) and the Colorado River Authority of Utah (Authority) with support from Jones and DeMille Engineering (JDE). The intent of this Program is to enhance water monitoring infrastructure across the Upper Colorado River Basin within the State of Utah by installing real-time measurement and telemetry devices on diversion structures.

The UDMT program will offer application cycles for projects which will then be selected for funding, engineering support and installation of flow measurement and telemetry equipment.

PROGRAM CONTACTS

- Consultant: Jones and DeMille Engineering (JDE)
- JDE Project Manager: Eric Major PE | 435.760.5844 | eric.m@jonesandmille.com

THIS PROGRAM APPLIES TO THE FOLLOWING:

- Diversions from natural water courses (not canal or ditch laterals)
- Projects within the Utah portion of the Upper Colorado River System (map right)

PROGRAM REQUIREMENTS:

- Diversions with a valid water right
- Real-time data made publically available
- Compliance with federal funding terms and conditions

BENEFITS TO WATER USERS:

- Funding opportunity
- Reliable diversion measurement for operations and water use reporting
- Operations and Maintenance training for measurement and telemetry equipment

The UDMT program is intended to provide actionable data for improved understanding of existing water use and data driven water management decisions.

For more information, please visit the UCRC website:
<http://www.ucrccommission.com/utah-diversion-measurement-telemetry-program/>

Contact List

Please fill out the form below to be added to the UDMT email list to receive program information and updates.

First Name

Affiliation

Last Name

Email Address

SIGN UP

<http://www.ucrccommission.com/utah-diversion-measurement-telemetry-program/>

PROGRAM CONTACTS



- **Jones & DeMille Engineering**
Eric Major, PE | Project Manager
435.760.5844 | eric.m@jonesanddemille.com



- **Upper Colorado River Commission**
Ashley Nielson
385.592.9824 | anielson@ucrcommission.com



- **Colorado River Authority of Utah**
Marc Stilson, P.E.
801.232.4790 | mkstilson@utah.gov



FINAL QUESTIONS?



**Batch #2 Applications Due
October 31th at Midnight!**



ADDITIONAL MATERIAL

APPLICATION OPEN NOW!

Utah Diversion Measurement and Telemetry Program

Overview

The Utah Diversion Measurement and Telemetry (UDMT) Program is a federally funded, collaborative initiative between the Upper Colorado River Commission (UCRC) and the Colorado River Authority of Utah (Authority) with support from Jones and DeMille Engineering (JDE). The intent of this Program is to enhance water monitoring infrastructure across the Upper Colorado River Basin within the State of Utah by installing real-time measurement and telemetry devices on diversion structures.

Eligible water users will receive a measurement structure and telemetry devices, installed at their point of diversion, at no cost to them.

Program Objectives

The objectives of the UDMT program is to support the implementation of the Upper Colorado River Basin Drought Contingency Plan (DCP) with the following key elements:

- Facilitate implementation of conservation and drought mitigation measures
- Improve the understanding of existing water use in Utah
- Enhance water supply and runoff forecasting capabilities
- Optimize water distribution systems
- Enable data driven water management
- Provide federal funding opportunities for water users in Utah



Related Documentation

- [Outreach Flyer](#)
- [FAQs](#)
- [Eligibility Criteria](#)
- [Application Ranking Questions](#)
- [Federal Funding Requirements](#)

APPLICATION OPEN NOW

APPLY HERE



APPLICATION | WEBSITE

APPLICATION PROCESS

Create an Account



UDMT Application Portal

Utah Diversion Measurement & Telemetry Program

Email Address

Password

[Forgot password?](#)

[Sign In](#)

Don't have an account? [Sign Up](#)

Need assistance? Contact Jones & DeMille Engineering
Roosevelt: (435) 722-8267 | Vernal: (435) 781-1988

Create Your Account

Utah Diversion Measurement & Telemetry Program

Full Name *

Email Address *

Password *

Confirm Password *

[Create Account](#)

Already have an account? [Sign In](#)

Need assistance? Contact Jones & DeMille Engineering
Roosevelt: (435) 722-8267 | Vernal: (435) 781-1988

Create New Application

UDMT Application Portal

Utah Diversion Measurement & Telemetry Program

My Applications

T Test User

My Applications

+ Create New Application

No applications yet

Get started by creating your first application

+ Create New Application

Program Information

The Utah Diversion Measurement and Telemetry Program enhances water monitoring infrastructure across the Upper Colorado River Basin within Utah.

[Learn more about the UDMT Program →](#)

Application sections



Missing information



Section complete

UDMT Application

Application #OY9mh0D4l8io4OF8z0L1

Save Draft

Exit

1

Eligibility

Applicant

Project

Location & Photos

Water Rights

Review & Submit

Utah Diversion Measurement & Telemetry Program

Application Portal

The Utah Diversion Measurement and Telemetry Program (the UDMT Program) is a federally funded, collaborative initiative between the Upper Colorado River Commission (UCRC) and the Colorado River Authority of Utah (Authority) with support from Jones and DeMille Engineering (JDE). The intent of this Program is to enhance water monitoring infrastructure across the Upper Colorado River Basin within the State of Utah by installing real-time measurement and telemetry devices on diversion structures.

i

Important Information

Additional information on the program can be found at: [UCRC Website](#)

This application portal collects eligibility information, project details, water-rights/authority and supporting documents. Data from approved projects will be made publicly available through the Utah Division of Water Rights (DWRI) and the UCRC data portal as part of program requirements.

Jones & DeMille Engineering Support

Jones and DeMille Engineering (JDE) has been contracted to support the UCRC in the implementation of the UDMT Program and is available to assist applicants in submitting applications for their proposed projects. Office locations and contact information are listed below. A PDF version of this application can be downloaded [here](#), but all applications will be required to be submitted electronically. If an applicant needs assistance, please reach out to JDE for support.

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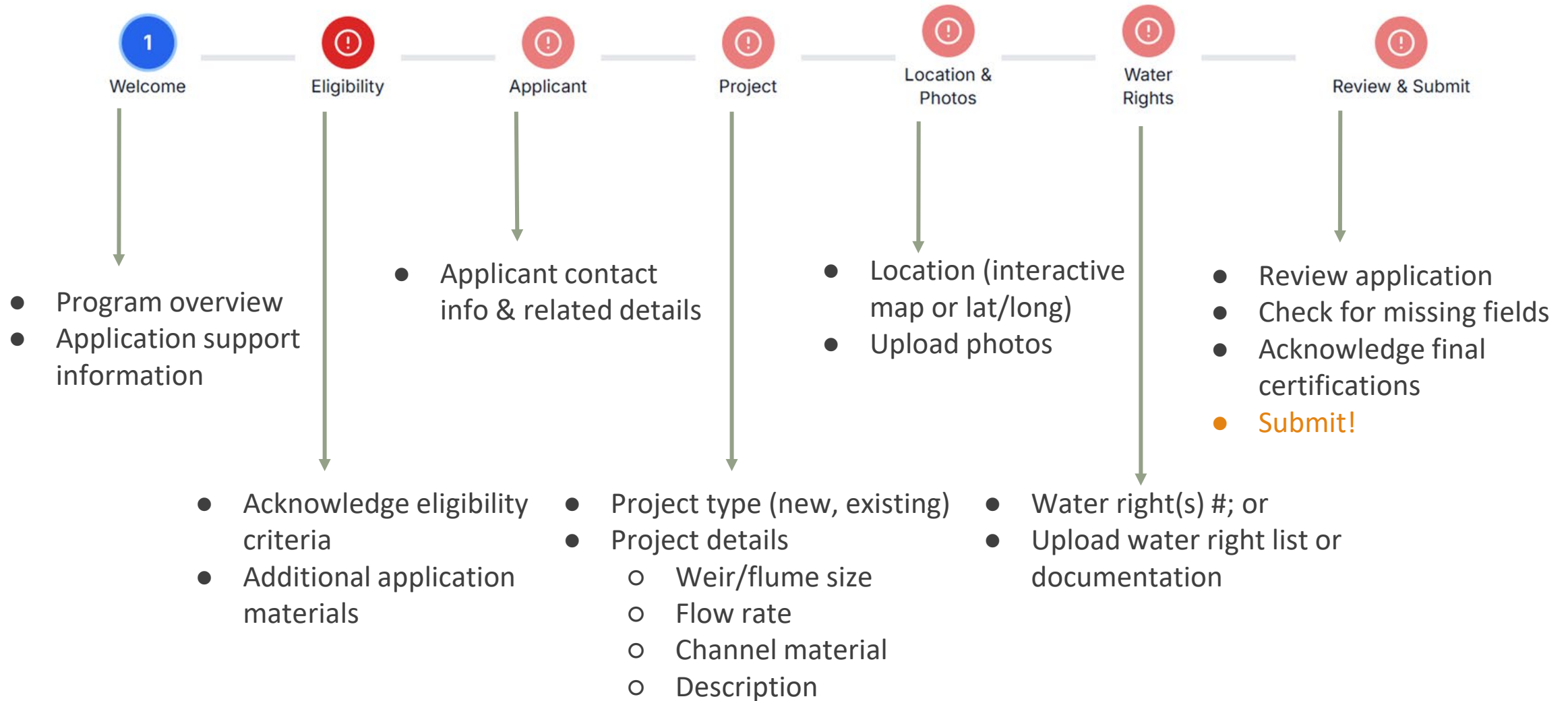
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UDMT Application

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UDMT Application

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Welcome

Eligibility

Applicant

4
Project

Location & Photos

Water Rights

Review & Submit

Proposed Project

Describe the proposed project and the measurement approach.

Project Type *

Select a project type

Select a project type

Existing Measurement Device Needing Telemetry

Existing Measurement Device Needing Rehabilitation and Telemetry

New Measurement Device with Telemetry Equipment

Self Installation of Measurement and/or Telemetry Equipment

Proposed Project

Describe the proposed project and the measurement approach.

Project Type *

New Measurement Device with Telemetry Equipment

Project Name/Title *

North Diversion

Measurement Required *

Select...

Name of Water Body *

Type of Flow Being Measured *

Select...

Is the project on Tribal land? *

Select...

Is the water agricultural irrigation water? *

Select...

Average Flow Rate (cfs) *

Channel Width *

feet

Channel Depth *

feet

Channel Material *

e.g., concrete, earth

Range of Flows During Operation (Min/Max cfs) *

Min

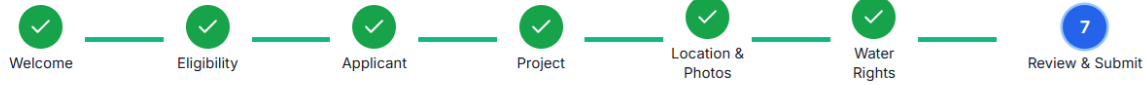
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UDMT Application

Application #OY9mh0D4l8io4OF8z0L1

Save Draft

Exit



Submit Application



✓ Application Submitted Successfully

Thank You,

Your application has been successfully submitted to the UDMT Program.

We have received your application and it is now under review by the Upper Colorado River Commission (UCRC).

What Happens Next?

- 1. Review Process:** The UCRC team will review your application for completeness and eligibility.
- 2. Additional Information:** If we need any additional information, we will contact you via email.
- 3. Approval Decision:** You will be notified of the approval decision once the review is complete.
- 4. Implementation Agreement:** If approved, you will enter into an implementation agreement with UCRC.



Submitted-Application.PDF

UDMT Application Portal

Utah Diversion Measurement & Telemetry Program

My Applications

T Test User

My Applications

+ Create New Application

PROJECT NAME	STATUS	LAST UPDATED	ACTIONS
North Diversion ID: 3ralz3EP52VzQs1MBoTz	Draft	06/11/2025	
Pilot Ap review ID: b37qLfTDFTPPntgAERYw	Submitted	05/11/2025	

Separate applications per project

View "Submitted" applications

ADDITIONAL MATERIALS

Application Ranking Sheet

Utah Diversion Measurement and Telemetry Program - Application Ranking Sheet		
Ranking Questions	Possible Points	Total Points
1. Is the applicant already currently participating or planning on participating in a water conservation program (DMPP, SCPP)?	20	
2. Is the applicant a past participant of DMPP, SCPP, or other conservation program?	15	
3. Does the proposed project support an ongoing water conservation project (DMPP, SCPP)?	20	
4. Does the project have a direct connection to the Green/Colorado River mainstem?	10	
5. Is the project a trans-basin diversion of water from the Colorado River system?	10	
6. What is the average flow rate of the project?		
0 to 10 cfs	5	
10 to 25 cfs	7	
25+ cfs	10	
7. What is the length of the measurement period?		
<3 months	5	
3 to 8 months	7	
>8 months	10	
8. Is the project adding new measurement capabilities?	10	
9. Is the project adding new telemetry capabilities?	10	
10. Is the project updating an existing measurement device or telemetry?	5	
11. Is the project using a standard design?	5	
12. Does the project fill a data gap identified by the Authority and/or DWRI?	10	
TOTAL POINTS		

Note: Costs may be considered in project selection only if the number of eligible projects exceeds available funding.

Federal Funding Requirements

11. REGULATORY COMPLIANCE

The Recipient (UCRC) agrees to comply or assist Reclamation with all regulatory compliance requirements and all applicable state, Federal, and local environmental and cultural and paleontological resource protection laws and regulations as applicable to this project. These may include, but are not limited to, the National Environmental Policy Act (NEPA), including the Council on Environmental Quality and Department of the Interior regulations implementing NEPA, the Clean Water Act, the Endangered Species Act, consultation with potentially affected Tribes, and consultation with the State Historic Preservation Office. If the Recipient begins project activities that require environmental or other regulatory compliance approval prior to receipt of written notice from a Reclamation GO that all such clearances have been obtained, then Reclamation reserves the right to initiate remedies for non-compliance as defined by 2 CFR 200.339-340 up to and including unilateral termination of this agreement.

12. WAGE RATE REQUIREMENTS [Public Law 117-58, Sec. 41101]

Section 41101 of the Bipartisan Infrastructure Law (also known as the Infrastructure Investment and Jobs Act), P.L. 117-58, requires that all laborers and mechanics employed by contractors or subcontractor in the performance of construction, alteration, or repair work on a project assisted in whole or in part by funding made available under BIL shall be paid wages at rates not less than those prevailing on similar projects in the locality, as determined by the Secretary of Labor in accordance with Subchapter IV of Chapter 31 of Title 40, United States Code (commonly referred to as the Davis-Bacon Act).

13. BUY AMERICA DOMESTIC PROUREMENT PREFERENCE

As required by Section 70914 of the Bipartisan Infrastructure Law (also known as the Infrastructure Investment and Jobs Act), P.L. 117-58, on or after May 14, 2022, none of the funds under a federal award that are part of Federal financial assistance program for infrastructure may be obligated for a project unless all of the iron, steel, manufactured products, and construction materials used in the project are produced in the United States, unless subject to an approved waiver. The requirements of this section must be included in all subawards, including all contracts and purchase orders for work or products under this program. Recipients of an award of Federal financial assistance are hereby notified that none of the funds provided under this award may be used for a project for infrastructure unless:

- all iron and steel used in the project are produced in the United States--this means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States;
- all manufactured products used in the project are produced in the United States--this



Water User Implementation Agreement

UPPER COLORADO RIVER COMMISSION COOPERATIVE AGREEMENT SUBAWARD UTAH DIVERSION MEASUREMENT & TELEMETRY PROGRAM

1. **Parties.** The parties to this Cooperative Agreement Subaward ("Subaward Agreement") are the Upper Colorado River Commission ("UCRC") and [Subrecipient's Name], [a][an] [entity type][individual] ("Subrecipient"). Subrecipient and UCRC may be referred to individually as a Party or collectively as the Parties.

2. **Purpose.** UCRC is the recipient of a federal award entitled the "United States Department of the Interior Assistance Agreement R23AP00295 Between Bureau of Reclamation and the Upper Colorado River Commission for Upper Basin Infrastructure Investment & Jobs Act and Drought Contingency Plan Implementation Activities", as amended on April 26, 2024 (R23AP00295-02) and November 22, 2024 (R23AP00295-03) ("IIJA Award"). The IIJA Award is intended to fund projects that support the Upper Division States' and UCRC's Drought Contingency Plan ("Upper Basin DCP") implementation activities. UCRC, in collaboration with the Colorado River Authority of Utah ("Authority"), is utilizing IIJA Award funding to implement the Utah Diversion Measurement and Telemetry Program ("UDMT Program") to enhance water measurement and monitoring infrastructure across the portion of the Colorado River Basin within the State of Utah.

The purpose of this Subaward Agreement is to allow UCRC to pass through a portion of the IIJA Award as a subaward for [the] [purchase] [and installation] of [a] [diversion measurement] [and] [telemetry] equipment ("Measurement Equipment") to [measure] [and] [transmit] flow data for Subrecipient's water diversion (the "Project"). A description of the Project is attached hereto as **Exhibit "A"**.

3. **Project Subaward.** For this Project, the UCRC is serving as a pass-through entity for the IIJA Award to grant a subaward to Subrecipient in the form of goods and services ("Subaward"). The particular goods and services funded by the Subaward and their associated values are described in **Exhibit "A"**.

4. **Construction and Installation Specifications.** The specifications for the construction and installation of the Measurement Equipment for the Project is attached hereto as **Exhibit "B"**.

5. **Right of Entry.** The UCRC and the Authority, acting through each entity's staff, designees, contractors, or agents (individually or collectively, a "Program Representative"), shall have the right to access the Project, including the Measurement Equipment, in adherence with the Access terms set forth in **Exhibit "C"**. Subrecipient shall be solely responsible for gaining the permissions, taking the necessary actions, or making the arrangements necessary to grant the described Access to the Program Representative. The Program Representative is granted the right of Access to install, construct, maintain, inspect, and certify the results of the Project as specified in this Subaward Agreement.

PILOT PROJECT EXAMPLES



Project 0P

Existing Return with
Dysfunctional
Telemetry



Project 1P

Existing Structure
with Dysfunctional
Telemetry



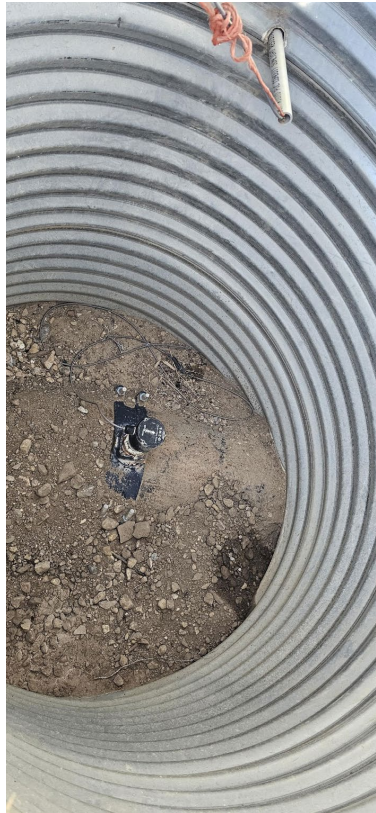
Project 2P

Existing Return with
Dysfunctional
Telemetry



Project 3P

Existing Meter with
No Telemetry



Project 4P

Existing Structure
with No
Measurement or
Telemetry



Project 5P

Existing Pipe Meter
with Telemetry
Needing Additional
Improvements

