

State Water Commission Meeting
#238 Lewis and Clark Room, Bank of North Dakota
1200 Memorial Hwy., Bismarck, ND
Tuesday, December 16, 2025 – 1:00 p.m. CT

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AGENDA

- 1:00 – 1:02 A. Roll Call
1. Pledge of Allegiance
 2. Conflict of Interest
- 1:02 – 1:03 B. **Consideration of Agenda**
- 1:03 – 1:04 C. Consideration of Minutes
1. **Draft Minutes for the October 9, 2025, SWC Meeting**
 2. **Draft Minutes for the November 20, 2025, Pre-Commission Meeting**
- 1:04 – 1:15 D. SWC Secretary Update (Reice Haase)(no attachment)
- 1:15 – 1:20 E. **Request for Qualifications – Operation Safe Flow** (Pat Fridgen)
- 1:20 – 1:25 F. Financials (Chris Kadrmas)
- 1:25 – 1:30 G. 2027 Water Development Plan (Duane Pool)
- 1:30 – 1:50 H. Southwest Pipeline Project (SWPP) (Justin Froseth)
1. Pipeline to Deferred Storage Reservoir – Feasibility Criteria Exclusion
 2. **2026 Capital Repayment, REM Rate, and SWA Budget Approval**
 3. **REM Reimbursement Request**
 4. **Intake Contract 1-2A Mediation Proceeds – Fund Allocation to SWPP**
- 1:50 – 2:05 I. Northwest Area Water Supply (NAWS) (Sindhuja S.Pillai-Grinolds)
1. **2026 Water Rate**
 2. **Memorandum of Understanding (MOU) with NAWS Customers**
 3. **REM Project – Pump Repair at High Service Pump Station**

CONSENT AGENDA

A consent agenda can be approved with one motion, or an item or items can be removed for additional discussion and separate action. Director Haase recommends approval of the following items:

2:05 – 2:10	J. Water Supply (Municipal/Rural) (Julie Prescott)			
	1. Greater Ramsey Water Dist. South System Phase II Expansion	\$551,250	PC	
	2. City of Mandan Proper NW Improvements	\$163,800	PC	

AGENDA

2:10 – 2:20	K. General Water (Abigail Franklund)			
	1. DWR	3D Hydrography Program for ND Ph.1	\$550,000	O
	2. Ward Co. WRD	Ward County Low Head Dams	\$262,117	CI
2:20 – 2:50	L. Water Supply (Municipal/Rural) (Julie Prescott)			
	1. Cass Rural WUD	2026 System Improvements	\$305,220	PC
	2. City of New Town	RO Membrane Water Treatment Plant	\$1,740,000	PC
	3. Fort Berthold Rural Water	Parshall to White Shield Regionalization	\$693,964	C
	4. City of Valley City	NW Standpipe Replacement Project	\$2,519,214	C
	5. East Central RWD	Hillsboro Area WTP Expansion	\$17,990,722	C
	6. East Central RWD	Hillsboro Area: Supply, Transmission, Dist.	\$9,742,005	CI
2:50 – 3:20	M. Deloitte Consulting, Inc. – Update on Legislative Studies			
3:20 – 3:30	N. Western Area Water Supply Update – Chris Barke			
3:30 – 3:55 (5 min each)	O. Project Updates (Presentations if time allows)			
	1. Devils Lake (Yaping Chi)			
	2. Mouse River (Laura Ackerman)			
	3. Missouri River (Clay Carufel)			
	4. NAWS (Sindhuja S.Pillai-Grinolds)			
	5. SWPP (Justin Froseth)			
3:55 – 4:00	P. Legal Updates (Presentation if time allows) (Matt Sagsveen)			
	Q. Adjourn			

BOLD ITEMS REQUIRE SWC ACTION

PC	Pre-Construction
C	Construction
L	Legislative
CI	Cost Increase
O	Other

MINUTES

North Dakota State Water Commission Bismarck, North Dakota October 9, 2025

The ND State Water Commission (Commission or SWC) held a meeting at the Bank of North Dakota, 1200 Memorial Highway, Bismarck, ND, and via phone conference on October 9, 2025. Lt. Governor Strinden called the meeting to order at 1:00 PM. A quorum was present. The board opened the meeting by reciting the Pledge of Allegiance.

State Water Commission Members Present:

Lt. Governor Strinden, Acting Chairman
Doug Goehring, Commissioner, ND Agriculture Commissioner
Michael Anderson, Lower Red River Basin
Jeff Frith, Devils Lake Basin (online)
Steve Hansen, James River Basin (online)
James Odermann, Little Missouri, Upper Heart, and Upper Cannonball River Basins
Gene Veeder, Upper Missouri River Basin
Jay Volk, Lower Missouri River Basin
April Walker, Upper Red River Basin (online)
Jason Zimmerman, Mouse River Basin

Others Present:

Reice Haase, Director, ND Dept. of Water Resources (DWR or Department) and Commission Secretary
Patrick Fridgen, DWR Deputy Director
John Paczkowski, DWR State Engineer
Jen Verleger, DWR General Counsel
DWR Staff
Approximately 65 people present online and in person.

Consideration of Agenda

Commissioner Volk moved to approve the October 9, 2025, meeting agenda as presented. The motion was seconded by Commissioner Zimmerman and passed by unanimous vote.

Disclosure of Potential Conflicts of Interest

No Conflicts of Interest were disclosed.

Consideration of Meeting Minutes

Commissioner Zimmerman moved to approve the August 14, 2025, State Water Commission meeting minutes as written. The motion was seconded by Commissioner Anderson and passed by unanimous vote.

Commissioner Zimmerman moved to approve the September 17, 2025, Pre-Commission meeting minutes as written. The motion was seconded by Commissioner Veeder and passed by unanimous vote.

Conflicts of Interest Reporting Process

Jen Verleger, DWR General Counsel, discussed the Conflicts of Interest Reporting process. Verleger noted three (3) changes. The policy adds reference to North Dakota Century Code (NDCC) 61-02-04.1, removes the requirement to fill out forms as the minutes will record all disqualifying conflicts of interest, potential conflicts of interest, and the abstention decision for any relevant agenda item, and adds definitions from the Supreme Court case similar to statute for direct personal pecuniary interest.

There was no discussion, and the following motion was made:

Moved by Commissioner Odermann and seconded by Commissioner Veeder the Commission adopt the Conflicts of Interest Reporting process as presented.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

Commission Secretary Update

Reice Haase, DWR Director, Commission Secretary, reviewed the allocated cost-share funds to date in the 2025-2027 biennium along with the current carryover amount. Haase discussed legislative engagement, noting the next Water Topics Overview Committee meeting will be on December 9, 2025, and the next Agriculture and Water Management Committee will be on November 13th. Haase noted DWR will begin work on the 2027 Water Development Plan in January 2026 and begin to schedule basin meetings for summer of 2026.

Financial Report

The Glossary of Terms, allocated program expenditures, and financial reports were presented by Chris Kadrmas, DWR Administration Division Director.

The oil extraction tax deposits total \$48,674,835 estimated through September 2025 for the 2025-27 biennium, which is \$1.2 million over the projected biennium revenue of \$47,385,728 through September 2025.

The 69th Legislative Assembly estimated oil extraction tax deposits for the 2025-2027 biennium to total \$354,510,000 through June 2027. It also provided for the transfer of oil extraction tax deposits in excess of the legislative forecast for the 2025-2027 biennium to be transferred quarterly to the Water Projects Stabilization Fund.

Kadrmas also presented updated numbers on the funds budgeted for the Commissioners' operations.

Southwest Pipeline Project (SWPP)

Contract 7-2B – Hydraulic Upgrades in the North New England Service Area

Contract 7-2B, Hydraulic Upgrades in the North New England Service Area, encompasses the installation of water infrastructure to improve hydraulic capacity and to expand service to rural users located between the City of New England and Dickinson. The project is designed to support over 100 new rural service connections in this region.

The construction bid with alternate sums up to \$1.94 million. Adding five (5) percent for construction contingency and 15-percent for construction management services, the total funding needed is \$2.33 million.

There were no questions, and the following motion was made:

Moved by Commissioner Goehring and seconded by Commissioner Anderson the Commission allocate \$2.33 million to the Southwest Pipeline Project from funds appropriated in the 2025-2027 biennium.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

Supplementary Intake Contract 1-2A

Justin Froseth, SWPP Project Manager, stated the settlement agreements for the Supplementary Intake Contract 1-2A have been fully executed and SWC can expect to receive all funds by mid-October.

Northwest Area Water Supply (NAWS)

City of Minot NAWS Authority Representative Appointment

Minot City Council took action and appointed the city's Mayor position as one of City of Minot's representatives to the NAWS Authority. In accordance with NDCC 61-24.6-02, NAWS Authority Members recommended by the different entities are appointed by the SWC.

There were no questions, and the following motion was made:

Moved by Commissioner Zimmerman and seconded by Commissioner Odermann the Commission approve the appointment of the City of Minot's Mayor as one of Minot's representatives on the NAWS Authority.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

Four-Year Progress Reports

Julie Prescott, DWR Engineer Manager, and Abigail Franklund, DWR Cost-Share Program Manager, reported to the Commission the following two (2) project sponsors have opted to give progress reports and have requested an extension:

Western Area Water Supply Authority (WAWSA) Phase 6 Projects

The cost-share for the project was approved on June 19, 2019, in the amount of \$3,000,000. The remaining cost-share balance is \$96,890.24. WAWSA requested an extension to the Phase 6 Project Agreement to December 31, 2026. Of the multiple projects under Phase 6, the preconstruction phase of the Williston Regional Water Treatment Plant Expansion from 21 million gallons per day to 35 million gallons per day and the warranty phase of the NWRWD 29-Mile Rural Distribution project remain active.

There were no questions, and the following motion was made:

Moved by Commissioner Veeder and seconded by Commissioner Anderson the Commission extend the cost-share agreement for the Western Area Water Supply Authority Phase 6 through December 31, 2026, based on the project sponsor making progress toward completion of the project.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

Upper Sheyenne River Joint Water Resource District Watershed Pilot Project

The cost-share for the project was approved on August 27, 2021, in the amount of \$1,100,000. The remaining cost-share balance is \$400,256.84. The Upper Sheyenne River Joint Water Resource Board has completed construction at two (2) pilot project sites in Nelson County while completing final design and permitting at two (2) additional sites located in Eddy and Sheridan Counties. The Joint Board requested to extend the Watershed Pilot Project by up to four (4) years until August 2029.

After discussion, the following motion was made:

Moved by Commissioner Anderson and seconded by Commissioner Zimmerman the Commission extended the cost-share agreement for the Upper Sheyenne River Watershed Pilot Project to December 31, 2027.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. Commissioner Walker abstained. There were no nay votes. The motion carried.

State Cost-Share Requests

Water Supply (Municipal/Rural)

Prescott presented the following municipal/regional water supply projects.

City of McVile: Water Treatment Plant Rehabilitation \$111,600 (SWC Project No. 2050MCV)

The City of McVile requested preconstruction cost-share for their Water Treatment Plant Rehabilitation project. The project is replacement of outdated and deteriorated

components at the City of McVile's water treatment plant, including facility meters, underdrains, piping, valves, and filter components. The project will also include installation of upgraded pumps and motors, control systems, and process instrumentation at the water treatment plant.

This project meets requirements of the Water Commission's cost-share policy. After discussion, the following motion was made:

Moved by Commissioner Goehring and seconded by Commissioner Zimmerman the Commission approve the request from the City of McVile for state cost-share participation in the Water Treatment Plant Rehabilitation project at 60% of eligible costs, not to exceed \$111,600. This approval is contingent on available funding.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

**Northeast Rural Water District: User and Facility Expansion \$473,989
(SWC Project No. 2050NOE)**

The Northeast Regional Water District is requesting preconstruction cost-share for their User and Reservoir Expansion project. The project is installation of approximately 35 miles of water main to add 53 users and will also include pump station upgrades at Reservoirs 11 through 14, Mountain Reservoir, and at the Walhalla Meter.

This project meets requirements of the Water Commission's cost-share policy. After discussion, the following motion was made:

Moved by Commissioner Goehring and seconded by Commissioner Veeder the Commission approve the request from the Northeast Regional Water District for state cost-share participation in the User and Reservoir Expansion project at 75% of eligible costs, not to exceed \$473,989. This approval is contingent on available funding.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

**Walsh Rural Water District: Walsh County Water Supply \$939,000
(SWC Project No. 2050WAL)**

The Walsh Rural Water District requested preconstruction cost-share for their Walsh County Water Supply project. The project is construction of eight (8) new wells, a raw water transfer station, approximately 32 miles of raw water pipeline and three (3) miles of finished water pipeline, and upgrades at the Park River and Grafton water treatment plants. The district anticipates receiving DWSRF loan forgiveness and Emerging Contaminants grant funding to be used toward project costs.

This project meets requirements of the Water Commission's cost-share policy. There were no questions, and the following motion was made:

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

\$575,637

Moved by Commissioner Goehring and seconded by Commissioner Veeder the Commission approve the request from the City of Medora for state cost-share participation in the Pacific Avenue Water Main Replacement project in the amount of \$575,637, or 60% of eligible costs, with total cost-share not to exceed \$619,137. This approval is contingent on available funding.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. There were no nay votes. The motion carried.

\$55,000,000

This project meets requirements of the Water Commission's cost-share policy for regional water supply projects. There were no questions, and the following motion was made:

Moved by Commissioner Goehring and seconded by Commissioner Volk the Commission approve the request from the Garrison Diversion Conservancy District for state cost participation in the Red River Valley Water Supply project in the amount of \$55,000,000, or 75% of eligible costs, with a total cost-share not to exceed \$205,000,000. This approval is contingent on available funding.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. The motion carried.

GDCD: Red River Valley Water Supply Project 2025-2027 Loan Request \$18,330,000 (SWC Project No. In/325)

The Garrison Diversion Conservancy District (GDCD) is requesting a loan in the amount of \$18,330,000 from the Water Infrastructure Revolving Loan Fund (WIRLF) through the Bank of North Dakota (BND) for the RRVWS project. The district intends to apply this loan toward the 25% local share requirement.

The current cost-share request is for the pipeline contract 7A and McClusky facility design portions of the project. Based on its initial review of the Financing Resolution to be executed by the district and project nominations and participants, BND indicated that debt service capacity for the requested loan amount has been demonstrated.

Per the passage of HB 1431 during the 2021 Legislative Assembly, the Water Commission is tasked with the review of loan requests from the WILRF. Following recommendation of a loan amount from the WIRLF by the State Water Commission, BND will proceed with formally reviewing the loan in accordance with BND loan policy.

There were no questions, and the following motion was made:

Moved by Commissioner Goehring and seconded by Commissioner Odermann the Commission approve the request from the Garrison Diversion Conservancy District to apply for a loan in the amount of \$18,330,000 from the Water Infrastructure Revolving Loan Fund through the Bank of North Dakota to be used toward the Red River Valley Water Supply project. This approval is contingent on available funding.

Commissioners Anderson, Frith, Hansen, Odermann, Veeder, Volk, Walker, Zimmerman, Goehring, and Lt. Governor Strinden voted aye. The motion carried.

Project Updates

DWR staff provided updates on the following projects:

- Devils Lake: Yaping Chi, Water Resources Engineer
- Mouse River: Laura Ackerman, Water Resource Engineer
- Missouri River: Clay Carufel, Missouri River Engineer
- NAWS: S.Pillai-Grinolds, DWR Water Development Division Director
- SWPP: Justin Froseth, SWPP Manager

Legal Update

Jen Verleger, DWR General Counsel, provided an update on current legal matters involving the SWC and DWR.

Deloitte Consulting – Cost-Share Program and Governance and Finance Studies

Kara Harris, Deloitte Consulting, gave an overview to the Commissioners of the two (2) legislative studies mandated under Sections 21 and 22 of House Bill 1020. Deloitte will assess if current cost-share policy meets projected funding needs, evaluate deferred maintenance and replacement needs, and recommend solutions to address funding and timing gaps. Harris explained they will develop a financial model to forecast funding needs and simulate potential cost-share adjustments and recommend data-driven options regarding program and policy updates, cost-share percentages, eligibility criteria, and procedural changes for long-term sustainability. Harris stated they will also evaluate the governance and financing models for three (3) major water supply systems: NAWS, SWPP, and RRVWS project. Deloitte will perform a third-party SWOT (Strengths, Weaknesses, Opportunities, Threats) analysis, conduct benchmarking of other regional systems, summarize stakeholder input through interviews and document analysis, assess current organizational structures, funding mechanisms, and oversight, and recommend future state governance models, enhanced performance metrics, and strategies for continuous improvement. Both studies kicked off in September. The draft reports are targeted for December, and the final findings will align with legislative deadlines in the spring of 2026. Harris noted stakeholder interviews will proceed with advance notice and transparency and encouraged commissioners to engage further during upcoming stakeholder interviews.

There being no further business to come before the Commission, Lt. Governor Strinden adjourned the October 9, 2025, meeting at 3:10 PM. The next State Water Commission meeting will be held on December 16, 2025, at 1:00 PM CT at the Bank of North Dakota, Lewis & Clark Room #238, 1200 Memorial Highway, Bismarck, North Dakota.

Michelle Strinden, Lieutenant Governor
Acting Chairman, State Water Commission

Reice Haase, Director, DWR
Secretary to the State Water Commission

**North Dakota State Water Commission
Pre-Commission Meeting
November 20, 2025**

The North Dakota State Water Commission (Commission or SWC) held a Pre-Commission meeting via Teams and in-person on November 20, 2025. The meeting was called to order at 1:00 PM and the Pledge of Allegiance was recited.

COMMITTEE MEMBERS PRESENT:

Michael Anderson, Lower Red River Basin
Jeff Frith, Devils Lake Basin (online)
Steve Hansen, James River Basin
James Odermann, Little Missouri, Upper Heart, and Upper Cannonball River Basins
Jay Volk, Lower Missouri River Basin /online)
April Walker, Upper Red River Basin (online)
Jason Zimmerman, Mouse River Basin (online)

COMMITTEE MEMBERS ABSENT:

Gene Veeder, Upper Missouri River Basin

OTHERS PRESENT:

Reice Haase, Director ND Department of Water Resources (DWR), Commission Secretary
John Paczkowski, ND State Engineer (DWR)
DWR staff
Approximately 39 members of the public present online.

Commission Secretary Update

Reice Haase, DWR Director, Commission Secretary, reported the percentage of allocated dollars for each water bucket and the dollars left in the carryover bucket. Haase stated he would continue to provide this information to the Commission each meeting, so they are able to see the progress as the biennium progresses. Haase briefed the Commission on the Cost-Share study and the Governance and Finance study, and thanked Commissioners for participating in the stakeholder meetings. November 13th DWR attended the interim Agriculture and Water Management Committee meeting, where the economic analysis tool was discussed. The interim Water Topics Overview Committee meeting has been scheduled for December 9th, and Haase anticipated an agenda being published soon. Haase shared the 2026 Commission meeting dates with the Commissioners.

Request for Qualifications—Operation Safe Flow

Patrick Fridgen, DWR Deputy Director, discussed the potential of a new initiative that has been discussed internally at DWR. Discussions took place in the spring of 2019, and the Commission wanted to place added emphasis on the mitigation of low head dams across the state and designated them as a high priority in its Project Prioritization Guidance.

To improve public safety around low head dams and to enhance outdoor recreation opportunities as an added benefit to those locations, Operation Safe Flow (OSF) is being proposed as a new initiative. Fridgen explained one of the key challenges to be addressed by OSF is the ability of the dam owner, typically a city or local water board, to secure their portion of the project funding. In addition, to address affordability, the sponsor will be presented options that have been specifically developed as least cost alternatives. In the initial launch of OSF, DWR is proposing to develop and seek responses to a Request for Qualifications (RFQ) in order to select a single engineering firm to specifically design least cost alternatives to mitigate roller effects at the selected dams. This new initiative will require SWC approval of funding for

the selected engineer's work from the RFQ effort. A draft of the RFQ will be sent to Commissioners the first week of December, and a formal request for approval to proceed with the RFQ process will be presented at the December SWC meeting.

2027 Water Development Plan

Duane Pool, DWR Planning and Education Division Director, outlined the timeline and process for the 2027 Water Development Plan, detailing outreach in January 2026, project submissions by April 2026, and basin meetings the summer of 2026. DWR planning staff will put together the dashboard, and the fall of 2026 the Water Development Plan will be presented to the Commission for review. The water development plan entries and prioritizations are then provided to the executive agency and the Legislature.

Southwest Pipeline Project (SWPP)

Justin Froseth, SWPP Project Manager, stated at the October 2024 SWC meeting, the SWC approved defining pipelines that are upstream of a reservoir as transmission facilities. The SWC also approved pipeline upstream of a reservoir as an exclusion to the maximum cost/equivalent service unit determination in the SWPP's feasibility criteria. The Burt-Hebron Rural Expansion Project area presents a unique circumstance in which the long-term efficiency of the project is best achieved by constructing the pipeline based on transmission flow design to a storage reservoir. Staff interpreted the action taken by the SWC in October 2024 that the pipeline to a deferred storage reservoir, designed with the transmission flow criteria can be excluded from the maximum cost per equivalent service unit calculation. This interpretation would enable the project to serve a greater number of rural users that would otherwise be possible.

Froseth discussed the SWPP 2026 capital repayment, replacement and extraordinary maintenance (REM) rate, and the Southwest Water Authority (SWA) budget. The 2026 combined rates for treatment, operations and maintenance, and reserve (including REM and Capital Repayment) will increase to \$5.92 per 1,000 gallons for transmission and \$6.47 per 1,000 gallons for distribution. The 2026 water rate for oil industry customers will remain the same at \$12.00 per 1,000 gallons. A formal request for approval will be brought to the December meeting.

Froseth stated reimbursement from the REM fund is being requested for several items of work in the amount of \$712,952.07. The current balance in the Reserve Fund for REM is \$28,648,195.87 as of September 30, 2025. A formal request to release funds will be brought to the December meeting.

Froseth updated the Commission on the SWPP Intake mediation proceeds. All cash proceeds totaling \$12,487,500 from the supplementary Raw Water Intake project's mediated settlement have now been fully received. As per the executed mediated settlement agreement, the SWC will receive \$500,000 in the form of credit for professional services from Bartlett & West/AECOM. A request to allocate the dollars to the SWPP will be brought to the December meeting.

Northwest Area Water Supply (NAWS)

Sindhuja S. Pillai-Grinolds, DWR Water Development Division Director, discussed the 2026 water rate for NAWS. The 2026 NAWS water rate for the City of Minot connections is increasing from \$0.712 to \$0.78 per 1,000 gallons. This does not include the supply rate. City of Minot customers will start paying the Lake Water Supply and Ground Water Supply when the lake water becomes available for the project. The 2026 NAWS water rate for NAWS contract connections is increasing from \$5.48 to \$5.73 per 1,000 gallons. This includes the Ground Water Supply/Lake Supply Rate of \$0.52 per 1,000 gallons. DWR staff will present the

estimated 2026 NAWS water rates to the NAWS Authority at their November meeting for approval. Commission approval will be sought at the December Commission meeting.

S. Pillai-Grinolds stated DWR staff developed a memorandum of understanding (MOU) with NAWS customers for documenting limitations on the assistance provided by DWR staff and different NAWS customers. At the September 2025 NAWS Authority meeting an MOU was approved. Authorization for the Secretary to finalize the MOU and proceed with executing with NAWS customers will be requested at the December meeting.

S. Pillai-Grinolds discussed the pump repairs needed on the High Service Pump Station. Request for reimbursement from REM funds will be presented to the Commission after the repairs are complete and actual expenses are known. The NAWS REM fund balance as of November 10, 2026, is \$4,166,605.36.

General Water

Abigail Franklund, DWR Cost-Share Program Manager, presented the following general water projects to be presented at the December Commission meeting.

- **DWR: 3D Hydrography Program for ND Ph. I - \$550,000**
The project sponsor requested a cost-share for a cooperative effort between DWR, the Natural Resources Conservation Service, and the United States Geological Survey to enhance water resource data across North Dakota. After discussion, the request will be on the regular agenda.
- **Ward County WRD: Ward County Low Head Dams - \$262,117**
The project sponsor requested a cost-share at 75 percent reimbursement for a cost increase in construction costs. After discussion, the request will be on the regular agenda.

Director Haase recessed the meeting at 2:04 PM.

Director Haase reconvened the meeting at 2:10 PM.

Water Supply

Julie Prescott, DWR Engineer Manager, presented the following municipal and rural water supply projects to be presented at the December Commission meeting.

- **Cass Rural Water Users District: 2026 System Improvements - \$305,220**
The project sponsor requested a cost-share at 75 percent reimbursement for preconstruction costs. After discussion, the request will be on the regular agenda.
- **Greater Ramsey Water District: South System Phase II Expansion - \$551,250**
The project sponsor requested a cost-share at 75 percent reimbursement for preconstruction costs. There was no discussion and the request will be on the **consent agenda**.
- **City of Mandan: Proper NW Improvements - \$163,800**
The project sponsor requested a cost-share at 60 percent reimbursement for preconstruction costs. There was no discussion and the request will be on the **consent agenda**.

- **City of New Town: RO Membrane Water Treatment Plant - \$1,740,000**
The project sponsor requested a cost-share at 60 percent reimbursement for preconstruction costs. After discussion, the request will be on the regular agenda.
- **Fort Berthold Rural Water: Parshall to White Shield Regionalization - \$460,050**
The project sponsor requested a cost-share at 75 percent reimbursement for construction costs. After discussion, the request will be on the regular agenda.
- **City of Valley City: NW Standpipe Replacement Project - \$2,519,214**
The project sponsor requested a cost-share at 60 percent reimbursement for construction costs. There was no discussion, and the request will be on the regular agenda.
- **East Central RWD: Hillsboro Area WTP Expansion - \$17,990,722**
The project sponsor requested a cost-share at 75 percent reimbursement for construction costs. There was no discussion, and the request will be on the regular agenda.
- **East Central RWD: Hillsboro Area: Supply, Transmission, Distribution - \$9,742,005**
The project sponsor requested a cost-share at 75 percent reimbursement for a cost increase on construction costs. After discussion, the request will be on the regular agenda.

There being no further items of discussion, the meeting adjourned at 2:40 PM.

Respectfully submitted,

Shana L. Brost, Executive Assistant

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: Operation Safe Flow – Low Head Dam Mitigation Initiative
DATE: November 25, 2025



Background

Since the spring of 2019, the State Water Commission (SWC) has placed greater emphasis on mitigating public safety hazards associated with low head dams. As part of that increased attention, staff were directed by the SWC to develop an inventory of low head dams throughout the state, and a process to rank dams in the inventory based on risks to human safety. Both of those objectives were completed by the fall of 2019. The latest prioritized inventory includes a total of 112 low head dams. Low head dams in the inventory with a risk rating of 3 or higher (53 dams) are attached.

To further support mitigation of safety hazards at low head dams, the SWC has designated “mitigation of low head dam roller effects” as a high priority in its Project Prioritization Guidance; the Department of Water Resources offers free signs to dam owners – warning the public about drowning hazards associated with low head dams; and current cost-share policy offers up to 75% from the state to advance low head dam mitigation projects (for both pre-construction and construction).

Since 2019, five low head dam mitigation construction projects have been initiated and completed (or substantially completed) in the state. The DWR currently has active agreements for pre-construction or construction efforts at an additional 12 low head dams. Despite the aforementioned projects, the state continues to see slower progress toward low head dam mitigation efforts than desired. In addition, deaths have continued to tragically occur, with the most recent in 2024 at Fort Ransom Dam.

New Proposed Initiative – Operation Safe Flow

To improve public safety around low head dams and to enhance outdoor recreation opportunities as an added benefit at those locations – Operation Safe Flow (OSF) is being proposed as a new initiative. One of the key challenges to be addressed by OSF is the ability of the dam owner, typically a city or local water board, to secure their portion of project funding. In addition, to address affordability, the sponsor will be presented options that have been specifically developed as least cost alternatives. In the initial launch of OSF, DWR is proposing to:

1. Work with low head dam owners to identify approximately four dams with higher risk ratings to participate in this initiative.

November 25, 2025

2. Develop and seek responses to a Request for Qualifications (RFQ) in order to select a single engineering firm to specifically design least cost alternatives to mitigate roller effects at the selected dams.
3. Design would be completed to 30% - with the intent of identifying feasible least cost alternative options at the identified locations.
4. Pending funding approval from the SWC, DWR would cover 100% of the cost to get the 30% preconstruction designs completed for the selected dams.

With DWR team members working with the selected engineer to specifically identify feasible least cost options, it is anticipated that more projects could move forward faster, with greater buy-in from local sponsors.

After this initial work is completed and alternatives have been identified, which likely will include either removal of the dam or installation of rock wedges, dam owners would have multiple options to consider.

- If anticipated costs are below the public improvement threshold of \$250,000, the DWR construction team could be used to complete projects at reduced costs.
- DWR's staff could manage the projects on behalf of the sponsors if it is desired.
- Project sponsors might choose to advance projects under existing SWC Cost-Share Program policy (or 75% cost-share).
- Project sponsors might choose to not do any additional work. DWR will mitigate this risk by identifying project sponsors who are committed to moving projects forward.

This new initiative will require SWC approval of funding for the selected engineer's work from the RFQ effort. A draft of the RFQ was provided to Commission members for review and comment, with the final draft, including necessary adjustments provided to the Commission in advance of the December 16, 2025, meeting. The intent of the RFQ is to solicit responses from vendors that can assist with the first phase of the OSF initiative. After the RFQ process is completed, DWR team members will provide an update at the January Pre-Commission meeting, followed by a request to fund the OSF effort at the February Commission meeting.

I recommend the proposed RFQ be approved and posted with any additional suggested changes to solicit proposals from potential vendors.

DWR Low Head Dam Inventory: Risk Rating 3-5

Dam Name	Risk Rating	Owner
Grafton Railroad Dam	5	City
Yegan Dam	5	Apple Creek C. Club
Portland Dam	5	City of Portland
Pembina City Dam	5	City of Pembina
Wild Rice Dam (Cass County)	5	SE Cass WRD
LaMoure City Dam	5	LaMoure County WRD
Minto Dam	5	City of Minto
Arvilla Park Dam	5	Grand Forks WRD
139-064-01 Dam	5	Unknown
Crystal Dam	5	Pembina Co WRD
Mott City Dam	5	City of Mott
Fort Ransom Dam	5	Ransom Co WRD
Valley City Mill Dam	5	City of Valley City
Soldiers Home Dam	5	ND Vet. Home
Jamestown Ice House Dam	5	City of Jamestown?
East Broadway Dam	4	City of Dickinson
Lisbon Dam	4	City of Lisbon
Vigness Dam	4	City of Grafton
Brown Dam	4	Barnes County WRD
ND No Name Dam 227	4	Maple River WRD
Crystal Water Supply Dam	4	City of Crystal
Long Creek Dam	4	City of Crosby
Hanson Dam	4	Richland Co WRD
Manns Dam	4	City of Dickinson
Burlington City Park Dam	4	City of Burlington
Ueland Dam	4	City of Cooperstown
144-089-23 Dam	4	City of Zap?
132-077-12 Dam	4	Unknown
153-080-22 Dam	4	Unknown
Eddy County Dam	4	Unknown
Forness Dam	4	Richland Co WRD
Tatley Dam	4	Burleigh Co WRD
Walhalla Dam	4	Pembina Co WRD
Oak Park Dam	4	Ward County WRD
Ramstad Dam	4	Ward County WRD
Big Roosevelt Dam	4	Ward County WRD
Burlington Dam 3	4	City of Minot
Rose Coulee Dam	3	City of Fargo
Bjornson Park Dam	3	Unknown
139-081-33C Dams	3	Unknown USGS?
Grafton Water Supply Dam	3	Unknown
137-050-33 Dam	3	USGS
132-059-28 Dam	3	USGS
138-079-09 Dam	3	USGS
155-083-17 Dam	3	USGS
134-094-18 Dam	3	USGS
152-050-32 Dam	3	Unknown
152-050-29 Dam	3	Unknown
Hoople Dam	3	Walsh Co WRD
Manvel Dam	3	GF Co WRD
Rock Dam 1 (JC Saylor NWR)	3	USFWS
Souris Court Dam	3	Ward County WRD
Eastside Estates Dam 2	3	City of Minot
Eastside Estates Dam 3	3	City of Minot

TO: Lt. Governor Michelle Strinden & North Dakota Water Commission Members
FROM: Reice Haase, Director-Secretary
SUBJECT: Financial Updates
DATE: December 16, 2025



Glossary

The updated glossary of terms is attached on pages 2-3.

2025–2027 Resources Trust Fund

Oil extraction tax deposits total \$63,190,130 estimated through November 2025 for the 2025-27 biennium. This is \$352,533 over the projected biennium revenue of \$62,837,596 through November 2025. Pages 4-5 of your packet have line charts showing the deposits into the Resources Trust Fund month by month and cumulative to date and how they track with the projection. Page 6 of your packet has a breakdown of our monthly deposits with the net revenue projection of \$354,510,000 for the biennium. The last column in blue shows the cumulative amount over projection that will be transferred to the Water Projects Stabilization Fund in accordance with House Bill 1020.

Page 7 is a flowchart that shows 20.5% of the Oil Extraction Tax that goes into the Resources Trust. The 0.5% allocation, which will sunset once \$128,740,000 has been accumulated, has gathered \$32.3 million through November 2025.

2025-2027 Purpose Funding Summary

Page 8 provides the bucket report, illustrating appropriations versus approvals for each purpose funding line. The navy-blue bars indicate the total appropriated amounts, and the light-blue bars show the corresponding amounts that have been approved. Pages 9-10 outline the specific funding buckets that would support the current cost-share requests.

Project Summary Reports

The November 2025 project summary report is attached on pages 11-12. Pages 11-12 shows carryover in yellow, new appropriations in green, and the total appropriation in dark blue. Approvals are shown in light blue. The unobligated appropriation is shown in teal for all funding sources.

Page 13 shows the 2025-2027 expenditures and unpaid approvals as of November 30, 2025. The blue shows the total approved which ties to the blue on page 12, the gray shows the unpaid approvals, and the red shows the expenditures.

Glossary of Terms

Allocated-To apportion for a specific purpose. To set apart or earmark.

Anticipated Construction Request-Potential construction requests for prior approved and current projects.

Appropriation-Specifies the amount of funds to be used for a particular purpose during a period of time, normally one biennium.

Original-Legislative authorization to expend.

Current-Requesting authorization to allocate funds.

Unobligated-Funding available to be obligated to a project.

Appropriation Authority-Legislative authority in an Appropriation Act for an agency to expend funds.

Appropriation Bill-A bill which appropriations are given legal effect.

Approved-Funds approved and allocated by the State Water Commission.

Beginning Balance-Resource Trust Fund cash balance that carries over from the previous biennium. This information is provided by Legislative Council and includes carryover and funds not approved or allocate by the State Water Commission.

Carryover Funds-Approved funds unpaid during the current biennium which are transferred to the appropriation for the following biennium.

Carryover Projects-Projects approved but not finished by the end of the current biennium. The time is limited to 2 years after the end of the current biennium, 6/30/21, unless approved by the State Water Commission to continue past that date.

Cash-Resource Trust Fund money received and not allocated to a specific appropriation purpose.

Cost Increase-Funding needed above original cost estimate.

De-Obligation-Funds released from project allocation made from the current biennium appropriation.

Expenditure-Payment or funds spent.

Obligation-Funds allocated from current biennium appropriation to pay based on a contract.

Unexpended-Not yet spent or paid.

Turnback-Carryover funds released from prior biennium from a project allocation.

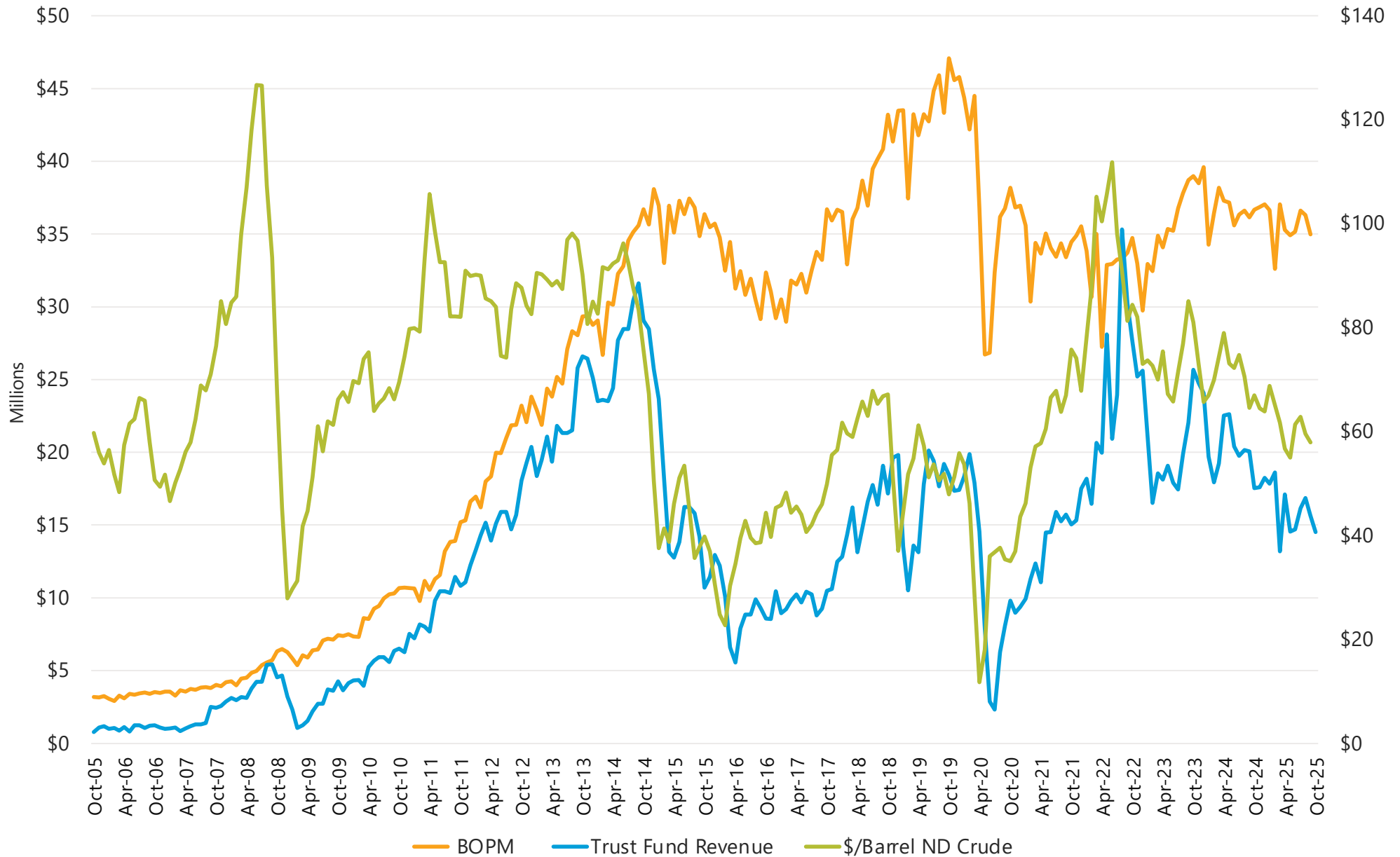
Unobligated Carryover-Previous biennium funding, not associated with a project released to the Resource Trust Fund.

Unpaid Approval-A commitment to an expense at a future date.

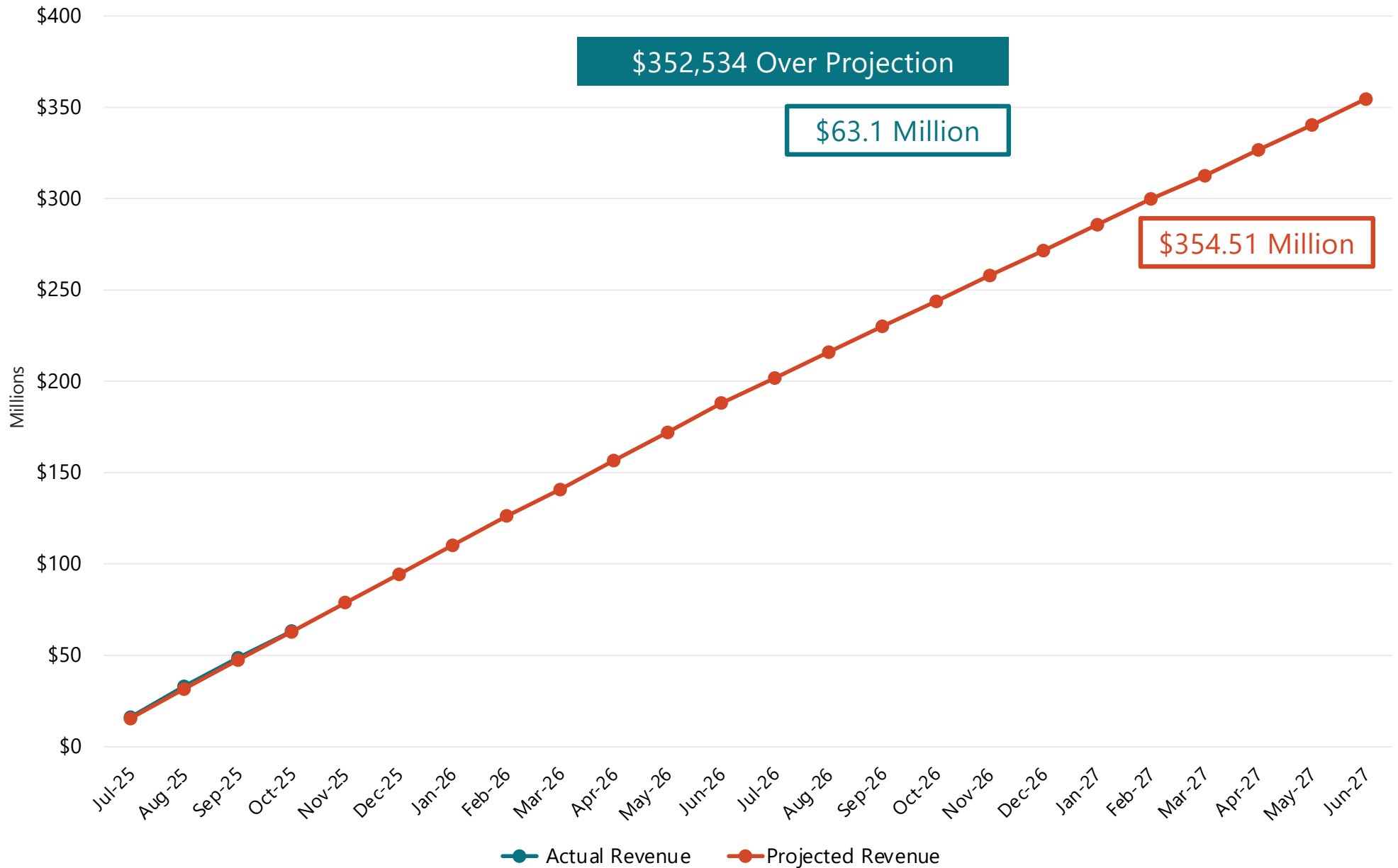
Water Infrastructure Revolving Loan Fund (WIRLF) Eligibility-Approval by the State Water Commission of the eligibility of projects to apply for a Water Infrastructure Revolving Loan in compliance with cost share and statutory authority. Final loan approval is by the Bank of North Dakota.

RESOURCES TRUST FUND REVENUE

OCTOBER 2005 - OCTOBER 2025



RESOURCES TRUST FUND REVENUE

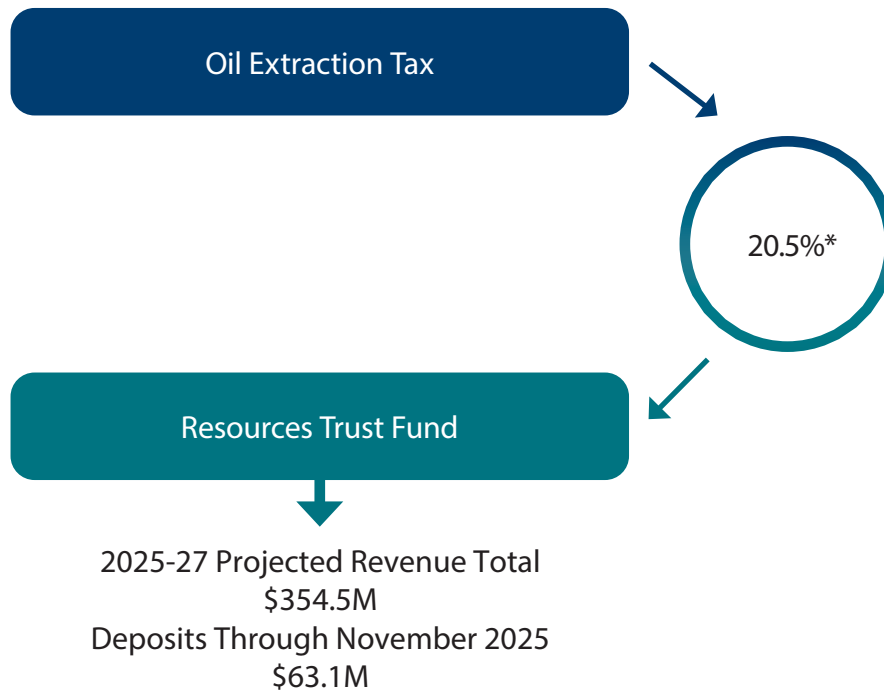


OIL EXTRACTION REVENUE
FOR THE 2025 - 2027 BIENNIUM

MONTH / YEAR	PROJECTED				ACTUAL			
	REVENUE	ENERGY CONS. ¹ ALLOCATION	RENEWABLE ¹ ALLOCATION	RESOURCES TRUST FUND ALLOCATION	REVENUE	TRANSFERS TO ¹ ENERGY CONS.	TRANSFERS TO ¹ RENEWABLE	RESOURCES TRUST FUND NET DEPOSIT
AUGUST, 2025	\$15,451,868	\$77,259	\$463,556	\$14,911,053	\$16,148,028	\$80,740	\$484,441	\$15,582,847
SEPTEMBER, 2025	15,966,930	79,835	479,008	15,408,087	16,860,051	84,300	505,802	16,269,949
OCTOBER, 2025	15,966,930	79,835	479,008	15,408,087	15,666,756	78,334	470,003	15,118,420
NOVEMBER, 2025	15,451,868	77,259	463,556	14,911,053	14,515,295	72,576	435,459	14,007,259
DECEMBER, 2025	15,966,930	79,835	479,008	15,408,087				
JANUARY, 2026	15,451,868	77,259	463,556	14,911,053				
FEBRUARY, 2026	15,966,930	79,835	172,308	15,714,787				
MARCH, 2026	15,966,930	79,835		15,887,095				
APRIL, 2026	14,421,746	72,109		14,349,637				
MAY, 2026	15,966,930	79,835		15,887,095				
JUNE, 2026	15,451,868	77,259		15,374,609				
JULY, 2026	15,966,930	79,835		15,887,095				
AUGUST, 2026	13,685,940	68,430		13,617,510				
SEPTEMBER, 2026	14,142,138	70,711		14,071,427				
OCTOBER, 2026	14,142,138	70,711		14,071,427				
NOVEMBER, 2026	13,685,940	50,158		13,635,782				
DECEMBER, 2026	14,142,138			14,142,138				
JANUARY, 2027	13,685,940			13,685,940				
FEBRUARY, 2027	14,142,138			14,142,138				
MARCH, 2027	14,142,138			14,142,138				
APRIL, 2027	12,773,546			12,773,546				
MAY, 2027	14,142,138			14,142,138				
JUNE, 2027	13,685,940			13,685,940				
JULY 2027-JUNE REVENUE	14,142,138			14,142,138				
TOTALS	\$354,510,000	\$1,200,000	\$3,000,000	\$350,310,000	\$63,190,130	\$315,951	\$1,895,704	\$60,978,475

¹ Transfers to the renewable energy development fund and the energy conservation grant fund are established in North Dakota Century Code Section 57-51.1-07.

RESOURCES TRUST FUND REVENUE

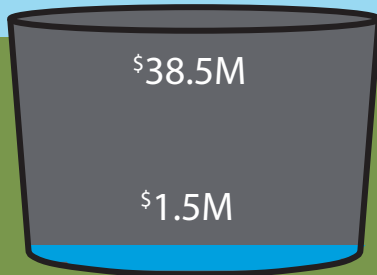


*Through November 2025, \$32,325,060 has accumulated as a result of the additional 0.5% of oil extraction tax.

2025-27 PURPOSE FUNDING

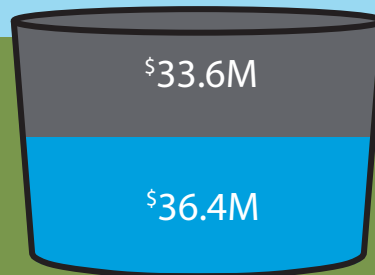
JULY 2025-NOVEMBER 2025

\$40M



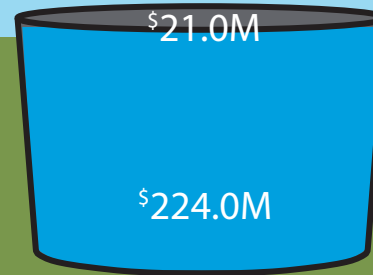
Water Supply
(Municipal)

\$70M



Water Supply
(Rural)

\$245M



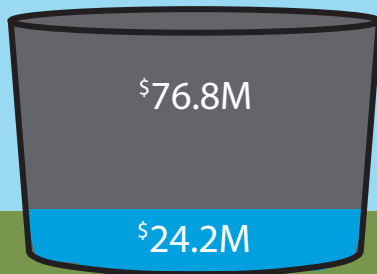
*Regional Water Supply

\$117.6M



Flood Control Projects

\$101M



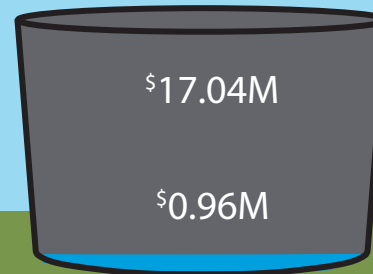
*SWPP

\$12.59M



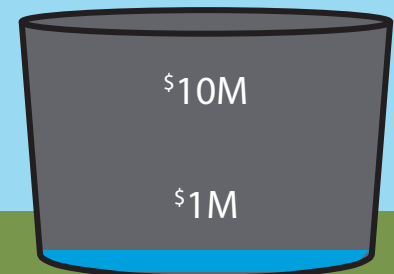
NAWS

\$18M



General Water

\$10M



Discretionary Funds

APPROVED

UNOBLIGATED

*SWPP bucket includes \$50M line of credit

Note: A \$210M line of credit was provided for all other water projects.

**PURPOSE FUNDING SUMMARY
State Water Commission Cost-Share
for December 16, 2025**

2025-2027 Unobligated Appropriation 11-30-25	Carryover Turnback 06-30-25
---	--

Flood Control		Unobligated Appropriation	\$ 117,600,000	\$ 29,690,997
		Cost-Share		
1				
2				
		Current Requests	\$ -	\$ -
		Estimated Unobligated Appropriation =	\$ 117,600,000	\$ 29,690,997

General Water		Unobligated Appropriation	\$ 17,431,269	\$ 796,736
		Cost-Share		
Other	1	K-1: DWR: 3D Hydrography Program for ND Ph. 1		\$ 550,000
Cost Increase	2	K-2: Ward Co. WRD: Ward County Low Head Dams	\$ 262,117	
		Current Requests	\$ 262,117	\$ 550,000
		Estimated Unobligated Appropriation =	\$ 17,169,152	\$ 246,736

Water Supply - Municipal		Unobligated Appropriation	\$ 38,483,171	\$ 1,038,464
		Cost-Share		
Pre/Construction	1	J-2: City of Mandan: Proper NW Improvements		\$ 163,800
Pre/Construction	2	L-2: City of New Town: RO Membrane Water Treatment Plant	\$ 1,740,000	
Construction	3	L-4: City of Valley City: NW Standpipe Replacement Project	\$ 2,519,214	
		Current Requests	\$ 4,259,214	\$ 163,800
		Estimated Unobligated Appropriation =	\$ 34,223,957	\$ 874,664

Water Supply - Rural		Unobligated Appropriation	\$ 33,582,080	\$ 703,755
		Cost-Share		
Pre/Construction	1	J-1: Greater Ramsey Water Dist.: South System Phase II Expansion		\$ 551,250
Pre/Construction	2	L-1: Cass Rural WUD: 2026 System Improvements	\$ 305,220	
Construction	3	L-2: Fort Berthold Rural Water: Parshall to White Shield Regionalization	\$ 693,964	
Construction	4	L-5: East Central RWD: Hillsboro Area WTRP Expansion	\$ 17,990,722	
Cost Increase	5	L-6: East Central RWD: Hillsboro Area - Supply, Transmission, Dist.	\$ 9,742,005	
		Current Requests	\$ 28,731,911	\$ 551,250
		Estimated Unobligated Appropriation =	\$ 4,850,169	\$ 152,505

Regional Water Supply		Unobligated Appropriation	\$ 20,973,450	\$ 282,459
		Cost-Share		
1				
2				
		Current Requests	\$ -	\$ -
		Estimated Unobligated Appropriation =	\$ 20,973,450	\$ 282,459

**PURPOSE FUNDING SUMMARY
State Water Commission Cost-Share
for December 16, 2025**

2025-2027 Unobligated Appropriation 11-30-25	Carryover Turnback 06-30-25
---	--

Discretionary		Unobligated Appropriation	\$ 9,001,707	\$ 1,574,139
		Cost-Share		
1				
2				
		Current Requests	\$ -	\$ -
		Estimated Unobligated Appropriation =	\$ 9,001,707	\$ 1,574,139

State Owned Projects				
SWPP			Cost-Share	
		Unobligated Appropriation	\$ 89,818,797	\$ -
1	H-4: Fund Allocation		\$ 12,987,500	
2				
		Current Requests	\$ 12,987,500	\$ -
		Estimated Unobligated Appropriation =	\$ 76,831,297	\$ -
NAWS				
		Unobligated Appropriation	\$ 12,598,990	\$ 4,439,492
1				
2				
		Current Requests	\$ -	\$ -
		Estimated Unobligated Appropriation =	\$ 12,598,990	\$ 4,439,492
Devils Lake Outlets				
		Unobligated Appropriation	\$ 1,000,000	\$ 1,800,000
1				
2				
		Current Requests	\$ -	\$ -
		Estimated Unobligated Appropriation =	\$ 1,000,000	\$ 1,800,000
Unobligated Appropriation for Purpose and State Owned Projects			\$ 340,489,464	\$ 40,326,042
Current Requests			\$ 46,240,742	\$ 1,265,050
Estimated Unobligated Appropriation =			\$ 294,248,722	\$ 39,060,992
Total Current Requests			\$	47,505,792

**DEPARTMENT OF WATER RESOURCES
PROJECT SUMMARY
2025-2027 BIENNIUM**

November 30, 2025

	2023-2025 CARRYOVER	2025-2027 APPROPRIATION	TOTAL	SWC/Secretary APPROVED	UNOBLIGATED APPROPRIATION
MUNICIPAL WATER SUPPLY:					
MUNICIPAL WATER SUPPLY	107,327,557	1,516,829	108,844,386	108,844,386	0
UNOBLIGATED MUNICIPAL/REG WATER SUPPLY	1,038,464	38,483,171	39,521,635		39,521,635
Total	108,366,022	40,000,000	148,366,022	108,844,386	39,521,635
% OBLIGATED		4%	73%		
RURAL WATER SUPPLY:					
RURAL WATER SUPPLY	41,322,812.78	36,417,920.00	77,740,732.78	77,740,733	0
UNOBLIGATED RURAL WATER SUPPLY	703,755	33,582,080	34,285,835		34,285,835
Total	42,026,567	70,000,000	112,026,567	77,740,733	34,285,835
% OBLIGATED		52%	69%		
REGIONAL WATER SUPPLY:					
RED RIVER VALLEY	111,932,148	205,000,000	316,932,148	316,932,148	0
WESTERN AREA WATER SUPPLY	19,052,741	19,026,550	38,079,291	38,079,291	0
UNOBLIGATED REGIONAL WATER SUPPLY	282,459.40	20,973,450	21,255,909		21,255,909
Total	131,267,349	245,000,000	376,267,349	355,011,440	21,255,909
		91%	94%		
FLOOD CONTROL:					
MOUSE RIVER	80,242,435	0	80,242,435	80,242,435	0
MOUSE RIVER HB1431 BOND PROCEEDS	16,089,452	0	16,089,452	16,089,452	0
VALLEY CITY	19,285,671	0	19,285,671	19,285,671	0
LISBON	124,974	0	124,974	124,974	0
OTHER FLOOD CONTROL	7,526,731	0	7,526,731	7,526,731	0
PROPERTY ACQUISITIONS	0	0	0	0	0
UNOBLIGATED FLOOD CONTROL	29,690,997	117,600,000	147,290,997		147,290,997
Total	152,960,259	117,600,000	270,560,259	123,269,262	147,290,997
% OBLIGATED		0%	46%		
SUBTOTAL	447,482,682	490,988,000	938,470,682	677,888,302	260,582,381

**DEPARTMENT OF WATER RESOURCES
PROJECT SUMMARY
2025-2027 BIENNIUM**

November 30, 2025

	2023-2025 CARRYOVER	2025-2027 APPROPRIATION	TOTAL	SWC/Secretary APPROVED	UNOBLIGATED APPROPRIATION
BASINWIDE PLAN IMPLEMENTATION:					
BASINWIDE PLAN IMPLEMENTATION	410,367	0	410,367	410,367	0
UNOBLIGATED BASINWIDE PLAN IMPLEMENTATION	0	0	0		0
Total	410,367	0	410,367	410,367	0
% OBLIGATED		0%	100%		
GENERAL WATER:					
GENERAL WATER - OTHER	9,583,791	513,000	10,096,791	10,096,791	0
GENERAL WATER - CONVEYANCE	2,481,959	443,731	2,925,690	2,925,690	
UNOBLIGATED GENERAL WATER	796,736	17,431,269	18,228,005		18,228,005
Total	12,862,485	18,388,000	31,250,485	13,022,481	18,228,005
% OBLIGATED		3%	32%		
DISCRETIONARY FUNDING:					
DISCRETIONARY FUNDING PROJECTS	11,650,532	998,293	12,648,825	12,648,825	0
UNOBLIGATED DISCRETIONARY	1,574,139	9,001,707	10,575,846		10,575,846
Total	13,224,671	10,000,000	23,224,671	12,648,825	10,575,846
% OBLIGATED		10%	54%		
STATE OWNED PROJECTS:					
SWPP	74,005,596	24,168,203	98,173,799	98,173,799	0
UNOBLIGATED SWPP	0	76,831,797	76,831,797		76,831,797
Total	74,005,596	101,000,000	175,005,596	98,173,799	76,831,797
NAWS	28,739,687	0	28,739,687	28,739,687	0
UNOBLIGATED NAWS	4,439,492	12,598,990	17,038,482		17,038,482
Total	33,179,179	12,598,990	45,778,169	28,739,687	17,038,482
DEVILS LAKE OUTLET	8,717	0	8,717.30	8,717	
UNOBLIGATED DEVILS LAKE OUTLET	1,800,000	1,000,000	2,800,000		2,800,000
Total	1,808,717	1,000,000	2,808,717	8,717	2,800,000
STATE OWNED SUBTOTAL	108,993,492	114,598,990	223,592,482	126,922,203	96,670,279
% OBLIGATED		21%	57%		
TOTAL	570,111,213	615,586,990	1,185,698,203	817,869,697	367,828,506

**DEPARTMENT OF WATER RESOURCES
PROJECT SUMMARY
2025-2027 BIENNIUM**

Nov-25

	SWC/Secretary APPROVED	EXPENDITURES	UNPAID APPROVALS
WATER SUPPLY:			
MUNICIPAL WATER SUPPLY	108,844,386	23,617,537	85,226,849
RURAL WATER SUPPLY	77,740,733	18,597,435	59,143,297
TOTAL	186,585,119	42,214,973	144,370,146
REGIONAL WATER SUPPLY:			
RED RIVER VALLEY	316,932,148	42,635,110	274,297,038
WESTERN AREA WATER SUPPLY	38,079,291	11,067,542	27,011,749
TOTAL	355,011,440	53,702,652	301,308,787
FLOOD CONTROL:			
MOUSE RIVER	80,242,435	20,089,877	60,152,558
MOUSE RIVER HB1431	16,089,452	13,805,781	2,283,671
VALLEY CITY	19,285,671	445,739	18,839,932
LISBON	124,974	0	124,974
OTHER FLOOD CONTROL	7,526,731	731,631	6,795,100
TOTAL	123,269,262	35,073,028	88,196,234
GENERAL WATER:			
WATER CONVEYANCE	2,925,690	259,246	2,666,444
GENERAL WATER	10,096,791	1,774,896	8,321,895
TOTAL	13,022,481	2,034,142	10,988,339
SUBTOTAL	397,691,905	97,660,332	300,031,573
STATE OWNED PROJECTS:			
SWPP CAPITAL ASSETS	98,173,799	3,076,240	95,097,559
NAWS CAPITAL ASSETS	28,739,687	228,127	28,511,560
DEVILS LAKE OUTLET	8,717	0	8,717
TOTAL	126,922,203	3,304,367	123,617,836
DISCRETIONARY FUNDING:			
DISCRETIONARY FUNDING PROJECTS	12,648,825	2,079,036	10,569,789
BASINWIDE PLAN IMPLEMENTATION:			
BASINWIDE PLAN IMPLEMENTATION	410,367	23,476	386,892
TOTALS	817,869,697	138,431,674	679,438,023

M E M O R A N D U M

TO: Lt. Governor Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: 2027 Water Development Plan
DATE: November 25, 2025



Background

NDCC 61-02-01.3 requires that on a biennial basis, the State Water Commission “develop and maintain a comprehensive water development plan organized on a river basin perspective, including an inventory of future water projects for budgeting and planning purposes.”

Notice to Potential Project Sponsors

In compliance with this statutory requirement, the Planning and Education Division will begin the process of developing a 2027 Water Development Plan – focusing on the 2027-2029 biennium and beyond. In late January 2026, staff will send notice to potential project sponsors, directing them to the DWR online submission form which asks for their help in identifying the water development projects and programs they are trying to move forward. As in the past, the input gained from local project sponsors and water managers will become the foundation of the Department of Water Resources’ budget request to the Governor and Legislature.

Commissioner-Hosted Meetings

NDCC 61-02-01.3 also requires the Water Commission to schedule Commissioner-hosted meetings within North Dakota’s major drainage basins. The purpose of the meetings is to promote and encourage local project sponsor participation in the water planning process, and in the agency’s water project development efforts. A total of eight meetings will be held – one in each of the Commissioners’ respective basins.

Next Steps

A timeline of the 2027 Water Development Plan process is attached for your information. We have set a deadline for project information submittals for the end of April. After projects have been submitted, they will then be reviewed and prioritized by staff and presented to Commissioners for final review. A draft inventory will then be developed for Commissioner-hosted meetings and sponsor review.

RH:dp:cd/322

2027 Water Development Plan Timeline & Milestones

Tasks	2026												2027
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
Request Project Information From Sponsors													
Reminder Post-card Mailing, Email, Social Media, Website, The Current Newsletter													
Project Sponsor Information Development and Submittals													
Post-Submittal Deadline Correspondence With Project Sponsors - As Necessary													
Water Commission Project Information Form Reviews													
Commissioner-Hosted Basin Meetings (8 Total) - Project Inventory Made Available For Public Review/Updates													
Project Inventory Updates & Water Development Plan/Dashboard Development													
First Dashboard Updates Posted													
Draft Executive Summary to SWC for Review													
SWC Approval of 2027 WDP Executive Summary & Funding Recommendations													

Process Milestones

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: Pipeline to Deferred Storage Reservoir – Feasibility Criteria Exclusion
DATE: November 26, 2025

The Hebron Rural Expansion Project (Contract 7-5C) is the first phase of the Burt Hebron Rural Expansion Project. Final design for the Hebron Rural Expansion Project has been underway for several months. Attachment 1 shows the general area of the Hebron Rural Expansion Project.

At the October 2024 State Water Commission (SWC/Commission) meeting, the SWC approved defining pipelines that are upstream of a reservoir as Transmission Facilities because pipelines upstream of a reservoir are designed for transmission flow. The SWC also approved pipeline upstream of a reservoir as an exclusion to the maximum cost/Equivalent Service Unit determination in the Southwest Pipeline Project's (SWPP) Feasibility Criteria.

DWR received the attached BW/AECOM memo dated November 21st (Attachment 2) discussing the design details of the Hebron Rural Expansion Project. The Hebron Rural Expansion Project's design indicates that portions of the pipeline (shown with a rectangular box in the attached map – Attachment 3) follows the same alignment of the pipeline to serve North Lake Tschida rural users on a future construction contract. Current design also indicates that a storage reservoir is needed to best serve the Hebron Rural Expansion Project including the Curlew Buttes Pocket area and the future construction project to serve the North Lake Tschida rural users. However, construction of the storage reservoir is not recommended at this time due to the following reasons:

1. Expansion to North Lake Tschida rural users is planned after the Hebron Rural Expansion Project. Final design for that phase has not yet begun.
2. Following completion of construction of the distribution system to serve North Lake Tschida rural customers, comparison of water usage with design is planned to be completed before final design of the storage reservoir. This comparison is

November 26, 2025

necessary since variable water demand patterns will strongly influence storage reservoir sizing and configuration. This is especially important in staff's opinion because of the expected seasonal nature of water use by rural customers around Lake Tschida.

The Burt–Hebron Rural Expansion Project area presents a unique circumstance in which the long-term efficiency of the project is best achieved by constructing the pipeline under discussion based on transmission flow design to a storage reservoir, even with the construction of the reservoir deferred to a later date.

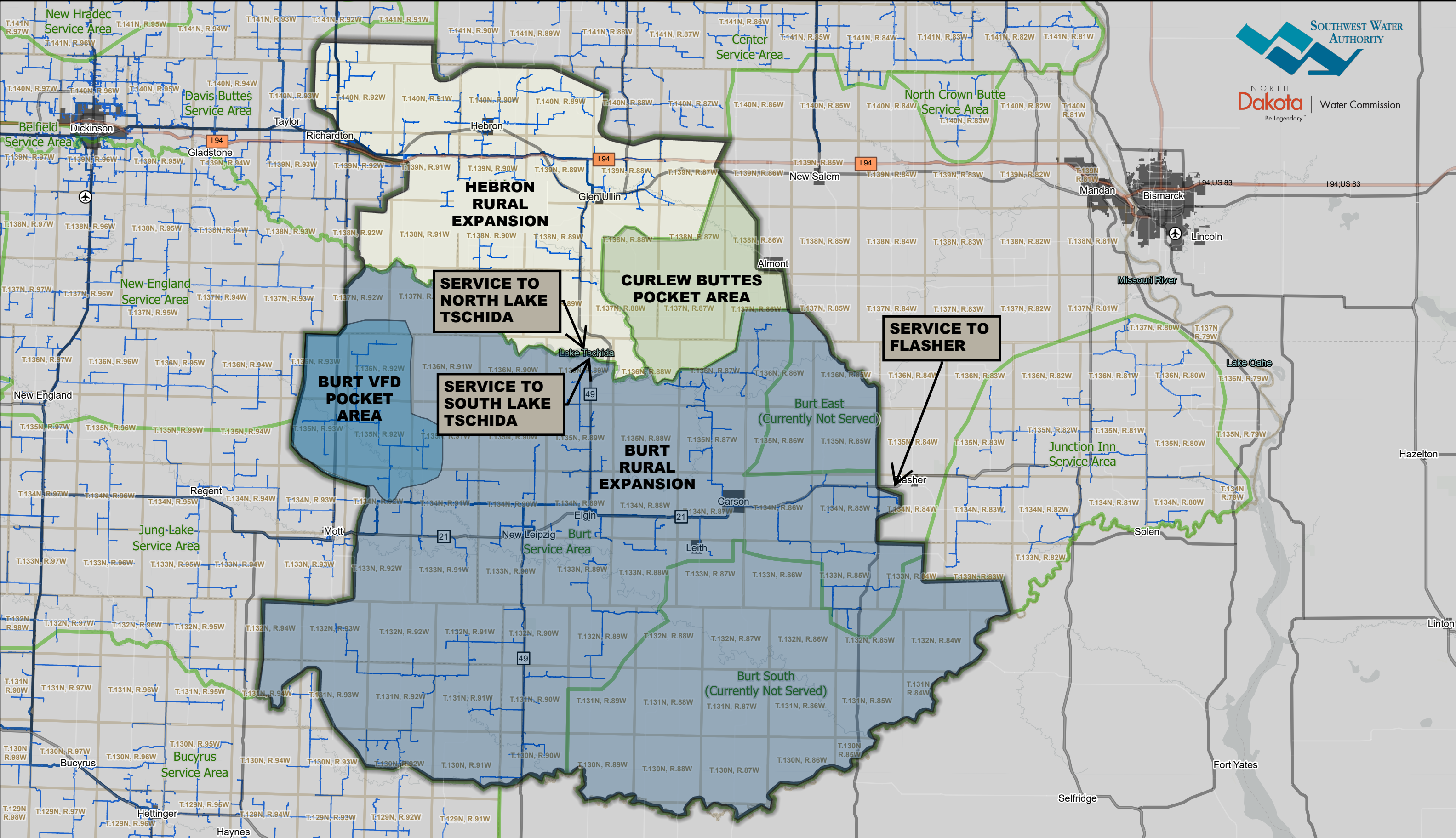
Staff's interpretation of the October 2024 SWC action is that the pipeline to a deferred storage reservoir, designed with transmission flow criteria, is a Transmission Facility and can be excluded from maximum cost per Equivalent Service Unit calculation. Staff welcomes feedback from the Commission on that interpretation. This interpretation enables the project to serve a greater number of rural users than would otherwise be possible.

RH:JF:/1736-99

Attachment 1: Burt Hebron Rural Expansion Map

Attachment 2: BW/AECOM memo dated November 21, 2025

Attachment 3: Hebron Rural Expansion Map



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Southwest Pipeline Project BURT, HEBRON EXPANSION

Bartlett & West | AECOM

TECHNICAL MEMORANDUM

To: Justin Froseth, P.E., SWPP Project Manager, N.D. Dept. of Water Resources (DWR)

From: Tyson Decker, Project Manager, BW/AECOM JV

CC: Jen Murray, Manager/CEO, Southwest Water Authority (SWA)
Sindhuja. S.Pillai-Grinolds, P.E., Director, Water Development Division DWR

Date: October 27, 2025 (Update from August 28, 2025)

Subject: Rural Service Area Expansion in Hebron Service Area, SWPP Contract 7-5C

Background

BW/AECOM is currently working on the final design of the Hebron Rural Area Expansion and is requesting DWR input on determining which sign-up customers are to be included in the final design. BW/AECOM has evaluated all sign-up customers within the Hebron Service Area except for the sign-up customers in the Curlew Buttes Pocket Area and the North Lake Tschida customers. A meeting was held with DWR and SWA staff on August 1, 2025, to review the current status of the project. A discussion was generated in that meeting regarding whether a portion of the pipeline, that would eventually service North Lake Tschida customers, should be included with this project and if those costs should be excluded from the feasibility analysis for sign-up users served by that pipeline in this project area. The service to two specific groups of sign-up users that have been evaluated in the current final design are discussed within this memo relative to water service with and without the pipeline that would ultimately service signups in North Lake Tschida area. One group of users is located in southeastern Stark County and generally located 4-10 miles south of the existing Hebron Reservoir and west of the South Hebron VFD Pocket Area and is shown in Figure 1 below. The second group of users discussed are all the sign-up users that are in the South Hebron VFD Pocket Area. BW/AECOM stated in that meeting that service to the two groups of sign-up users appears to be best served by the future pipeline that will ultimately serve signups in North Lake Tschida area. DWR requested in that meeting that BW/AECOM provide a technical memorandum on this issue explaining the design considerations to serve signups in North Lake Tschida area.

This memo is intended to provide the background design information of both of these groups of users as well as the preliminary design information related to the service of North Lake Tschida area.

SWPP Hebron Rural Service Area Expansion- Southeastern Stark County

The group of users 4-10 miles west of the South Hebron VFD Pocket Area and 4-10 miles south of the existing Hebron Reservoir are serviced through a connection on the existing main distribution piping east of the existing Hebron Reservoir. The final design providing service to these users is shown in Figure 1 below. The location of the proposed connection to the existing piping and the first 5.15 miles are designed to be in the same location as the new pipeline that would service the North Lake Tschida area customers with the only difference being the proposed pipe size is 4" to serve just this group of users. This group of users currently consists of 35.25 Equivalent Service units through the 5.15 miles of 4-6" piping for a project cost of \$3.6 Million. If this area was serviced off an 8" mainline (9.5 miles of 8" PVC excluded), the project cost of the new user piping for this group is \$2.4 million. Evaluating this group of users from a feasibility standpoint, if the entire group as shown in Figure 1 is considered a group of users, the feasibility to serve these users without any mainline exclusions is \$102,327 per ESU and with mainline exclusions, the feasibility is \$67,702.

If the 4" PVC pipeline serving this group of users was excluded as main transmission costs, based on preliminary costs the cost per ESU for this group of users would be below the feasibility threshold of \$75???.

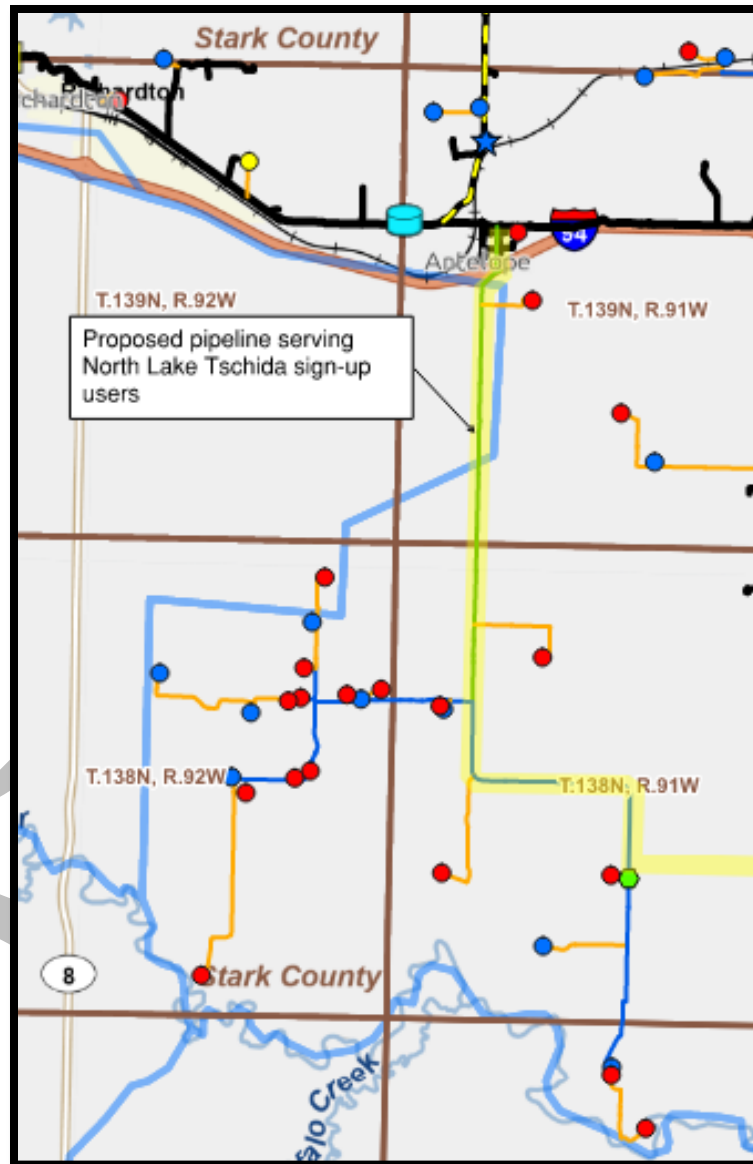


Figure 1

SWPP Hebron Rural Area Expansion- Evaluation of South Hebron VFD Pocket Area

This group of users are generally located southwest of the community of Glen Ullin following the Heart Butte Creek and are shown in Figure 2 below. The cost of service for these sign-up customers was evaluated for service under two scenarios. This first scenario considers serving these new sign-up customers through the existing VFD booster which lends a project cost of \$5.0 million with the improvements shown in Figure 2 below which services 25 ESU's (based off the design dated September 16, 2025). The second scenario considers if these same sign-up customers were to be served through the future North Lake Tschida pipeline. The cost to serve these users under

the second scenario is \$2.7 Million (note that the ESU's now served in this area is 31.75) for the new distribution piping to serve these users and without the future North Lake Tschida pipeline cost included. This design option assumes the existing customers and new signup customers in the southern reach of the pocket area would be isolated and served from the new North Lake Tschida pipeline connection in two locations where the existing rural distribution piping crosses the proposed pipeline. Utilizing the Lake Tschida service line, 19.89 miles of 8" PVC pipeline is required (includes 9.15 miles of 8" PVC that also serves the signup customers in Figure 1) but does not require a future booster station or reservoir to be installed. If service is provided to these customers under scenario 2, the need to upgrade the existing South Hebron VFD Booster would no longer be required and the parallel piping in the South Hebron VFD Pocket Area would be reduced from 23.79 miles down to 7.3 miles.

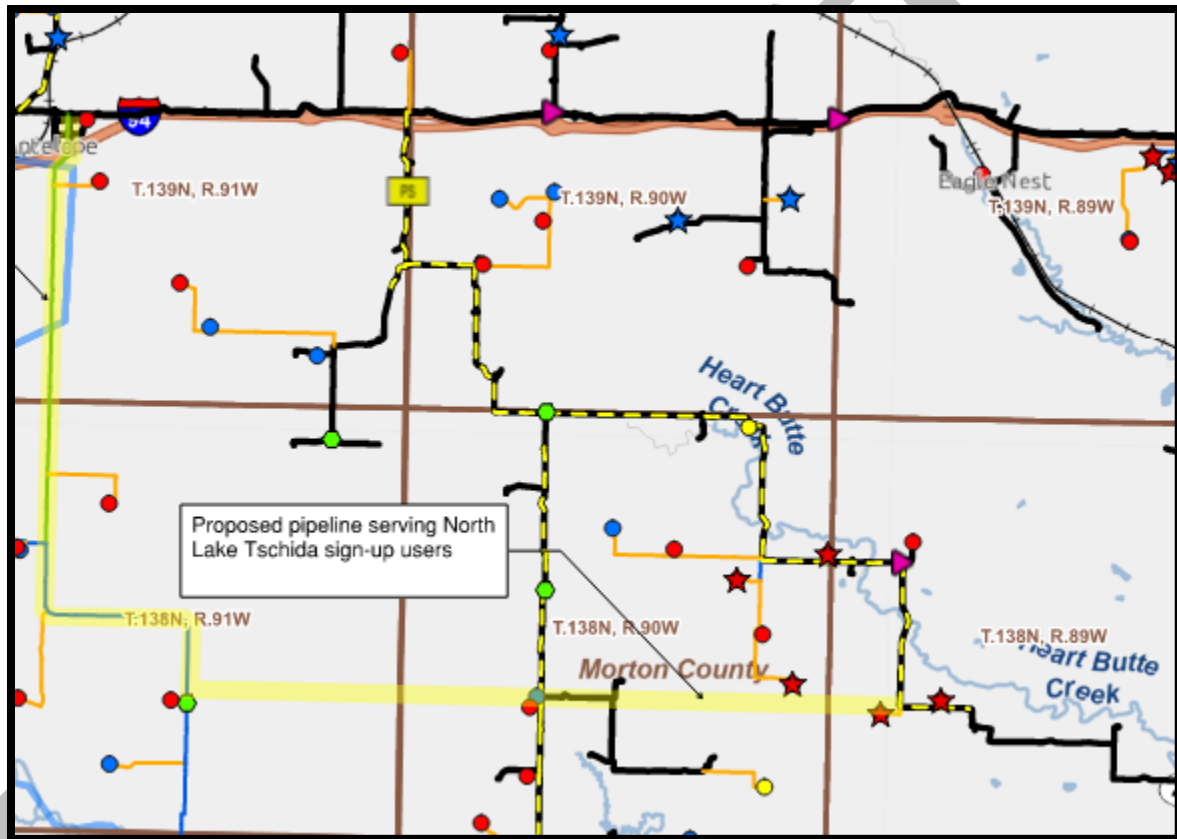


Figure 2

SWPP Hebron Expansion- Service to North Lake Tschida

The preliminary design dated July 31, 2024, to service the North Lake Tschida area consisted of 31.04 miles of 8 or 10" PVC, a 15 hp underground booster station, and distribution piping and appurtenances to service the signup customers located on the north shores of Lake Tschida. This preliminary design was previously distributed to DWR and SWA staff. The design had 190 signup customers (189.5 ESU's) served for a total project cost of \$20.1 million which was over the feasibility threshold at that time. This preliminary design was reviewed and updated by BW/AECOM as part of this memo and currently there are 221 signup customers (220 ESU's) for this area. Additionally, BW/AECOM updated the planning level pricing based on favorable recent bid pricing. The updated project cost is now \$18.5 million for the same preliminary design that was distributed in July 2024 based on the average pricing from the recent bids.

The preliminary design dated July 31, 2024, for service to North Lake Tschida was laid out such that service to these customers would require 10" piping from the connection point just east of the existing Hebron Reservoir through the proposed booster without the elevated reservoir. The preliminary design required 10" PVC to be installed from the proposed tank site to the North Lake Tschida customers. This preliminary design included capacity for the Curlew Buttes Pocket Area as well as capacity for 50% of the 169 future potential customers located in North Lake Tschida. It was also determined that 10" piping prior to the proposed tank site is required without the storage reservoir but could be reduced to 8" PVC with the installation of the storage reservoir. BW/AECOM also previously recommended that a proposed future elevated reservoir could be deferred but would provide long term capacity to handle potential future customers on the northern shores of Lake Tschida and the Curlew Buttes Pocket Area.

The preliminary design based on recent bid pricing now indicates that if 8" piping is installed, this would result in an estimated project cost savings of \$2.1 million dollars if 30 miles of 10" PVC is changed to 8" PVC. This difference in pricing is the estimated cost difference between 8" and 10" PVC. The current project cost for the service to North Lake Tschida is currently at \$16.4 million as project cost assuming only 8" piping is installed, and no elevated storage reservoir is included. Considering this \$16.4 million project cost, the project cost for service to the signup customers on the northern shores of Lake Tschida would be below the feasibility threshold. BW/AECOM has determined that installing 8" PVC without the storage reservoir would serve the current signups but would not provide any future potential capacity or capacity for curlew buttes. Depending on the number of Lake Tschida signups and the included future potential capacity, this design with an 8" PVC pipeline downstream of the tank may need to further discussed and modified.

The preliminary design was intended to allow the proposed pipeline to have a VFD booster that could handle the peak distribution flows of the North Lake Tschida signup customers. Once the future proposed storage reservoir is needed, this pipeline and installed booster station would need to be modified to fill the tank at a constant transmission flowrate. A concern with installing the proposed reservoir with the initial construction is relative to the actual usage of the signup users at North Lake Tschida. It is anticipated that low usage may be observed in the winter months resulting in water age concerns. On the other hand, installing the Lake Tschida Tank would benefit the existing Hebron Reservoir as the new proposed reservoir would be designed to handle the peak equalization storage of customers in this service area and would free up peak equalization in the existing Hebron Reservoir.

Summary

BW/AECOM recommends that DWR consider serving the two pocket areas described above by the proposed North Lake Tschida pipeline. For the group of users in southeastern Stark County, this would require the 4" pipeline be upsized to allow for service to the North Lake Tschida signup users since the proposed pipeline is shown in the same location. For the group of signup users in South Hebron VFD pocket area, this would require 19.89 of the total 31.04 miles of the Lake Tschida proposed pipeline be installed. Comparing the project costs of the 19.89 miles of 8" PVC piping (with recent bid pricing) to the South Hebron VFD Booster Station upgrades, the project cost for the 8" PVC would be approximately \$5.1 million while upgrading the existing South Hebron VFD Booster Station and parallel pipeline improvements that are approximately \$2.3 million dollars.

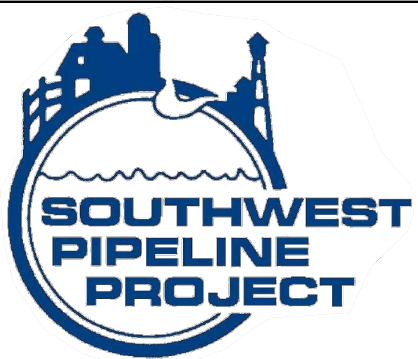
BW/AECOM has reviewed and updated the preliminary design for the service to North Lake Tschida signup users. In all design scenarios, the proposed pipeline to the North Lake Tschida signup customers will be designed to handle both peak distribution flowrates and transmission flowrates to the proposed future tank site. BW/AECOM believes this provides some merit for consideration as main transmission pipeline. The installation

of the proposed future reservoir with the initial construction remains a concern regarding usage and water age, and is preferred that this elevated tank be deferred in Construction until some usage history is available.

DRAFT

SOUTHWEST PIPELINE PROJECT

HEBRON RURAL/NORTH LAKE TSCHIDA EXPANSION



LEGEND

PIPELINE

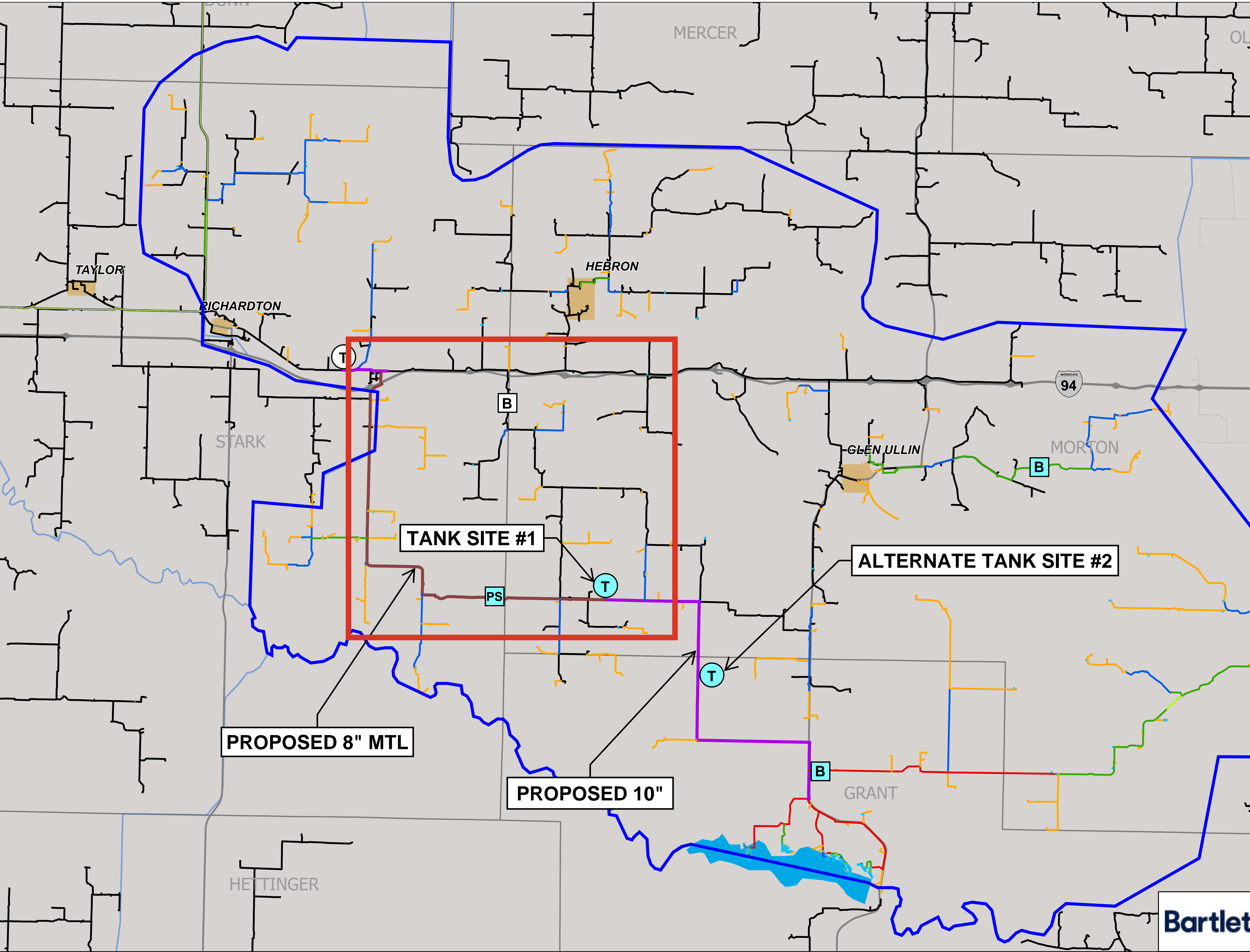
- EXISTING RAW WATER PIPELINE
- EXISTING SWWP PIPELINE
- EXISTING MWWS PIPELINE
- PROPOSED 1-1 1/2" PIPELINE
- PROPOSED 2" PIPELINE
- PROPOSED 3" PIPELINE
- PROPOSED 4" PIPELINE
- PROPOSED 6" PIPELINE
- PROPOSED 8" PIPELINE
- PROPOSED 10" PIPELINE

FACILITIES

- EXISTING TANK
- EXISTING VFD BOOSTER STATION
- PROPOSED TANK
- PROPOSED VFD BOOSTER STATION
- PROPOSED MTL BOOSTER STATION


BOUNDARIES

- SERVICE AREA BOUNDARY
- COUNTY BOUNDARY



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MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary 
SUBJECT: SWPP – Capital Repayment, REM Rates and SWA Budget for 2026
DATE: November 26, 2025

Under the agreement for the Transfer of Management, Operations, and Maintenance Responsibilities for the Southwest Pipeline Project (SWPP), (Transfer Agreement) the Southwest Water Authority (SWA) must prepare a budget by December 15 of each year and submit it to the Secretary of the State Water Commission (Commission). This budget is deemed approved unless the SWA is notified of the Commission's disapproval by February 15. The budget for 2026 was received on November 6, 2025.

Water rates are a primary component of the SWA's budgeting process. The Commission approves the Capital Repayment rate and the reserve fund for Replacement and Extraordinary Maintenance (REM) rate explicitly by Commission action.

Capital Repayment Rate:

The Capital Repayment portion of the water rate collected is currently returned to the Resources Trust Fund (RTF) on a monthly basis. An amendment to the Transfer Agreement established the September 1 (August) Consumer Price Index (CPI) as the basis for determining the Capital Repayment rate. The September 1, 2025, CPI adjustment results in a 2.92 percent increase in the Capital Repayment rate for 2026. Based on that adjustment, the Capital Repayment rate for contract customers increases from \$1.51/1,000 gallons to \$1.56/1,000 gallons, rural customers' Capital Repayment rate increases from \$46.16/month to \$47.51/month, and the Capital Repayment rate for SWPP customers that tie into the Missouri West Water System (MWWS) increases from \$36.56/month to \$37.63/month. The SWA Board of Directors approved the 2026 water rates along with the above Capital Repayment rates November 3, 2025. The 2026 budget estimates depositing \$7.3 million in Capital Repayment from all SWPP customers into the RTF.

The SWA's budget proposes \$12.00/1,000 gallons for the SWA Water Depot and oil industry contracts. The oil industry rate for 2026 will remain unchanged from the 2025

November 26, 2025

rate. The Capital Repayment for general oil industry rate will remain at \$4.00/1,000 gallons. For SWA's water depot east of Dickinson, the Capital Repayment rate will remain at \$3.00/1,000 gallons.

REM Rate:

The REM rate adjustment and guidance for using REM funds is not spelled out explicitly in the Transfer Agreement. The Transfer Agreement states that the REM reserve fund shall be accumulated with interest and maintained in an amount to be determined by the Commission and also the Commission shall determine whether or not a proposed project is replacement or extraordinary maintenance.

Action was taken by the Commission in relation to the SWPP REM fund at the August 2022 Commission meeting to provide guidance on the definition of "Replacement" and "Extraordinary Maintenance" in SWPP's REM and the level to which the SWPP's REM fund provides for extraordinary maintenance expenses and replacement expenses for Capital Projects. Based on the sustainability analysis completed by Department of Water Resources staff in consultation with SWA, annual REM rate increases are needed to provide for 100 percent of the extraordinary maintenance expenses and a portion of the replacement expenses for Capital Projects.

In the Transfer Agreement, the base rate for REM was set at \$0.30/1,000 gallons for contract customers and \$0.10/1,000 gallons for rural customers. The rural customers' water rate includes the contract REM rate in addition to the rural REM rate. The REM rate for contract customers was increased to \$0.35/1,000 gallons in 1999. Since then, the REM rate has increased a number of times, ultimately to the 2025 REM rate of \$0.89/1,000 gallons. REM rate history is shown in Figure 1. At the SWA Board meeting on November 3, 2025, the REM rate was increased 8.5%.

Rate	2025 Rate	2026 Rate
Contract - Transmission REM	\$0.89	\$0.97 (+ 8.5%)
Rural – Transmission +Distribution REM	\$1.02	\$1.11 (+ 8.5%)

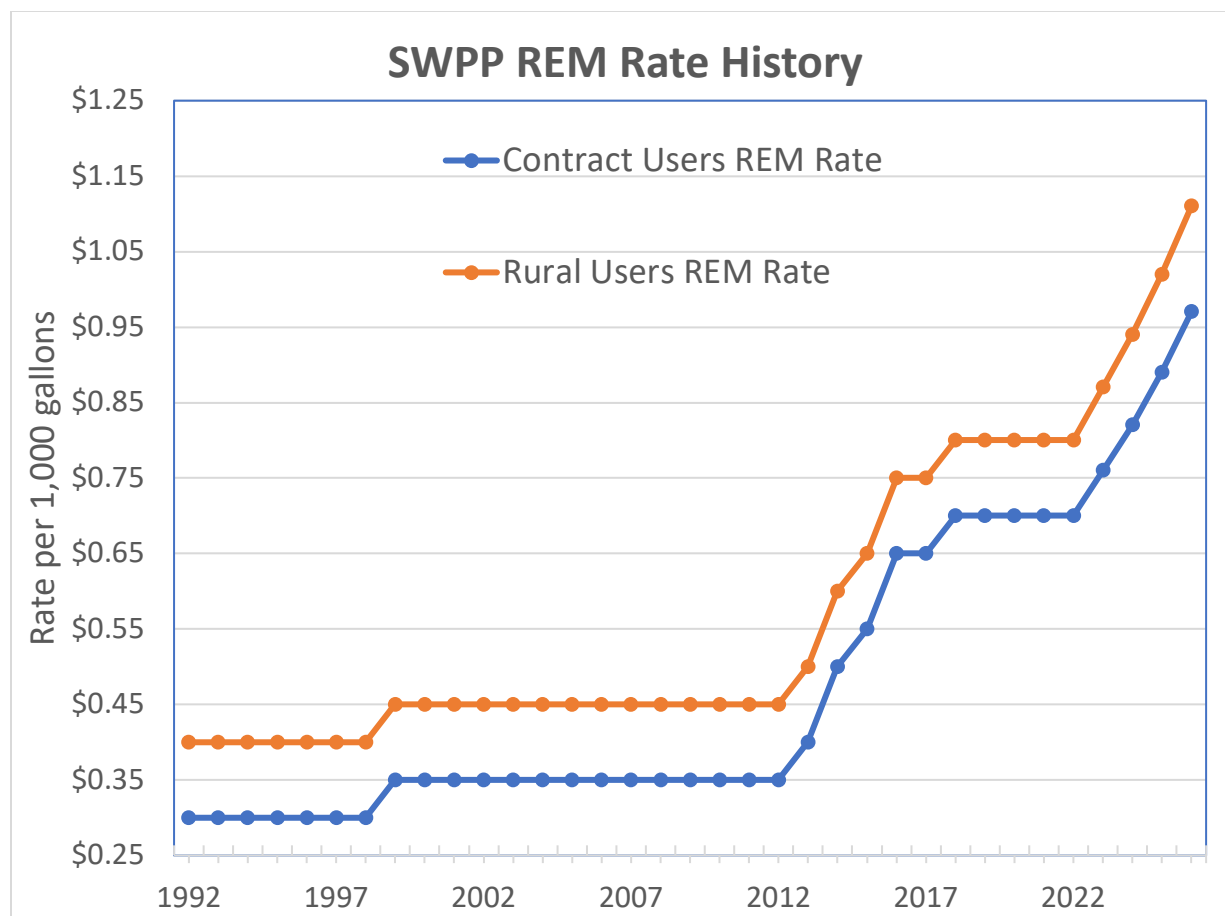


Figure 1: SWPP REM Rate History

DWR staff has consulted with SWA during the 2026 budgeting process and agree with the rate increases approved by the SWA Board. The rate adjustment is in accordance with the REM rate adjustments necessary to meet the REM guidance the Commission approved in August 2022 based on the sustainability analysis completed by DWR staff. The REM rate will need to be evaluated annually to determine if the proposed rate increases are on track to provide for 100 percent of the extraordinary maintenance expenses and a portion of the replacement expenses for Capital Projects.

Included in the SWA's budget is the budget for the REM funds. The estimated beginning balance in REM funds for 2026 is \$28.70 million; estimated income for 2026 is \$3.22 million; and estimated expenses total \$4.44 million, with an estimated year end balance of \$27.48 million.

The budgeted expenses for 2026 from the REM fund include:

November 26, 2025

- \$20,000 for 110 filter cloths at the Residual Handling Facility for the north press
- \$30,000 for the isolation valve on the Reverse Osmosis concentrate discharge line
- \$50,000 for pipeline relocations on the right-of-way
- \$54,000 for (16) ultra filtration secondary filter modules at the Oliver Mercer North Dunn (OMND) Water Treatment Plant (WTP)
- \$65,000 for replacement of 119 1st stage reverse osmosis membranes
- \$100,000 for tank/reservoir repairs
- \$100,000 for ductile iron pipeline investigations & microbiologically induced corrosion leak repairs
- \$175,000 for pump motor, repairs, and replacements
- \$200,000 for cathodic protection close interval survey of metallic pipelines
- \$450,000 for contract PP-2024-1, Highway 85 relocation (portion that is non-reimbursable from North Dakota Department of Transportation)
- \$650,000 for contract CP-2024-1 anode bed replacements
- \$700,000 for New England reservoir recoat
- \$750,000 for OMND WTP roof replacement
- \$1,000,000 for ductile iron line pipeline replacement (local share)

Overall Water Rate:

Based on the 2026 budget approved by the SWA, the SWA's water rate for the contract customers in 2025 will increase from \$5.87/1,000 gallons to \$5.92/1,000 gallons. The increase reflects only the increase due to Capital Repayment. The SWA has elected to absorb REM rate increases for the customers by reducing the Operations and Maintenance (O&M) rate.

The SWA Board approved increasing the minimum monthly rate for rural customers in 2026 to accommodate the Capital Repayment increase. The monthly minimum of \$55.32 in 2025 will increase to \$56.67 in 2026. Similar to the water rate for contract customers, the SWA has elected to keep the total rate increase for the rural customers relatively minimal by absorbing the increase in the REM rate. The breakdown of the monthly minimum for SWA customers in 2026 is \$47.51 towards Capital Repayment and \$9.16 towards the O&M rate, while in 2025 it was \$46.16 towards Capital Repayment and \$9.16 towards the O&M rate. The breakdown of 2026 monthly minimum for SWPP customers who tie into MWWS is \$37.63 towards Capital Repayment and \$19.04 towards the O&M rate.

For a new user, the Commission receives \$5.00 of O&M fee for the first two years, and then it goes to the SWA for fixed O&M. The usage rate for the rural customers in 2026

November 26, 2025

will remain the same at \$6.47/1,000 gallons. Budget projections indicate the SWA will end 2026 with a cash balance that would be sufficient to cover 8.09 months of expenses in their O&M reserve.

Tables below show the summary of the Capital Repayment and REM rates.

Capital Repayment Rates

Customer	2025 Rate	2026 Rate	Change
Contract Customer	\$ 1.51	\$ 1.56	\$ 0.05
SWA Rural Customer	\$ 46.16	\$ 47.51	\$ 1.35
Morton County Customer	\$ 36.56	\$ 37.63	\$ 1.07
Oil Industry Rate - SWA Depot	\$ 3.00	\$ 3.00	\$ -
Oil Industry Rate - Others	\$ 4.00	\$ 4.00	\$ -

REM Rates

Customer	2025 Rate	2026 Rate	Change
Contract Customer	\$ 0.89	\$ 0.97	\$ 0.08
SWA Rural Customer	\$ 1.02	\$ 1.11	\$ 0.09
Morton County Customer	\$ 1.02	\$ 1.11	\$ 0.09
Oil Industry Rate - SWA Depot	\$ 3.00	\$ 3.00	\$ -
Oil Industry Rate - Others	\$ 4.00	\$ 4.00	\$ -


I recommend that the State Water Commission establish 2026 Capital Repayment and REM rates as follows:

Capital Repayment for contract and rural customers: \$1.56 per thousand gallons for contract users, \$37.63 for rural users in Morton County with water service from Missouri West Water System, and \$47.51 per month for other rural users.

Capital Repayment for oil industry contracts: \$3.00 per thousand gallons for Dickinson Water Depot, and \$4.00 per thousand gallons for other oil industry contracts.

REM Rate: \$0.97 per thousand gallons for contract users, \$1.11 per thousand gallons for rural users, \$3.00 per thousand gallons for the SWA's Dickinson Water Depot, and \$4.00 per thousand gallons for other oil industry contracts.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission 
FROM: Reice Haase, Secretary
SUBJECT: SWPP – Reimbursement From Reserve Fund for Replacement and
Extraordinary Maintenance
DATE: November 26, 2025

The Southwest Water Authority (SWA) collects and maintains a reserve fund for "Replacement and Extraordinary Maintenance" (REM). This fund is required by authorizing legislation, and the agreement that transferred the operations and maintenance of Southwest Pipeline Project (SWPP) from the State Water Commission (Commission) to the SWA states that the expenditures from this fund are to be authorized by the Commission. The agreement also states that the reserve fund shall be accumulated with interest and maintained in an amount to be determined by the Commission.

Known REM projects are generally included in the SWA's annual budget, which is approved by the Commission at its December meeting. For projects that arise after the Commission's approval of the budget, SWA consults with staff at the Department of Water Resources (DWR) as to whether or not a project qualifies for use of REM funds. SWA initially funds the construction of REM projects from their operation and maintenance fund and then seeks SWA Board and Commission approval for reimbursement from the REM funds after the project is completed.

The Commission received the attached letter from the SWA dated November 4, 2025, requesting reimbursement of \$718,952.07 from the REM funds. In addition to this letter, SWA provided a document detailing all expenses that make up each request. The document is available upon request (81 pages).

The reimbursement is requested for the following eight items. Items four to eight were not included in the annual budgeting process for the REM fund or specifically approved by the SWA Board of directors but are eligible for reimbursement from the REM fund.

1. Work on the intake generator in the amount of \$136,516.99. The 2025 SWA budget included \$175,000 for intake generator repairs from the REM fund.

SWPP – Reimbursement From Reserve Fund for Replacement and Extraordinary Maintenance

Page 2 of 2

November 26, 2025

2. Intake PB1 rotor rebar work in the amount of \$31,610.19, and the Intake PA1 pump motor rebuild for \$39,082.00. The total amount billed and paid is \$70,692.19. The repairs and replacement were budgeted for \$100,000.00 under the pump motor repairs/replacements in the 2025 budgeting process.
3. SWA Contract PP-2025-1, Ductile Iron Pipeline replacement at Goose Creek, and initial leak repair, in the amount of \$354,533.09. The replacement was approved at the Board of Directors meeting held on December 2, 2024, for \$350,000.00 from the REM fund.
4. The air compressors replacement at the Oliver Mercer North Dunn (OMND) Water Treatment Plant (WTP) for \$24,804.87.
5. Material for the replacement of the variable frequency drive for the reverse osmosis system at the OMND WTP in the amount of \$25,092.54.
6. Work on the ozone system at the Southwest Water Treatment Plant (SWTP) including: sensors, pre-filter, and coalescing elements, relays, and programmable logic controller replacement and reprogramming by Pinnacle Solutions, LLC totalling \$35,976.69.
7. Turbidity meter replacements for the SWTP and OMND WTP in the amount of \$34,934.00.
8. Contract 2-8E, leak repair of 16" PVC and 16"x4" restrained joint tee west of the OMND WTP in the amount of \$36,401.70.

The current balance of the REM fund is \$28,648,195.87 as of September 30, 2025.

I recommend the State Water Commission approve the reimbursement from the reserve fund for Replacement and Extraordinary Maintenance (REM) in the amount of \$718,952.07 for the eight items described above.

RH:JF: /1736-99

Attachment



Our Vision: People and Business Succeeding with Quality Water **Our Mission:** Quality Water for Southwest North Dakota

November 4, 2025

Reice Haase

ND Department of Water Resources

1200 Memorial Highway

Bismarck, ND 58504-5262

RE: Reimbursement from the Reserve Fund for Replacement and Extraordinary Maintenance

Mr. Haase:

Reimbursement from the Replacement and Extraordinary Maintenance Fund is being requested for several items of work.

Work on the intake generator was completed at the beginning of 2025. The amount billed is \$136,516.99 and has been paid. SWA Board approved \$175,000 to be eligible for Replacement and Extraordinary Maintenance fund.

Work was complete in September 2024, the Intake PB1 rotor rebar \$31,610.19, and the Intake PA1 pump motor rebuild for \$39,082.00. Total amount billed and paid is \$70,692.19. Material was purchased for the PA1 in April 2021 based off of information that was obtained during the PA2 and PA3 replacement that occurred 2020. The repairs and replacement were budgeted for \$100,000.00 under the Pump Motor Repairs/Replacements in the 2025 budgeting process.

Work is complete for SWA Contract PP-2025-1, DIP replacement at Goose Creek, and initial leak repair. The total amount billed is \$354,533.09 and has been paid. The replacement was approved at the Board of Directors meeting held on December 2, 2024, for \$350,000.00 for the Replacement and Extraordinary Maintenance fund.

SWA is seeking reimbursement for expenses related to five other items. These items were not specifically included in the budgeting process but qualify as REM eligible.

The Air Compressors have been replaced at the OMND WTP for \$24,804.87 and invoices have been paid in full.

Material for the replacement of the VFD for the RO located at OMND WTP has been acquired and paid for \$25,092.54.

Work is completed on the Ozone System Component replacement at the SWTP including: sensors, pre-filter and coalescing elements, relays, and the PLC replacement and reprogramming by Pinnacle Solutions, LLC totalling \$35,976.69 and has been paid.

Turbidity meter replacements were purchased from HACH for the SWTP and OMND WTP in the amount of \$34,934.00 and the invoice has been paid.

Work is complete in the Contract 2-8 E, leak repair of 16" PVC leak repair and 16" x 4" restrained joint tee west of the OMND WTP. The expenses incurred were \$36,401.70 and have been paid.

The current balance in the Reserve Fund for Replacement and Extraordinary Maintenance is \$28,648,195.87 as of September 30, 2025.

I respectfully request the SWC reimbursement for reimbursement for the Intake generator overhaul, PA1, PB1, SWA Contract PP-2025-1 DIP Replacement at Goose Creek, Air Compressor Replacement at OMND, Replacement VFD for the RO at OMND WTP, and Initial leak repair, SWTP Ozone System Component replacements, Turbidity meter replacements, and the Contract 2-8E Leak repair from the Reserve fund for Replacement and Extraordinary Maintenance, and the release of \$718,952.07 from this fund.

The SWA Board of Directors took similar action at its November 3, 2025 meeting.

If you should have any questions or require further information please let me know.


Kind regards,



Ledeanna S. O'Shields
CFO/Office Administrator
Southwest Water Authority

Enclosures

CC: Jen Murray, Manager/CEO, SWA
Sindhuja S. Pillai-Grinolds, PE, Director of Water Development, DWR
Justin Froseth, PE, SWPP Manager, Water Development Division, DWR

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary 
SUBJECT: Intake Mediation Proceeds – Allocation to Southwest Pipeline Project
DATE: November 26, 2025

All cash proceeds totaling \$12,487,500 from the Supplementary Raw Water Intake project's mediated settlement have now been fully received. As per the executed mediated settlement agreement, the State Water Commission will receive \$500,000 in the form of credit for professional services from Bartlett & West/AECOM.

I recommend the State Water Commission allocate \$12,987,500 to the Southwest Pipeline Project.

RH:JF:/1736-99

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: NAWS – 2026 Water Rate
DATE: November 24, 2025



The Northwest Area Water Supply Project's (NAWS or Project) water service agreements require an annual review and adjustment of water rates which will go into effect January 1 of the following year.

With the delivery of Lake Sakakawea water to the NAWS project expected soon, the Water Supply and Treatment Agreement (S&T Agreement) was developed and executed between the State Water Commission (Commission) and the City of Minot in July 2025. The City of Minot will treat both lake water and ground water and will provide treated water for the NAWS project and the City of Minot. Based on the record of decision for the NAWS project, both lake water and ground water will be used for the Project. The S&T Agreement lays out billing procedures and responsibilities between the City of Minot and the Commission.

The NAWS water rate is calculated based on projected water use and estimated expenses. Water use is projected based on historical use adjusted for recognizable trends or changes in population or operations. New facilities becoming operational requires estimation of expenses.

The NAWS system has two different water rates, one for the City of Minot's connections and the other for NAWS contract customers. NAWS has two connections to the City of Minot's distribution system, one connection at the Minot Air Force Base, and ten connections to North Prairie Regional Water, which are all included in the City of Minot's NAWS rate. NAWS has ten contract customers which include the cities of Berthold, Kenmare, Burlington, Mohall, Sherwood, Westhope, Bottineau, West River, and the rural water systems of Upper Souris Water District and All Seasons Water Users District.

Determination of NAWS Water Rate:

NAWS water rates are comprised of Capital Costs, Ground Water Supply Rate, Lake Water Supply Rate, Treatment Rate, Operation and Maintenance (O&M) costs, and reserve rate for Replacements and Extraordinary Maintenance (REM). The water rate for the City of Minot from the NAWS project includes a Lake Water Supply Rate, O&M rate, and the REM rate. The Ground Water Supply Rate and Treatment Rate for City of Minot customers will be billed

directly by the City of Minot. The water rate for the NAWS contract customers includes Ground Water Supply Rate, Lake Water Supply Rate, Treatment Rate, O&M rate, and REM rate.

Capital Costs:

The Capital Costs portion of the NAWS water rate is covered by Minot's 35% share of construction costs.

Ground Water Supply Rate:

The City of Minot has estimated the 2026 Ground Water Supply Rate to be \$0.52/1,000 gallons. This is an increase from \$0.41/1,000 gallons in 2025.

Lake Water Supply Rate:

The Lake Water Supply Rate estimated based on electrical demand projections and projected supply from Lake Sakakawea resulted in a Lake Water Supply Rate estimation of \$0.28/1,000 gallons. With the substantial completion of the Biota Water Treatment plant expected in fall 2026, and the uncertainty with the projections used in the Lake Water Supply Rate estimation, the 2026 Lake Water Supply Rate is recommended to be the same as the 2026 Ground Water Supply Rate of \$0.52/1,000 gallons. When actual data becomes available, the Lake Water Supply Rate can be estimated with reasonable accuracy.

Treatment Rate:

The City of Minot has estimated the 2026 Treatment Rate to be \$2.30/1,000 gallons. This is a decrease of \$0.29/1,000 gallons from \$2.59/1,000 gallons in 2025.

Operation and Maintenance Rate (O&M Rate):

The O&M rate is broken down into two main components: utility expenses, and operating expenses. The utility expenses for facilities used only for City of Minot connections and NAWS contract customer connections were allocated respectively while the shared facilities were allocated proportionately based on water usage volume.

The operating expenses include professional services, labor, and other miscellaneous expenses such as vehicle mileage, per diems, lodging, insurance, routine maintenance activities, repairs, licensing for various software, and any other expenses incurred on the project. Repairs are an estimate and can vary significantly year to year. Larger repair expenses are usually eligible for the REM funds, but many are not eligible and numerous items like

sump pumps, heaters, dehumidifiers, and batteries for uninterruptable power supplies are replaced regularly.

The operating expenses were allocated based on estimated allocations of 0%, 25%, and 75% towards the Lake Supply Rate, City of Minot connections, and NAWS contract connections respectively. No operating expenses were allocated to the Lake Supply Rate for 2026 due to the uncertainty in lake water delivery.

The 2026 O&M rate to be charged to the City of Minot connections, based on the projected water use and expenses, shows an increase to \$0.30/1,000 gallons from the 2025 rate of \$0.27/1,000 gallons.

The 2026 O&M rate to be charged for NAWS contract customers based on the projected water use and expenses results in an increase of \$0.40/1,000 gallons from \$2.03/1,000 gallons in 2025 to \$2.43/1,000 gallons.

Replacement and Extraordinary Maintenance Rate (REM Rate):

For 2026, an increase in REM rate from \$0.45/1,000 gallons to \$0.48/1,000 gallons is proposed. This adjustment to the REM rate is based on 3% adjustment for construction inflation and 3% growth in REM rate needed to build the REM fund balance to \$100 million (25% of current NAWS project expenditures of approximately \$400 million) over 40 years. A comprehensive REM rate study for the NAWS project is expected to be completed in 2026.

2026 NAWS Water Rates Summary:

The 2026 NAWS water rate for City of Minot connections is increasing from \$0.72/1,000 gallons to \$0.78/1,000 gallons. This does not include supply rate. City of Minot customers will start paying the Lake Supply Rate to the Commission based on the proportion between Lake Water Supply and Ground Water Supply when the lake water becomes available for the Project. The treatment rate for City of Minot customers will be billed by the city.

The 2026 NAWS water rate for NAWS contract connections is increasing from \$5.48/1,000 gallons to \$5.73/1,000 gallons. This includes the Ground Water Supply/Lake Supply Rate of \$0.52/1,000 gallons.

NAWS – 2026 Water Rate

Page 4 of 4

November 24, 2025

Description	City of Minot Connections	NAWS Contract Connections
Capital Cost (Per 1,000 gallons)	\$0.00	\$0.00
Groundwater Supply Rate (Per 1,000 gallons)*	\$0.52	\$0.52
Lake Water Supply Rate (Per 1,000 gallons)*	\$0.52	\$0.52
Treatment Rate (Per 1,000 gallons)	\$2.30	\$2.30
O&M Rate (Per 1,000 gallons)	\$0.30	\$2.43
REM Rate (Per 1,000 gallons)	\$0.48	\$0.48

* - Customers will be charged Lake Supply Rate and Ground Water Supply Rate based on the proportion between lake supply and ground water delivered during a particular time.

I recommend the Commission approve the following 2026 NAWS water rates:

Lake Supply Rate – \$0.52/1,000 gallons

Ground Water Supply Rate - \$0.52/1,000 gallons

Treatment Rate for NAWS Contract Connections - \$2.30/1,000 gallons

O&M Rate for NAWS Contract Connections - \$2.43/1,000 gallons

O&M Rate for NAWS City of Minot Connections - \$0.30/1,000 gallons

REM Rate for NAWS Contract Connections, City of Minot Connections, City of Rugby - \$0.48/1,000 gallons

RH:SSP/237-4

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: Memorandum of Understanding with NAWS Customers
DATE: November 24, 2025



Department of Water Resources (DWR) staff has developed a Memorandum of Understanding (MOU) with NAWS customers for documenting limitations on the assistance provided by DWR staff and the different NAWS customers.

At the September 2025, NAWS Authority meeting, the attached draft MOU was approved.

I recommend the State Water Commission authorize the Secretary to finalize the attached MOU and proceed with executing with NAWS customers.

RH:SSP/237-4
Attachment

MEMORANDUM OF UNDERSTANDING

PARTIES: This Memorandum of Understanding (MOU) is between the North Dakota Department of Water Resources (Department), in its capacity as an agency of the State of North Dakota, and xxxx (Customer), each a “Party” and collectively “Parties”;

1. BACKGROUND:

The 1991 North Dakota Legislative Assembly directed the North Dakota State Water Commission (Commission) to develop a pipeline transmission and delivery system to deliver water supplies from the Missouri River and other sources to areas and localities in northwestern North Dakota for multiple purposes, including domestic and municipal users and rural water districts. (1991 N.D. Sess. Laws ch. 704, §1 through §5; codified at N.D.C.C. ch. 61-24.6). This water pipeline and delivery system is known as the Northwest Area Water Supply (NAWS) Project.

The Commission, pursuant to N.D.C.C. ch. 61-02 and N.D.C.C. ch. 61-24.6, may enter into water service contracts for water delivery and distribution and for the collection of rates, charges, and revenues from such water delivery. The Department manages the water services contracts on behalf of the Commission.

The Customer entered into a water service contract, Contract No. xxx pursuant to the laws of the State of North Dakota, for a water supply from the NAWS Project.

The NAWS Project’s infrastructure is owned by the Commission and operated by the Department.

The Customer’s infrastructure downstream from the NAWS Project connection point is owned and operated by the Customer.

2. PURPOSE AND SCOPE:

The purpose of this MOU is to establish and document the agreed upon terms of cooperation between the Department NAWS staff and Customer, involving emergency and non-emergency operations assistance sought and provided by the Parties.

- a. The Parties will cooperate and provide mutual assistance to the best of their knowledge, and use sound judgement.
- b. The assistance provided by a Party will only include sharing of knowledge and expertise. If a Party determines that any labor, material, or equipment is needed based upon the assistance provided, such labor, material, or equipment shall be the assistance requester’s responsibility.
- c. Each Party is responsible for work on their own infrastructure.
- d. Other Requirements:
 - i. This MOU in no way restricts the Parties from working together or participating in similar activities with other public or private agencies, organizations and individuals.
 - ii. Any public notices issued by the Parties with respect to this MOU or any related activities, shall be subject to review and approval, in advance, by

the Parties to this MOU.

- iii. The Parties will ensure that representatives have the proper training and certification required to conduct activities under this MOU.

3. TERM: This MOU becomes effective upon signing by the Parties and is effective until terminated.

4. TERMINATION:

- a. Termination by Mutual Agreement. This MOU may be terminated by mutual consent of both Parties executed in writing.

- b. Termination for Lack of Authority.

Either Party may terminate the whole or any part of this MOU, effective upon delivery of written notice to the other Party or on any later date stated in the notice, under any of the following conditions:

- 1) If federal or state laws or rules are modified or interpreted in a way that the services are no longer allowable under this MOU.
- 2) If any license, permit, or certificate required by law or rule, or by the terms of this MOU, is for any reason denied, revoked, suspended, or not renewed.

Termination of this MOU under this subsection is without prejudice to any obligations or liabilities of either party already accrued prior to termination.

- c. Termination for Cause

Department may terminate this MOU effective upon delivery of written notice to Customer, or any later date stated in the notice:

- 1) If Customer fails to perform any of the other provisions of this MOU, or so fails to pursue the work as to endanger performance of this MOU in accordance with its terms.

Customer may terminate this MOU effective upon delivery of written notice to Department, or any later date stated in the notice:

- 1) If Department fails to perform any of the provisions of this MOU, or so fails to pursue the work as to endanger performance of this MOU in accordance with its terms.

The rights and remedies of the Parties provided in this subsection are not exclusive and are in addition to any other rights and remedies provided by law or under this MOU.

5. FORCE MAJEURE: Neither party shall be held responsible for delay or default caused by fire, riot, terrorism, pandemic (excluding COVID-19), acts of God, or war if the event was not foreseeable through the exercise of reasonable diligence by the affected party, the event is beyond the party's reasonable control, and the affected party gives notice to the other party promptly upon occurrence of the event causing the delay or default or that is reasonably expected to cause a delay or default.

6. INDEMNIFICATION: The Department and Customer each agree to assume its own liability for any and all claims of any nature including all costs, expenses and attorneys' fees which may in any manner result from or arise out of this MOU.

7. NOTICE

All notices or other communications required under this MOU must be given by registered or certified mail and are complete on the date postmarked when addressed to the Parties at the following addresses:

DEPARTMENT	CUSTOMER
Name	Name
Title	Title
Address	Address
City, State, Zip	City, State, Zip

Notice provided under this provision does not meet the notice requirements for monetary claims against the State found at N.D.C.C. § 32-12.2-04.

8. ASSIGNMENT

Neither Party may assign nor otherwise transfer or delegate any right or duty without the other Party's express written consent. Neither Party has the authority to contract for or incur obligations on behalf of the other Party.

9. INDEPENDENT ENTITY

Customer is an independent entity under this MOU and is not a Department employee for any purpose, including the application of the Social Security Act, the Fair Labor Standards Act, the Federal Insurance Contribution Act, the North Dakota Unemployment Compensation Law and the North Dakota Workforce Safety and Insurance Act. Customer retains sole and absolute discretion in the manner and means of carrying out Customer's activities and responsibilities under this MOU, except to the extent specified in this MOU.

10. SPOILIATION – PRESERVATION OF EVIDENCE

Customer shall promptly notify Department of all potential claims that arise or result from this MOU. Customer shall also take all reasonable steps to preserve all physical evidence and information that may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and grants Department the opportunity to review and inspect such evidence, including the scene of an accident.

11. SEVERABILITY

If any term of this MOU is declared to be illegal or unenforceable by a court having competent jurisdiction, the validity of the remaining terms is unaffected and, if possible, the rights and obligations of the Parties are to be construed and enforced as if this MOU did not contain that term.

12. APPLICABLE LAW AND VENUE: This MOU is governed by and construed under the laws of North Dakota. Any action to enforce this MOU must be adjudicated exclusively in the District Court of Burleigh County, North Dakota.

13. NONDISCRIMINATION: The Parties agree to comply with all applicable federal and state laws, rules, and policies, including those relating to nondiscrimination, accessibility, and civil rights (*See* N.D.C.C. Title 34 – Labor and Employment).

14. MERGER AND MODIFICATION: This MOU constitutes the entire agreement between the Parties. There are no understandings, agreements, or representations, oral or written, not specified within this agreement. This MOU may not be modified, supplemented, or amended in any manner, except by written agreement signed by both Parties.

15. AUTHORITY TO SIGN: Each of the undersigned persons represents and warrants that he or she is fully authorized to enter into the terms and conditions of this MOU, and execute this MOU on behalf of the Party or Parties he or she represents and further represents that he or she has explained this MOU to the Party or Parties he or she represents and has obtained the agreement of each such Party to abide by the term and conditions of this MOU.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Understanding on the day, month, and year indicated:

**NORTH DAKOTA DEPARTMENT OF
WATER RESOURCES**


[INSERT CUSTOMER NAME]

Reice Haase, Director

Title:

Date:

Date:

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission 
FROM: Reice Haase, Secretary
SUBJECT: NAWS – Reimbursement from Replacement and Extraordinary Maintenance
Fund for Pump Repair at High Service Pump Station
DATE: November 24, 2025

The State Water Commission (SWC or Commission) collects and maintains a reserve fund for Replacement and Extraordinary Maintenance (REM) from water sales revenues from the Northwest Area Water Supply (NAWS) system. Funds are collected on all NAWS contracts including all users served through the City of Minot's contract, all communities and rural water systems served through the NAWS infrastructure, and the City of Rugby. The Commission adopted a policy for using the REM funds for the NAWS project at its June 2012 meeting. The policy notes items over \$15,000 are eligible for reimbursement from REM funds and the Commission will concur on eligible items.

All infrastructure projects require regular maintenance and replacement of equipment. Much of the costs are incurred annually and are included in the annual operating budget. Larger cost items occur less frequently, incur higher costs, and are meant to be funded by the REM funds.

At the June 2025 Commission meeting, reimbursement from the REM funds up to \$27,500 was approved for the rebuild of the 250 hp pump at the NAWS High Service Pump Station (City HSP #1). To date, expenses in the amount of \$26,961.27 have been paid. Invoices for installation are outstanding.

In August 2025, another 250 hp pump (City HSP #3) experienced issues. The quote received for rebuilding this pump is approximately \$76,500 due to extensive damage to the pump column. With other incidental expenses for reinstalling the pump, and outstanding invoices for installation of City HSP #1, the estimated expense for the repairs is \$90,000. DWR staff has requested City of Minot to manage the repairs, and the city will be reimbursed. The NAWS REM fund balance as of November 10, 2025, is \$4,166,605.36.

I recommend the State Water Commission approve that repairs of City HSP # 1 and # 3 at the NAWS High Service Pump Station are eligible Replacement and Extraordinary Maintenance projects and approve reimbursement up to \$90,000 from the Replacement and Extraordinary Maintenance fund.

RH:SSP/237-4

N O R T H
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MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: State Water Supply – Greater Ramsey Water District
South System Phase II Expansion

DATE: November 25, 2025



Background & Description

The Greater Ramsey Water District is requesting preconstruction cost-share for their South System Phase II Expansion (Project). The Project includes approximately 16 miles of new transmission pipeline and a pump station with a 250,000-gallon underground storage reservoir to replace an existing 250,000-gallon elevated storage tank. The expansion will serve approximately 120 new users. Peak daily demand is 286,000 gallons. The Project is located in Eddy, Foster, Nelson, and Ramsey Counties.

Supplemental Information

Water Development Plan / Priority	2025/Moderate
New / Future / Current Service Users	0/120/2,900
Present Value Cost / User (Preferred Alternative)	\$3,038
Rate / 5,000-Gallons	\$73
Comparable Rate / 5,000-Gallons	\$78
Water Source – Spiritwood-Warwick Aquifer	

Schedule

Task	Dates
Study	-
Design	Spring 2026
Bid	May 2027
Construction	Fall 2027
Completion	Fall 2028

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$0	\$0	\$0		
Eligible Costs	\$735,000	\$7,202,355	\$7,937,355		
Total	\$735,000	\$7,202,355	\$7,937,355		
Cost-Share 75%	\$551,250	\$5,401,766	\$5,953,016		\$551,250

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from Greater Ramsey Water District for state cost-share participation in the South System Phase II Expansion project at 75 percent of eligible costs, not to exceed \$551,250. This approval is contingent on available funding.

RH:jsp:ln/2050RAM

Water Development Plan: Yes (2025)
Plan Priority: Moderate

1086587 - GRWD - South System Phase II Expansion

Application Details

Funding Opportunity:	Initial Submit Date:	Oct 27, 2025 1:41 PM
1085949-July 2025 - June 2026 Infrastructure Request	Initially Submitted By:	Brian Aafedt
Funding Opportunity Due Date:	Last Submit Date:	
Jun 30, 2026 3:00 PM	Last Submitted By:	
Program Area:		
Funding for Infrastructure in ND - FIND		
Status:		Submitted
Stage:		Final Application

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Mr. Lonnie
	Salutation First Name
Middle Name	Lacina
	Last Name
Title:	Manager
Email*:	lonniel@grwdnd.com
Address*:	PO Box 1257

Organization Information

Status*:	Approved
Name*:	Greater Ramsey Water District
Organization Type*:	Political Subdivision
Tax Id:	45-0428798
Organization Website:	
Address*:	113 Shamrock Ln SE

	Devils Lake	North Dakota	Devils Lake	North Dakota
	City	State/Province	City	State/Province
58301			58301-0000	
Postal Code/Zip			Postal Code/Zip	
Phone*:	701-662-5681	Ext.	Phone*:	(701) 662-5781 Ext.
	Phone			###-###-####
	###-###-####		Fax:	###-###-####
Fax:	###-###-####		Vendor ID:	
Comments:			PeopleSoft Supplier ID:	
			Comments:	
			Location Code:	

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:	GRWD - South System Phase II Expansion
Sponsor(s)*:	Greater Ramsey Water District
County*:	Ramsey
City*:	Devils Lake, ND
Description of Request*:	New
Project Type:	Rural Water Supply
If Project is a Study, What Type?:	
If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:	Greater Ramsey Water District via the Spiritwood - Warwick Aquifer
Jurisdictions/Stakeholders Involved*:	
	Greater Ramsey Water District

**Describe the Problem/Need
and the Circumstances that
Led to This Application*:**

GRWD has experienced significant demand growth in its south system since original construction in the mid 2000s. Existing pipeline, pumping facility, and storage infrastructure can't keep up with above average demands. As demands have increased, facilities are no longer located at ideal locations within GRWD's system. Pumping facilities struggle to keep up with demands due to being located at too high of elevations and pumping through too small of pipelines. Elevated storage high water levels limit available static pressures in high elevation areas as well as dynamic pressures during high demand periods near system edges. Configuration of existing storage depletes chlorine residual in the south system, potentially creating poor quality along edges of the system. Additionally, facility infrastructure has reached the end of its useful life and due to the lack of redundant supply to its south system, presents a vulnerability for GRWD as demands are expected to continue to increase.

**Describe the Proposed or
Chosen Solution(s) to
Address the Problem/Need*:**

A solution is rapidly needed for GRWD to increase its pipeline and pumping capacity along with modernizing/expanding its facility infrastructure in its south system. Proposed improvements include ~7 miles of ~12-inch transmission pipeline south of the GRWD WTP, a new pumping station with connected 250,000-gallon reservoir to replace existing pumping and storage facilities, other small distribution pipeline improvements/additions to accommodate the new pumping station location with respect to GRWD's pipeline system, and demolition of the existing booster facility and existing 250,000 gallon elevated storage tank. This solution will combine both existing sites (booster and storage tank), which will help to reduce/consolidate GRWD's vertical infrastructure, leading to improved operation and maintenance costs. Underground storage is also expected to improve chlorine residual loss due to less temperature variations with the possibility of additional chlorine injection if deemed necessary.

**Describe the Objectives or
Goals Specific to This
Application*:**

This project would serve to meet GRWD expanding needs for existing and new services in Eddy, Foster, and Nelson counties through larger pipeline and pumping capacities. This updated facility location would provide an ideal location to provide increased available system pressures as GRWD continues to receive new service requests throughout its existing system but also beyond current service areas in other areas not currently able to be reached and served with existing infrastructure. In addition, increasing pipeline capacity would help GRWD to maintain proper storage buffer during high demand periods, as well as improving operational efficiencies through the combination of two sites.

**Describe the Scope of Work
or Project Activities Specific
to This Application*:**

This request encompasses project preconstruction including facility and pipeline design. This will

include study of proper infrastructure sizing and planning through hydraulic modeling of the system and evaluation of proposed facility operations and configuration, design and bidding of the construction scope associated with the project (pipelines and facility work), and easement procurement assistance.

For this project,

Choose City, County, Water District or Other*: Water District

What is the Current Estimated Population?*: 8400

For this project,

What is the Benefited Population?*: 8400

Have Assessment Districts Been Formed?*: N/A

Have Land or Easements Been Acquired?*: Ongoing

Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*: Yes

Are There Any Road Improvements Included as Part of the Project?*: No

Have You Applied For Any Federal Permits?*: N/A

Have You Applied for any State Permits?*: N/A

Have You Applied for any Local Permits?*: N/A

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*: No

**Have You Received, or Do
You Anticipate Receiving
Federal Funding?**

(Example: Hazard Mitigation Grant
Program)

*,

No

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: N/A

Design Completion*: March 2027

Bid*: May 2027

Construction Start*: Fall 2027

Construction Completion*: Fall 2028

**Explain Additional Timeline
Issues*:**

None anticipated

Consulting Engineer*: AE2S

**Engineer Direct Phone
Number*:** 701-746-8087

Engineer Email*: brian.aafedt@ae2s.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Yes

Authorized Individual*:

Lonnie Lacina 10/27/2025

First Name Last Name Date

Title/Position/Authority*:

Manager

Address*:

PO Box 1257

Address Line 1

Address Line 2

Devils Lake, ND North Dakota 58301-0000

City State Zip Code

Direct Phone Number*:

701-662-5781

Sponsor Email*:

brian.aafedt@ae2s.com

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:

Al Johnson

First Name Last Name

Authorized Signor Title/Position:	President
Authorized Signor Email:	sallyb@grwdnd.com
Authorized Signor Direct Phone Number:	701-662-5781
Provide the Name for One Additional Board Member, if Applicable:	Missy Abrahamson First Name Last Name
Additional Board Member Title/Position:	Vice President
Additional Board Member Email:	sallyb@grwdnd.com
Additional Board Member Direct Phone Number:	701-662-5781

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:

No

[CLICK HERE to see examples.](#)

Project Specific Map

GRWD - South System Phase II Expansion.pdf

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*

No

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: October 9 2025 GRWD Meeting Minutes Draft.pdf

Cover Letter: Funding Acknowledgement Letter - Signed.pdf

**Are You Seeking Cost-Share
for a Main Street Initiative
Related Project?:** No

[CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.](#)

**Delineation of Costs SFN
61801:** sfn_61801_delineation_of_cost.xlsx

Type of Request: Preconstruction

**Is This a Water Supply
Project?:** Yes

[CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.](#)

Life Cycle Cost Analysis: life_cycle_cost_analysis_worksheet.xlsx

**Is This a Rural Flood Control
Project?:** No

**Is This a Drain
Reconstruction Project?:** No

**Is This a Flood Recovery
Property Acquisition
Project?:** No

**If Request is for Construction
of a Community Flood
Control or Water Conveyance
Project (Excluding
Assessment Drain Projects),
is the Total Construction
Cost \$200,000 or More?:** No

**Sovereign Land Permit, if
Required for Construction
Request:**

**DWR Construction Permit, if
Required for Construction
Request:**

**Conditional Letter of Map
Revision (CLOMR), if
Required for Construction
Request:**

**Has a Feasibility/Engineering
Study Been Completed for
the Project?:** No

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

**Other Applicable
Document(s):**

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year		Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
			State Fiscal Year 1 July to June	2 July to June					
Department of Water Resources Cost Share Pre- Construction		Current Request	\$551,250.00	\$0.00	\$0.00	\$551,250.00	Grant	0.00	0.00
Department of Water Resources Cost Share Construction		Future Request	\$0.00	\$0.00	\$5,401,766.25	\$5,401,766.25	Grant	0.00	0.00
Other	Local Share		\$183,750.00	\$0.00	\$1,800,588.75	\$1,984,338.75		0.00	0.00
			\$735,000.00	\$0.00	\$7,202,355.00	\$7,937,355.00			

GRWD: SOUTH SYSTEM PHASE II EXPANSION

GREATER RAMSEY
WATER DISTRICT
Devils Lake, ND



Legend

Proposed Pipeline

- Proposed 3" Pipeline
- Proposed 12" Pipeline
- Proposed Booster Station and Underground Reservoir
- Existing Elevated Storage
- Existing Booster Station
- GRWD WTP
- Existing GRWD 12" Pipeline - Installed in Phase I
- Existing GRWD Pipeline

GRWD WTP

New 12" to provide sufficient transmission capacity for south system

Existing GRWD South South Booster - to be demolished

Proposed New Pump Station with 250,000-gallon underground reservoir storage

New 3" to expand user capacity and provide capacity to serve waitlisted users

Existing GRWD South Tower (~250,000 Gallon Capacity) - to be demolished



Locator Map Not to Scale

1 inch = 10,000 feet
0 5,000 10,000
Feet





DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received : October 27, 2025

Project: GRWD - South System Phase II Expansion
Sponsor: Greater Ramsey Water District
Contact: Lonnie Lacina, Manager
Phone: 701-662-5781
Engineer: Brian Aafedt, AE2S
Phone: 701-213-7470

Total Cost : \$ 7,937,355
Ineligible Cost : \$ -
Eligible Cost : \$ 7,937,355
Local Cost : \$ 1,984,339

Date: _____

Cost-Share \$
\$ 5,953,016
Preconstruction : \$ 551,250
Construction : \$ 5,401,766

Project Type: Rural Water Supply
Cost-share % 75%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	0.0%	Mobilization	1	LS	-	\$ -	75%	\$ -
2	0.0%	Bonding	0		-	\$ -	75%	\$ -
3	0.0%	Insurance	0		-	\$ -	75%	\$ -
4	23.3%	Water Main 3 in (9 miles, includes supplementary valves, fittings, and tie-ins)	1	LS	1,521,000.00	\$ 1,521,000	75%	\$ 1,140,750
5	9.5%	Water Main 3 in (includes supplementary valves, fittings, and tie-ins)	1	LS	620,050.00	\$ 620,050	75%	\$ 465,038
6	57.1%	New Pump Station & 250K Reservoir	1	LS	3,725,000.00	\$ 3,725,000	75%	\$ 2,793,750
7	0.9%	I&C Construction Phase Costs	1	LS	60,000.00	\$ 60,000	75%	\$ 45,000
8	0.0%		0		-	\$ -	75%	\$ -
9	0.0%		0		-	\$ -	75%	\$ -
10	0.0%		0		-	\$ -	75%	\$ -
11	0.0%		0		-	\$ -	75%	\$ -
12	0.0%		0		-	\$ -	75%	\$ -
13	0.0%		0		-	\$ -	75%	\$ -
14	0.0%		0		-	\$ -	75%	\$ -
15	0.0%		0		-	\$ -	75%	\$ -
16	0.0%		0		-	\$ -	75%	\$ -
17	0.0%		0		-	\$ -	75%	\$ -
18	0.0%		0		-	\$ -	75%	\$ -
19	0.0%		0		-	\$ -	75%	\$ -
20	0.0%		0		-	\$ -	75%	\$ -
21	0.0%		0		-	\$ -	75%	\$ -
22	0.0%		0		-	\$ -	75%	\$ -
23	0.0%		0		-	\$ -	75%	\$ -
24	0.0%		0		-	\$ -	75%	\$ -
25	0.0%		0		-	\$ -	75%	\$ -
26	0.0%		0		-	\$ -	75%	\$ -
		Construction Sub-Total				\$ 5,926,050	75%	\$ 4,444,538
	10.0%	Contingency				\$ 592,605	75%	\$ 444,454
	82.1%	Construction Total				\$ 6,518,655	75%	\$ 4,888,991
Preconstruction Costs								
27	10.0%	Final Design	1	LS	650,000.00	\$ 650,000	75%	\$ 487,500
28	0.6%	Bidding / Negotiations	1	LS	40,000.00	\$ 40,000	75%	\$ 30,000
29	0.4%	Easement Assistance	1	LS	25,000.00	\$ 25,000	75%	\$ 18,750
30	0.3%	Geotechnical Investigations	1	LS	20,000.00	\$ 20,000	75%	\$ 15,000
31	0.0%		0		-	\$ -	75%	\$ -
	9.3%	Preconstruction Total				\$ 735,000	75%	\$ 551,250
Construction Engineering Costs								
32	9.4%	Construction Engineering	1	LS	610,000.00	\$ 610,000	75%	\$ 457,500
33	1.1%	Crop Damage Compensation	1	LS	73,700.00	\$ 73,700	75%	\$ 55,275
34	0.0%		0		-	\$ -	75%	\$ -
35	0.0%		0		-	\$ -	75%	\$ -
36	0.0%		0		-	\$ -	75%	\$ -
	8.6%	Construction Engineering Total				\$ 683,700	75%	\$ 512,775
Other Eligible Costs								
37	0.0%		0		-	\$ -	75%	\$ -
38	0.0%		0		-	\$ -	75%	\$ -
39	0.0%		0		-	\$ -	75%	\$ -
40	0.0%		0		-	\$ -	75%	\$ -
41	0.0%		0		-	\$ -	75%	\$ -
	0.0%	Other Eligible Total				\$ -	75%	\$ -
In-eligible Costs								
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 7,937,355		
		Eligible Total				\$ 7,937,355	75%	\$ 5,953,016
Federal or State Funds That Supplant Costs								
		Eligible Cost Total				\$ 7,937,355	75%	\$ 5,953,016

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor:

Greater Ramsey Water District

Project Title:

GRWD - South System Phase II Expansion Project

Date:

October 31, 2025

Explanation of Alternatives:

Do Nothing - GRWD continues to operate aging and undersized pumping, storage, and pipeline infrastructure. Water conservation may be required during high flow periods to keep facilities operational. Operation and maintenance costs will continue to be required by both the aging booster station and elevated storage facility. This includes electrical and heating costs for 2 locations, elevated storage ongoing maintenance (relining, inspections, painting, etc.). Due to repair costs, operational expenses are expected to increase.

South System Phase II Expansion (Preferred) - Proposed improvements include ~7 miles of ~12-inch transmission pipeline south of the GRWD WTP, a new pumping station with a 250,000-gallon reservoir to replace existing pumping and storage facilities, and demolition of the existing booster facility and existing 250,000-gallon elevated storage tank. This solution will combine both sites (existing booster and existing storage tank), which will help to reduce and consolidate GRWD's vertical infrastructure.

Expansion of Existing Infrastructure - Replacement and Expansion of existing infrastructure including pipeline expansion as described in South System Phase II Expansion Alternative above, along with Replacement/Expansion of existing elevated water storage tower and booster station. Replacement of elevated storage tower (with similarly sized 250K gallon storage tower) would be needed to increase available system pressure to address low pressure issues with a taller structure.

Inputs:

New Connections Served	0	Current CIF Balance	
Future Connections Served	0	Annual CIF Contribution	
Current Connections Served	2900	Cash Funding Target (Percentage %) New Assets	
Net Connections (New + Current)	2900	Cash Funding Target (Percentage %) Existing Assets	
		Annual CIF Contribution suggested for the Project	

	Do Nothing	South System Phase II Expansion (Preferred/Recommended)	Expansion of Existing Infrastructure
Construction Cost	\$0	\$7,937,400	\$9,583,900
Annual O & M	\$170,000	\$74,600	\$139,000

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

	Do Nothing	South System Phase II Expansion (Preferred/Recommended)	Expansion of Existing Infrastructure
Present Value			
Capital Costs	\$0	\$7,831,000	\$9,330,000
O&M	\$4,715,000	\$1,922,000	\$3,451,000
Repair, Rehab, Replacement	\$0	\$86,000	\$1,510,000
Salvage Value	\$0	\$1,030,000	\$1,107,000
Total PVC	\$4,715,000	\$8,809,000	\$13,184,000
PV Cost Per User	\$1,626	\$3,038	\$4,546

Current Water Rate (Cost Per 5000g)	\$73		
Comparable Water Rate	\$78		
Net Connections (New + Current)	2,900	2,900	2,900
Cost-Share Percent	75%	75%	75%
Local Share	\$0	\$1,957,750	\$2,332,500
Other Funding	\$0	\$0	\$0
Total Local	\$0	\$1,957,750	\$2,332,500
Payment Per User With Cost-Share	\$0.00	\$3.42	\$4.07
Local Share	\$0	\$7,831,000	\$9,330,000
Other Funding	\$0	\$0	\$0
Total Local	\$0	\$7,831,000	\$9,330,000
Payment Per User Without Cost-Share	\$0.00	\$13.66	\$16.28

Explanation of Results:

The sponsor preferred project is the "South System Phase II Expansion" option. The present value cost of the preferred alternative is \$8,809,000 and \$4,715,000 for the "Do Nothing" alternative for comparison. The capital expenditure cost for the preferred alternative is \$7,831,000. The present value cost per user for the preferred alternative is \$3,038. The monthly user cost of the local share with DWR 75% cost-share participation is \$3.42 per month and \$13.66 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version

Version 1.2024.04.18

113 Shamrock Ln SE PO Box 1257
Devils Lake, ND 58301
Phone: 701-662-5781
Fax: 701-662-6623
Toll-Free: 888-223-0090
www.grwdnd.com



October 9, 2025

Reice Haase
Director – Department of Water Resources
1200 Memorial Highway
Bismarck, ND. 58504

**Re: Greater Ramsey Rural Water District (GRWD)
GRWD – South System Expansion Phase II Preconstruction Cost Share Request
Cost Share Request for 2025 – 2026 Biennium**

Dear Director Haase:

This letter shall serve to acknowledge that Greater Ramsey Water District (GRWD) is requesting North Dakota State Water Commission (SWC) preconstruction cost share for the GRWD – South System Phase II Expansion Project. The project is ready to proceed to final design in 2026. GRWD plans to finalize designs and bid the project(s) in mid 2027, with construction occurring in 2027 and 2028.

The preconstruction cost of the project can be found within our application, showing our current request. Within our request you will find meeting minutes attached which show a motion stating the intent of GRWD to apply for this cost share funding for the project.

Thank you very much for your assistance with this important project for Greater Ramsey Water District. If you have any questions, please feel free to contact GRWD at 701-662-5781 or Brian Aafedt with Advanced Engineering and Environmental Services, LLC. at (701) 746-8087.

Sincerely,

A handwritten signature in black ink, appearing to read "Al Johnson".

Al Johnson
Greater Ramsey Water District Board of Directors President

c: Brian Aafedt, Project Manager

GREATER RAMSEY WATER DISTRICT REGULAR MEETING

October 9, 2025

DIRECTORS PRESENT: Paul Becker, Gilbert Black, David Hovendick, Allen Johnson, Missy Abrahamson, Kale Miller, Doug Mohr

OTHERS PRESENT: Lonnie Lacina, Sally Herda, Krista Wold - GRWD; Brian Aafedt, Ashley Goetzfried – AE₂S; Neal Ackerman

The meeting was called to order at 7:56 a.m. by Johnson at the District office.

Minutes from the September 4, 2025 regular meeting were reviewed. Motion by Hovendick, seconded by Abrahamson to approve the minutes. All directors voted aye and **motion carried**.

Manager report

- **ND Water Convention Dec 9-11**– Lacina requested anyone interested in attending contact the office.
- **EXPO – February 10-12, 2026** – Directors interested in attending the convention were requested to inform the office.
- **Budget committee** – Johnson and Abrahamson agreed to serve on the budget committee for 2026 operations.
- **Bylaws** – Becker and Herda will work on proposal to update the bylaws to reflect new laws on the director election process/filling vacancies that have gone into effect following this year's legislative session.
- **North system capacity improvement project**

➤ **AE₂S project update** -

Construction progress – Final punch list items include seeding at the Saunders booster and delivery of O&M manuals. Painting at the treatment plant has been completed and looks good. Photos of the before and after pictures were shown.

WTP generator expansion – Funding request to reallocate project funding to include a generator sufficient to meet needs in events of electrical outages or controlled service will be submitted in December for consideration at the January/February 2026 SWC meetings. Following approval, the wait time for installation is approximately 6-9 months and would be scheduled for installation in Summer, 2026.

Pay application #12 - \$51,993.00 from John's Refrigeration completes the contract, leaving approximately \$5,000 in retainage to keep the contract open for the generator change order. No pay application was received from American General. Remaining contract is \$185,000, which includes retainage of \$102,000.

Budget and contingency funding were reviewed and discussed.

- **User expansion project**
 - **AE₂S project update** – Neal Ackerman met with the directors to discuss participation in the expansion project. Nine memberships were initially proposed for routing in development area and funds in the project were earmarked for this work. The subdivision plan was submitted to GRWD and line routing will need to change and will involve more line than initially projected. Construction will most likely be in spring, 2026. The subdivision plans will be reviewed to determine the details and number of memberships that will be required for inclusion in the project. Additional costs associated with line routing will need to come from the contingency funding.

With the current wait list and applications for service, Aafedt reported that the District is approaching full use of the contingency. While the District can request additional funding from the State, those funds have been mostly spoken for. Aafedt stated he will know more about where the contingency sits at the end of the year when this year's construction season comes to a close.

Contingency/waitlist update and discussion – Discussion was held on how to handle the current wait list as well as a plan moving forward as contingency funding would mostly be allocated out if the currently waitlisted users are served. As construction crews begin work in new areas, some applications have been made and construction of those users completed due to low-construction cost and realized savings of mobilization fees from coming back later to install. The existing contingency would be sufficient to complete the users currently on the wait list and the directors gave the go-ahead to move them into construction. Applications after this date will be on a wait list until such time as remaining contingency can be determined.

Construction progress – Seventy users have been turned over for service as of 10-2-25 with more ready for testing. The 12" line in the south system has been installed. Connections, tie-ins, flushing and testing work will be done in October and should be operational by next month. Crop damage amounts for the north system have been sent out. Amount of crop damage is approximately \$90,000 and was less than anticipated. Pay application #5 for Karas in the amount of \$763,294.41 was submitted for approval.

Contingencies and project budget were reviewed.

Invoices – Motion by Becker, seconded by Miller to approve project invoices: AE₂S (\$12,477.25, \$64,613.00), John's Refrigeration #12 (\$51,993.00) and Karas Construction #3 (\$763,294.41) for a total of \$892,347.66. All directors voted aye and **motion carried.**

Other discussion

Land purchase for eventual replacement of South Booster and tower, pipeline to water treatment plant – the site proposed at the September meeting remains the logical location for placement of a reservoir and Lacina stated that he does not foresee any issues with the landowner.

Funding considerations/updates/timing for ND SWC and current biennium bucket. Planning for future updates to the south system were discussed. The 12" line currently under construction in the 24 User Expansion project is the first phase that sets up the south system for future improvements. Aafedt stated the FY2025-27 bucket is largely allocated and explained the process and timeline for requesting funding on future projects. Adding a reservoir at the proposed site would replace both the south tower and the south booster while addressing the growing needs in the south portion of the system. The additional storage would greatly benefit during times of peak demand as well as offer opportunities to provide supplemental water for Dakota Water Users and potentially connect with the Carrington system. The pumps at the south booster operate nearly continuously to meet current demands. With a booster in the south portion of the system, an additional 30-40 psi may be realized as well as a 40 percent increase in what gets out into the system. The reservoir would be sized at a 250,000 gallon capacity. Aafedt stressed that having a project ready to go and in the queue when

the funding timeline opens up provides the best opportunity for funding. **Motion by Black, seconded by Hovendick to apply to the State Water Commission for preconstruction cost for the South System Phase II Expansion Project. All directors voted aye and motion carried.**

Office manager report

- **Accounts Payable** – Motion by Becker, seconded by Abrahamson to authorize payment of the September bills. **All directors voted aye and motion carried.**

	<u>WATER</u>	<u>SEWER</u>	<u>CHECK #</u>
Payroll direct deposit - net	24,344.22	4,811.30	1103E
Wages - Gross \$40,186.86			
EFTPS	10,093.78		1104E
941 payroll taxes			
Nationwide Retirement	1,100.00		1105E
Deferred compensation			
ND PERS	6,313.21		1106E
Retirement			
State Tax Commissioner	598.00		1107E
3rd quarter withholding			
Cardmember Service	38.62	12.87	1108E
NDRIN, Adobe subscriptions			
Payment Service Network	352.01	117.34	1109E
Payment processing			
Franco-typ Postalia	5.67		1110E
Refunded postage old machine/download			
ND PERS	3,797.20	1,071.00	1111E
Health insurance			
Foster County Recorder	1,120.00		18702
Project easement recording			
Northern Plains Electric	240.38		18703
System electricity			
ND DOT	400.00		18704
Highway crossing permits			
Cordell Schroeder	10,800.00		18705
Refund high-cost payment - project			
ND One Call	195.50	32.25	18706
Locates			
Farmers Union Oil	1,577.18	588.33	18707
Service truck fuel			
Nodak Electric	6,206.97	778.33	18708
System electricity			
Ace Hardware	17.97		18711
Paint			
Advanced Engineering			
N System Impr - construction, I&C services	12,447.25		18712
24 User expansion	64,613.00		
Amazon Capital Services	119.32	80.20	18713
Padlocks, repair parts, paint			
City of Carrington	3,465.25		18714

	<u>WATER</u>	<u>SEWER</u>	<u>CHECK #</u>
1,114,000 gallons for resale			
City of Devils Lake	42.86	14.29	18709
Office utilities			
City of Devils Lake		2182.77	18710
Wastewater - 2,829,812 gallons			
City of Devils Lake	3,559.99		18715
Water for resale - 2,034,281 gallons			
Classified Directories	271.35	90.45	18716
Durum Triangle listing			
Copy Cat Printing	858.75	286.25	18717
Envelopes, statements			
Devils Lake Journal	87.00	29.00	18718
Annual subscription			
DL Area Chamber of Commerce	375.00		18719
2025-26 membership			
Exhaust Pros	133.50	44.50	18720
Oil changes (2)			
Farmers Union Oil	1,873.89	295.56	18721
Service truck/equipment fuel			
Farmers Union Oil - Tolna	103.59		18722
Service truck fuel			
Ferguson	11,810.35	(244.41)	18723
Water service, repair materials, parts			
Ruth Fletcher	375.00		18724
Mowing - Webster booster			
GRWD Petty Cash	923.74	329.96	18725
Replenish account			
Hawkins	2,012.36		18726
WTP chemical supplies			
Interstate Billing Service	139.10	861.35	18727
Equipment rental			
John's Refrigeration	51,993.00		18728
Payment #12			
Karas Construction Inc	763,294.41		18729
User Expansion, Pmt #5			
Kellers Briteway	33.75	11.25	18730
Window cleaning			
Leevers	10.05	3.35	18731
Meeting supplies			
Joe & Bros Mow for Dough	162.50	172.50	18732
Mowing			
Montana Dakota Utilities	22.44	7.48	18733
Office utilities			
NAPA	34.49	55.44	18734
Truck parts			
ND Dept of Health	378.00		18735
Water testing			
ND One Call	194.45	12.75	18736
Locates			
ND Telephone	500.26	90.41	18737
Phone, internet, surveillance			

	<u>WATER</u>	<u>SEWER</u>	<u>CHECK #</u>
Network Center	502.13	167.37	18738
Flexcare, datto backup			
Nodak Electric	5,967.72	703.78	18739
System electricity			
Northeast Regional Water	673.08		18740
170,400 gallons for resale			
Northern Plains Electric	213.78		18741
System electricity			
Ottertail Power Co	295.52	316.38	18742
System electricity			
Payroll Professionals	66.34	22.12	18743
Payroll services			
Postmaster	277.50	92.50	18744
1st class presort fee			
Prairie Truck & Tractor		1,688.90	18745
Pumper truck repair			
Quadient	74.74	24.91	18746
Automate usage			
Quill Corporation	209.80	69.93	18747
Office supplies			
Running Supply	774.32	95.98	18748
Tools, cleanup, supplies			
Samuelson Welding Svc	74.25	24.75	18749
Trailer repair			
Verizon	328.48	109.50	18750
Cell phone service			
Vestis	89.24	29.76	18751
Rug service			
Widmer Roel	987.75	329.25	18752
2024 audit			
Ottertail Power Co	81.79	49.31	1220
System electricity			
State Farm	37.50	12.50	1221
Notary bond - Herda			
Postmaster	804.45	268.15	1222
Billing postage			
Postage machine	69.09	16.46	814 JE
Sept postage			
TOTALS	998,562.84	15,756.07	

- **Financial report** – September financial report was reviewed. Motion by Mohr seconded by Abrahamson to approve the financial report. All directors voted aye and **motion carried**. Project reports for the current improvement projects were reviewed, along with monthly cash requirements for the projects. There was also discussion on the loss numbers. As the project upgrades and SCADA systems have largely been completed, more complete monitoring data is available. Water used for flushing in the North system this construction season was estimated at 527,000 gallons for June through September and will be incorporated into the 2025 consumption numbers. Staff will continue to check areas for loss.
- **2026 calendar** – Calendar for the upcoming year was reviewed. Motion to approve the calendar was made by Mohr, seconded by Hovendick. All directors voted aye and **motion carried**.

- **2024 audit** – 2024 updated audit draft was sent to the directors and reviewed briefly, with final report forthcoming.
- **Employee manual draft/update** – Manual is getting close to completion. A final draft of the report was provided to the directors and a memo from the consultant that highlighted key updates were reviewed. Vacation policy (sell-back of time options) and medical leave were discussed at length and the committee will continue to work with the consultant for clarification. The Drug and Alcohol policy was removed from the manual to develop a stand-alone version. It was suggested that the policy manual should be reviewed every 5 years.

Membership termination

- **Barbara Loe** – 1706 84th Ave NE, McHenry – service no longer needed.
- **Joel Lampert** – 220 Hwy 20, Glenfield – service no longer needed.
Motion to approve the membership terminations was made by Hovendick, seconded by Becker and **approved unanimously**.

Next regular board meeting will be held November 6, 2025.

There being no further business, the meeting adjourned by motion at 10:43 am.

Minutes Approved: _____

Allen Johnson, President _____

Sally Herda, Office Manager _____

N O R T H
Dakota | Water Resources
 Be Legendary.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
 Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: State Water Supply – City of Mandan
 Mandan Proper NW Improvements
DATE: November 25, 2025



Background & Description

The City of Mandan is requesting preconstruction cost-share for their Mandan Proper NW Improvements (Project). The Project is replacement of approximately 4,250 feet of aging cast iron water main in an area south of I-94 and east of Sunset Drive in northwest Mandan. The Project is part of combined street replacement and sanitary sewer, storm sewer, and water supply infrastructure improvements planned for Mandan. The Project is located in Morton County.

Supplemental Information

Water Development Plan/Priority	2025 / Low
New/Future/Current Service Users	0 / 0 / 110
Present Value Cost / User (Preferred Alternative)	\$101,436
Rate / 5,000-Gallons	\$51
Comparable Rate / 5,000-Gallons	\$48
Water Source – Missouri River, Mandan	

Schedule

Task	Dates
Study	Jul. 2024
Design	Jan. 2027
Bid	Feb. 2027
Construction	May 2027
Completion	Nov. 2027

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$507,000	\$5,985,571	\$6,492,571		
Eligible Current	\$273,000	\$3,216,770	\$3,489,770		
Total	\$780,000	\$9,202,341	\$9,982,341		
Cost-Share 60%	\$163,800	\$1,930,062	\$2,093,862		\$163,800

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from the City of Mandan for state cost-share participation in the Mandan Proper NW Improvements project at 60 percent of eligible costs, not to exceed \$163,800. This approval is contingent on available funding.

RH:jsp:ln/2050MAN

1086641 - Mandan Proper NW Improvements

Application Details

Funding Opportunity:	Initial Submit Date:	Oct 24, 2025 2:31 PM
1085949-July 2025 - June 2026 Infrastructure Request	Initially Submitted By:	Jarek Wigness
Funding Opportunity Due Date:	Last Submit Date:	
Jun 30, 2026 3:00 PM	Last Submitted By:	
Program Area:		
Funding for Infrastructure in ND - FIND		
Status:		Submitted
Stage:		Final Application

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Salutation Josh First Name
Middle Name	Wayt
	Last Name
Title:	Funding Specialist
Email*:	josh.wayt@mooreengineeringinc.com
Address*:	925 10th Ave E Suite 1

Organization Information

Status*:	Approved
Name*:	City of Mandan
Organization Type*:	Political Subdivision
Tax Id:	
Organization Website:	
Address*:	205 2nd Avenue NW

	West Fargo	North Dakota		Mandan	North Dakota
	City	State/Province		City	State/Province
58078			58554-3125		
Postal Code/Zip			Postal Code/Zip		
Phone*:	(701) 200-5455	Ext.	Phone*:	(701) 667-3215	Ext.
	Phone			###-###-####	
	###-###-####		Fax:	###-###-####	
Fax:	###-###-####		Vendor ID:		
Comments:			PeopleSoft Supplier ID:		
			Comments:		
			DUNS 058261421		
			Location Code:		

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:	Mandan Proper NW Improvements
Sponsor(s)*:	City of Mandan
County*:	Morton
City*:	Mandan
Description of Request*:	New
Project Type:	Municipal Water Supply
If Project is a Study, What Type?:	
If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:	Missouri River
Jurisdictions/Stakeholders Involved*:	
	The City of Mandan and its residents, particularly the 350 residents in the Mandan Proper NW

neighborhood.

**Describe the Problem/Need
and the Circumstances that
Led to This Application*:**

The water distribution system in the project area includes Cast Iron Pipe (CIP) that is at least 60 years old. As CIP ages, it corrodes and becomes brittle and susceptible to breaks. Since 2015, the City's Public Works Department has fixed 10 CIP breaks in the project area. Other infrastructure within the project area has also exceeded its useful life and now requires replacement or rehabilitation. The sanitary sewer is original Vitrified Clay Pipe (VCP) that has not been rehabilitated. The storm sewer is Reinforced Concrete Pipe (RCP) that demonstrates clear signs of failure. For example, when the sewers are flushed, water sprays from the ground where cracks have occurred in the pipes. Lastly, the asphalt and concrete roadways within the project area are in poor condition.

**Describe the Proposed or
Chosen Solution(s) to
Address the Problem/Need*:**

The project will replace all CIP watermains with Polyvinyl Chloride Pipe (PVC) that is at least 8" in diameter. The project will also adjust hydrant and gate valve spacing to ensure proper coverage. Additionally, water services will be replaced to the curb stop, and a new curb stop will be installed at each service. The project will also use a trenchless method to rehabilitate the sanitary sewers, which are located in the alleys. After performing spot repairs to fix collapsed pipe or major sags, the existing VCP will be lined with a Cured-In-Place Pipe (CIPP). The project will also replace the undersized and failing RCP storm sewers with upgraded sewers and inlets. Finally, the project will reconstruct the streets by rebuilding the roadway from subgrade to finished grade. This is necessary because the majority of the streets in the project area have been overlayed several times and are now beyond the point of rehabilitation.

**Describe the Objectives or
Goals Specific to This
Application*:**

Through the present application, the City of Mandan is seeking preconstruction cost share funding from the Department of Water Resources. Subsequently, the City will submit another application for construction cost share funding from DWR and for initiating a loan application to the DWSRF and CWSRF programs administered by the NDDEQ and NDPFA.

**Describe the Scope of Work
or Project Activities Specific
to This Application*:**

The scope of work for the present application includes preliminary design, final design, and bidding and negotiating services. Moreover, permitting and public engagement will be included during the final design process.

For this project,

Have You Applied For Any Federal Permits?*	No

Have You Applied for any State Permits?*: No

Have You Applied for any Local Permits?*: No

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*: No

Have You Received, or Do You Anticipate Receiving Federal Funding? No

(Example: Hazard Mitigation Grant Program)

*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: 07/29/2024

Design Completion*: 01/31/2027

Bid*: 02/28/2027

Construction Start*: 05/01/2027

Construction Completion*: 11/01/2027

Explain Additional Timeline Issues*:

No additional timeline issues are anticipated.

Consulting Engineer*: Grant Dockter

Engineer Direct Phone Number*: 701-425-1842

Engineer Email*: grant.dockter@mooreengineeringinc.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Yes

Authorized Individual*:

Jarek Wigness 10/24/2025
First Name Last Name Date

Title/Position/Authority*:

City Engineer

Address*:

205 2nd Ave NW
Address Line 1
Address Line 2

Mandan North Dakota 58554-0000
City State Zip Code

Direct Phone Number*:

701-667-3227

Sponsor Email*:

jarek.wigness@cityofmandan.com

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:

James Froelich
First Name Last Name

Authorized Signor Title/Position:	President of the Board of City Commissioners
Authorized Signor Email:	james.froelich@cityofmandan.com
Authorized Signor Direct Phone Number:	701-301-6792
Provide the Name for One Additional Board Member, if Applicable:	Ryan Heinsohn First Name Last Name
Additional Board Member Title/Position:	Vice President of the Board of City Commissioners
Additional Board Member Email:	ryan.heinsohn@cityofmandan.com
Additional Board Member Direct Phone Number:	701-425-3398

Documentation

Documentation

**Project in Extraterritorial
Jurisdiction? If Yes, Add
Boundary to Project Specific
Map.*:**

No

[CLICK HERE to see examples.](#)

Project Specific Map

30712_MandanProperNW_DWRPrecon_Map.pdf

Must Include Project Location in
State Using an Inset Map and
Distance/Direction to Nearest
Community

*:

**Are You Seeking Funding
From the State Revolving
Fund or BND Infrastructure
Revolving Loan Fund?***

Yes

**Engineer's Estimate of
Probable Cost**

30712_MandanProperNW_DWRPrecon_Estimate.pdf

Separate Project Components by
Type (Storm Sewer, Sanitary
Sewer and Associated Roads,
Drinking Water and Associated
Roads, and Roads)
:

**Are You Seeking Department
of Water Resources Cost-
Share?***

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes:

30712_MandanProperNW_MeetingMinutes_10.21.25.pdf

Cover Letter:

30712_MandanProperNW_DWRPrecon_CoverLetter_FINAL.pdf

**Are You Seeking Cost-Share
for a Main Street Initiative
Related Project?:**

No

[CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.](#)

**Delineation of Costs SFN
61801:**

30712_MandanProperNW_DWRPrecon_DoC.xlsx

Type of Request:

Preconstruction

**Is This a Water Supply
Project?:**

Yes

[CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.](#)

Life Cycle Cost Analysis:

30712_MandanProperNW_DWRPrecon_LCCA.xlsx

**Is This a Rural Flood Control
Project?:**

No

**Is This a Drain
Reconstruction Project?:**

No

**Is This a Flood Recovery
Property Acquisition
Project?:**

No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?:

No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?:

Yes

Feasibility/Engineering Study Material:

24080_2025 SID PCR Amend 1.pdf

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s):

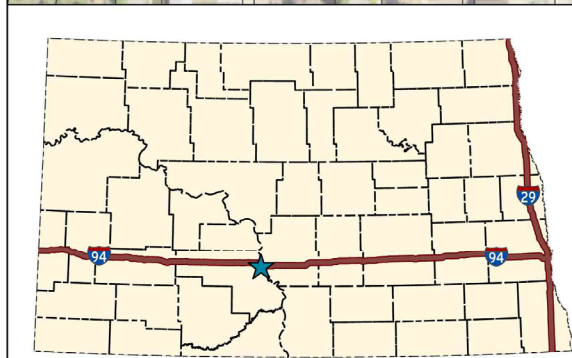
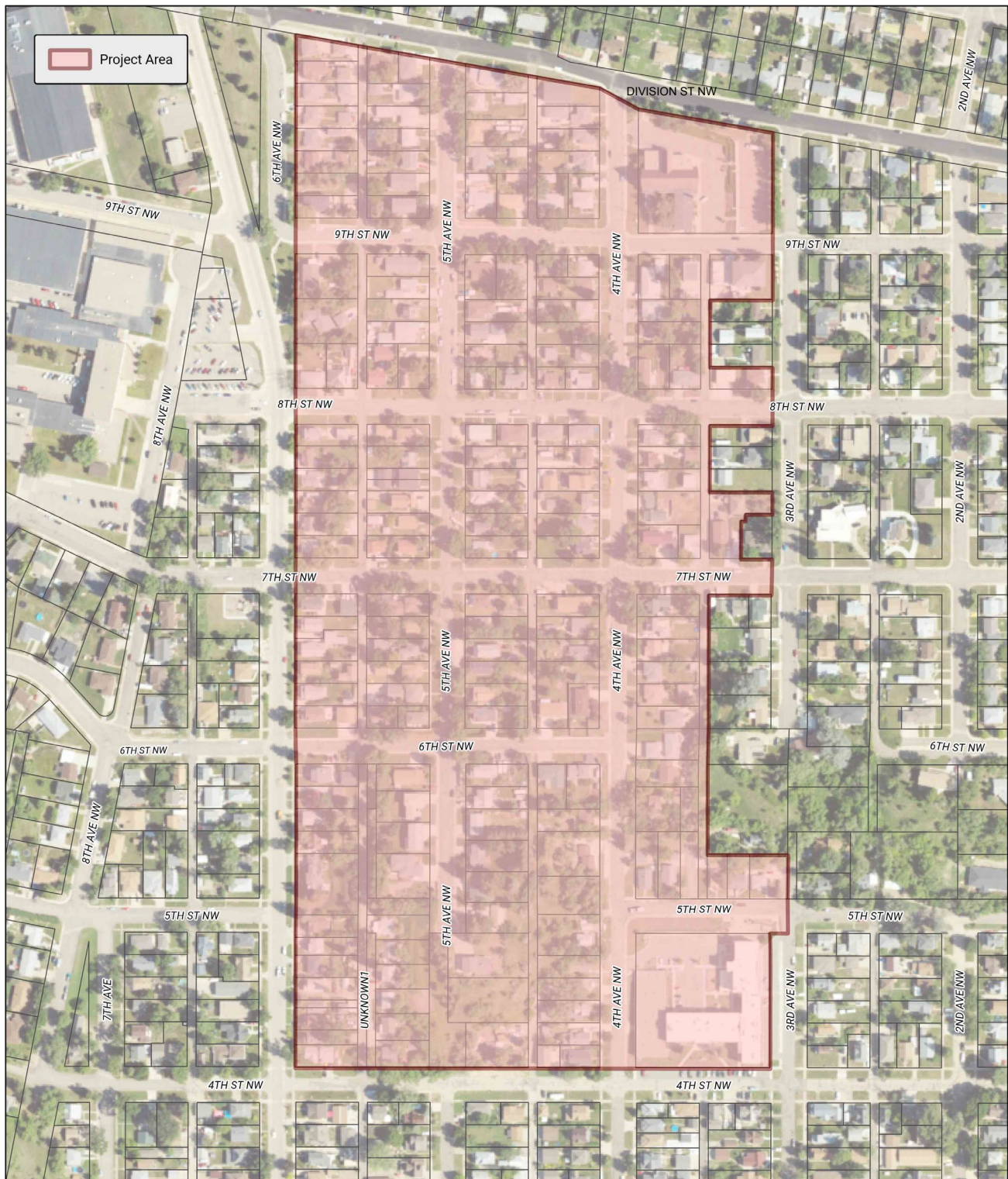
No

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

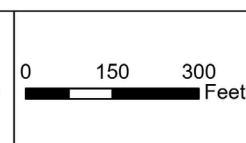
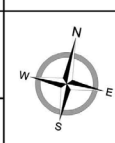
Source	If Other, Specify Funding Source	Source Status	State Fiscal			Total Cost	Type	Term	Interest Rate
			Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium				
Department		Current	\$163,800.00	\$0.00	\$0.00	\$163,800.00		0.00	0.00

of Water Resources Cost Share Pre- Construction		Request						
Department of Water Resources Cost Share Construction		Future Request	\$0.00	\$1,930,062.00	\$0.00	\$1,930,062.00	0.00	0.00
Drinking Water State Revolving Fund		Future Request	\$0.00	\$1,440,919.00	\$0.00	\$1,440,919.00	0.00	0.00
Clean Water State Revolving Fund		Future Request	\$0.00	\$2,675,992.00	\$0.00	\$2,675,992.00	0.00	0.00
Other	City/Local Funding	Already Approved	\$0.00	\$3,771,568.00	\$0.00	\$3,771,568.00	0.00	0.00
			\$163,800.00	\$9,818,541.00	\$0.00	\$9,982,341.00		



NW IMPROVEMENTS PROJECT MANDAN, NORTH DAKOTA

Created By: BAS Date Created: 10/16/2025 Date Saved: 10/16/25 Date Exported: 10/16/25
 Exported By: Brock Smith Parcel Date: State Parcel N/A Aerial Image: NAIP Elevation Date: N/A
 Horizontal Datum: NAD 1983 StatePlane North Dakota South FIPS 3202 Feet Vertical Datum: NAVD1988
 Q:\Projects\30000\30700\30712 MandanProperPH\GIS\APR\DWG Map\DWG Mandan_Proper.aprx





DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received : October 24, 2025

Project: Mandan Proper NW Improvements
Sponsor: City of Mandan
Contact: Jarek Wigness
Phone: 701.667.3227
Engineer: Grant Dockter
Phone: 701.425.1842

Total Cost : \$ 9,982,341
Ineligible Cost : \$ 6,492,571
Eligible Cost : \$ 3,489,770
Local Cost : \$ 7,888,479

Date: October 17, 2025

Cost-Share \$
\$ 2,093,862
Preconstruction : \$ 163,800
Construction : \$ 1,930,062

Project Type:

Cost-share %

Municipal Water Supply

60%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	4.1%	Mobilization	1	LS	122,500.00	\$ 122,500	60%	\$ 73,500
2	0.0%	Bonding	0		-	\$ -	60%	\$ -
3	0.0%	Insurance	0		-	\$ -	60%	\$ -
4	1.4%	Temporary Water	1	LS	40,000.00	\$ 40,000	60%	\$ 24,000
5	1.0%	Adjust Gate Valve Box	20	EA	1,500.00	\$ 30,000	60%	\$ 18,000
6	0.9%	Connection to Existing Line	5	EA	5,200.00	\$ 26,000	60%	\$ 15,600
7	3.4%	Curb Stop & Box - 1"	110	EA	900.00	\$ 99,000	60%	\$ 59,400
8	4.5%	Water Service Connection - 1"	110	EA	1,200.00	\$ 132,000	60%	\$ 79,200
9	5.2%	Water Service Line - 1"	3100	LF	50.00	\$ 155,000	60%	\$ 93,000
10	4.1%	Gate Valve & Box	20	EA	6,000.00	\$ 120,000	60%	\$ 72,000
11	3.2%	Hydrant - 6"	12	EA	8,000.00	\$ 96,000	60%	\$ 57,600
12	0.2%	Abandon Gate Valve	10	EA	450.00	\$ 4,500	60%	\$ 2,700
13	0.5%	Adjust Water Main - 12" and Under	2	EA	7,500.00	\$ 15,000	60%	\$ 9,000
14	11.8%	Water Main 8 in	3500	LF	100.00	\$ 350,000	60%	\$ 210,000
15	3.2%	Water Main 12 in	750	LF	125.00	\$ 93,750	60%	\$ 56,250
16	4.4%	Subgrade Prep & Geogrid Reinforcement	8200	SY	16.00	\$ 131,200	60%	\$ 78,720
17	5.9%	Aggregate Base Course CI 5	3500	TON	50.00	\$ 175,000	60%	\$ 105,000
18	11.5%	Superpave FAA 42/43	2270	TON	150.00	\$ 340,500	60%	\$ 204,300
19	0.6%	Concrete Valley Gutter	100	SY	175.00	\$ 17,500	60%	\$ 10,500
20	5.6%	Curb and Gutter - Type I	3000	LF	55.00	\$ 165,000	60%	\$ 99,000
21	6.1%	Sidewalk Concrete	1500	SY	120.00	\$ 180,000	60%	\$ 108,000
22	11.4%	Removals - ACP, Concrete, Hydrant, Etc	1	LS	335,500.00	\$ 335,500	60%	\$ 201,300
23	0.9%	Earthwork - Topsoil, Mulch, Seeding	3000	SY	9.00	\$ 27,000	60%	\$ 16,200
24	0.9%	Traffic Control, Testing Allowance, Storm	1	LS	26,250.00	\$ 26,250	60%	\$ 15,750
25	0.1%	Exploratory Excavation (HRS)	5	EA	800.00	\$ 4,000	60%	\$ 2,400
26	0.0%		0		-	\$ -	60%	\$ -
		Construction Sub-Total				\$ 2,685,700	60%	\$ 1,611,420
	10.0%	Contingency				\$ 268,570	60%	\$ 161,142
	29.6%	Construction Total				\$ 2,954,270	60%	\$ 1,772,562
Preconstruction Costs								
27	3.9%	Preliminary Design	1	LS	115,500.00	\$ 115,500	60%	\$ 69,300
28	5.1%	Final Design	1	LS	150,500.00	\$ 150,500	60%	\$ 90,300
29	0.2%	Bidding / Negotiations	1	LS	7,000.00	\$ 7,000	60%	\$ 4,200
30	0.0%		0		-	\$ -	60%	\$ -
31	0.0%		0		-	\$ -	60%	\$ -
	2.7%	Preconstruction Total				\$ 273,000	60%	\$ 163,800
Construction Engineering Costs								
32	8.9%	Construction Contract Management	1	LS	262,500.00	\$ 262,500	60%	\$ 157,500
33	0.0%		0		-	\$ -	60%	\$ -
34	0.0%		0		-	\$ -	60%	\$ -
35	0.0%		0		-	\$ -	60%	\$ -
36	0.0%		0		-	\$ -	60%	\$ -
	2.6%	Construction Engineering Total				\$ 262,500	60%	\$ 157,500
Other Eligible Costs								
37	0.0%		0		-	\$ -	60%	\$ -
38	0.0%		0		-	\$ -	60%	\$ -
39	0.0%		0		-	\$ -	60%	\$ -
40	0.0%		0		-	\$ -	60%	\$ -
41	0.0%		0		-	\$ -	60%	\$ -
	0.0%	Other Eligible Total				\$ -	60%	\$ -
In-eligible Costs								
42	55.0%	Ineligible Construction	1	LS	5,488,071.00	\$ 5,488,071	0%	\$ -
43	5.1%	Ineligible Preconstruction Engineering	1	LS	507,000.00	\$ 507,000	0%	\$ -
44	4.9%	Ineligible Construction Engineering	1	LS	487,500.00	\$ 487,500	0%	\$ -
45	0.1%	Legal, Bonding, Admin	1	LS	10,000.00	\$ 10,000	0%	\$ -
	65.0%	Other Ineligible Total				\$ 6,492,571	0%	\$ -
	100.0%	Total				\$ 9,982,341		
		Eligible Total				\$ 3,489,770	60%	\$ 2,093,862
Federal or State Funds That Supplant Costs								
						\$ -		
		Eligible Cost Total				\$ 3,489,770	60%	\$ 2,093,862

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor:
Project Title:

City of Mandan
Mandan Proper NW Improvements

Date:

October 29, 2025

Explanation of Alternatives:

Open Trench and Sanitary Sewer Rehabilitation (Preferred) - Replacement of Cast Iron Pipe (CIP) water mains via open cut method. Water services and curb stops will be replaced. Hydrant and gate valve spacing redesigned. Sanitary Sewer rehabilitation via trenchless method of cured-in-place PVC liner, with some spot repairs to address severe sags and collapsed pipe. Replacement of RCP storm sewer. Reconstruction of roadways from subgrade to finished grade.

Bursting and Sanitary Sewer Replacement - Replacement of CIP water mains via pipe bursting. Water services and curb stops will be replaced. Hydrant and gate valve spacing redesigned. Sanitary Sewer replaced via cured-in-place PVC liner, with some spot repairs to address severe sags and collapsed pipe. Replacement of RCP storm sewer. Reconstruction of roadways from subgrade to finished grade.

Inputs:

New Connections Served	0
Future Connections Served	0
Current Connections Served	110
Net Connections (New + Current)	110

Current CIF Balance	
Annual CIF Contribution	
Cash Funding Target (Percentage %) New Assets	
Cash Funding Target (Percentage %) Existing Assets	
Annual CIF Contribution suggested for the Project	

	Open Trench and Sanitary Sewer Rehabilitation (Preferred)	Bursting and Sanitary Sewer Replacement		
Construction Cost	\$9,982,341	\$7,897,291		
Annual O & M	\$20,000	\$20,000		

Details:

Aging infrastructure replacement.

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

	Open Trench and Sanitary Sewer Rehabilitation (Preferred)	Bursting and Sanitary Sewer Replacement		
Present Value				
Capital Costs	\$9,849,000	\$7,792,000		
O&M	\$515,000	\$515,000		
Repair, Rehab, Replacement	\$942,000	\$851,000		
Salvage Value	\$148,000	\$138,000		
Total PVC	\$11,158,000	\$9,020,000		
PV Cost Per User	\$101,436	\$82,000		

Current Water Rate (Cost Per 5000g)	\$51			
Comparable Water Rate	\$48			
Net Connections (New + Current)	110	110		
Cost-Share Percent	60%	60%		
Local Share	\$3,939,600	\$3,116,800		
Other Funding	\$0	\$0		
Total Local	\$3,939,600	\$3,116,800		
Payment Per User With Cost-Share	\$181.18	\$143.34		
Local Share	\$9,849,000	\$7,792,000		
Other Funding	\$0	\$0		
Total Local	\$9,849,000	\$7,792,000		
Payment Per User Without Cost-Share	\$452.95	\$358.35		

Explanation of Results:

The sponsor preferred project is the "Open Trench and Sanitary Sewer Rehabilitation" option. The present value cost of the preferred alternative is \$11,158,000 and the presented alternative for comparison is "Bursting and Sanitary Sewer Replacement" at a present value cost of \$9,020,000. The present value cost per user for the preferred alternative is \$101,436. The monthly user cost of the local share with DWR 60% cost-share participation is \$181.18 per month and \$452.95 without DWR participation.

	Year		Annual Population Growth Rate	Average Annual Population Increase/Decrease
ND Dept. of Commerce	2010	2023		
Population & Trends	18,331	24,586	2.6%	481

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version

Version 1.2024.04.18

October 16, 2025

Lori Noack
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: Mandan Proper NW Improvements Preconstruction Funding Request

Dear Lori:

The City of Mandan has initiated a project to replace the existing water main in the northwest portion of the Mandan Proper neighborhood. The water mains in this area include Cast Iron Pipe (CIP) that is at least 60 years old. This CIP is now well beyond its useful life, and the area has experienced 10 costly and disruptive breaks since 2015. This project will use the open cut method to replace the water main, appurtenances, and services. The water system improvements are estimated to be 35% of the total construction costs.

The project will also rehabilitate the sanitary sewer system – located in the alleys – using the trenchless method of installing a cured-in-place PVC liner. Some spot repairs will be performed to address severe sags or collapsed pipes. Additionally, the project will replace the Reinforced Concrete Pipe (RCP) storm sewers and will reconstruct the roadways from the subgrade to finished grade. Roadway reconstruction is necessary because the streets in the project area have now been overlaid several times and are beyond the point of rehabilitation.

The City has contracted with Moore Engineering Inc. (MEI) to perform preconstruction engineering services. These services include preliminary design, final design, environmental review/permitting, and bidding/negotiation. The City respectfully requests 60% cost share for these preconstruction activities.

We appreciate your willingness to support the City's efforts to provide safe, reliable, and cost-effective drinking water to its residents and visitors. If you have any questions, please feel free to contact me or the City's engineering consultant, Grant Dockter, at (701) 425-1842 or grant.dockter@mooreengineeringinc.com.

Thank you.

Sincerely,

CITY OF MANDAN, NORTH DAKOTA



Jarek Wigness
City Engineer

The Mandan City Commission met in regular session at 5:30 PM on October 21, 2025 in the Ed “Bosh” Froehlich Meeting Room at City Hall, Mandan, North Dakota. Mayor Froelich called the meeting to order.

A. ROLL CALL

1. *Roll call of all City Commissioners.* Those present were Dennis Rohr, Mike Braun, James Froelich, Craig Sjoberg, Ryan Heinsohn. Department heads present were City Administrator Neubauer, Finance Director Welch, Assistant Finance Director Schulz, Assessor Markley, Human Resource Director Berger, City Engineer Wigness, Assistant City Engineer McAdoo-Roesler, Police Chief Ziegler, Building Official Singer, Fire Chief Bitz, Public Works Director O'Keefe, Contracted Planner Laqua, CIS Manager Mischel, Administrative Assistant Newman, and Attorney Sand.

B. THE PLEDGE OF ALLEGIANCE

C. ANNOUNCEMENTS

1. *Morton Mandan Public Library ND Tourism Grant Award.* Library Director Barb Sandstrom presented.
2. *Construction Update.* City Engineer Wigness presented.
3. *Mandan Art Alley Ribbon Cutting Wednesday, October 22, 2025, at 5:15 p.m..* Mayor James Froelich presented.
4. *Mandan Progress Organization Mix & Mingle Dakota Kustomz, Thursday, October 23, 2025, 5-7 p.m. RSVP to Mandan Progress Organization. Register at the VisitMandan.com site.* Mayor James Froelich presented.

D. PUBLIC COMMENT

1. *The Mandan City Commission values public input. To speak, submit a completed speaker card before the meeting begins. Comments must relate to an item on the current or previous meeting agenda. Speakers have 3 minutes each, in the order cards are received. The total comment period is limited to 30 minutes..*

E. APPROVAL OF AGENDA Commissioner Rohr moved and Commissioner Sjoberg seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

F. MINUTES

1. *Consider approval of the October 7, 2025 Board of City Commission Meeting Minutes.* Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 0, Nay 0. The motion passed.

G. PUBLIC HEARING

H. BIDS

1. *Consider awarding bids for Street Improvement District 240, Shores at Lakewood Phase II.* City Engineer Wigness presented. Commissioner Rohr moved and Commissioner Sjoberg seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

I. CONSENT AGENDA Commissioner Heinsohn moved and Commissioner Rohr seconded to approve item number 1 and item numbers 3 through 8. Roll Call vote: Aye 5, Nay 0. The motion passed. Commissioner Heinsohn moved and Commissioner Rohr seconded to approve item number

1 and item numbers 3 through 8. Roll Call vote: Aye 5, Nay 0. The motion passed.

1. *Consider approval of monthly bills.*

2. *Considering removing hook-up fees that are held in abeyance for Red Trail Holding properties related to Sewer Improvement District 144.* Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

3. *Consider approval for the engineering department to apply for the special road fund through the NDDOT for the Redwing Drive project.*

4. *Consider an amendment to the 2026 Fire Department Budget - SAFER grant.*

5. *Consider approving a Department of Water Resources preconstruction funding application for Mandan Proper NW.*

6. *Consider scheduling a Public Hearing for December 2, 2025 to consider the vacation of a portion of Living Water Drive.*

7. *Consider approval for the Mandan Police Department to close the 200 Block of 1st Ave NW on Friday, October 31, 2025, from 3:30 p.m. to 6:30 p.m..*

8. *Consider a minor plat for Kendalls 2nd Addition.*

J. OLD BUSINESS

K. NEW BUSINESS

1. *Consider request from Mandan Progress Organization related to the July 3, 2026 United States 250th Celebration Fireworks Show.* Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve \$50,000 funding assistance to the Mandan Progress Organization from the City of Mandan's 2% occupancy tax promotion fund for the U.S. 250th Celebration Fireworks Show. Roll Call vote: Aye 4, Nay 1 Dennis Rohr. The motion passed.

2. *Consider the proposal from Starion Bank for the City's sale of Definitive Improvement Warrants and Refunding Improvement Bonds.* Finance Director Greg Welch presented. Commissioner Heinsohn moved, and Commissioner Braun seconded to approve the Resolution Creating the Funds of Improvement Districts and Authorizing the Issuance of Improvement Warrants. Roll Call vote: Aye 5, Nay 0. The motion passed. Commissioner Heinsohn moved, and Commissioner Braun seconded to approve the Resolution Authorizing the Issuance of \$8,717,190 Refunding Improvement Bonds, Series 2025. Roll Call vote: Aye 5, Nay 0. The motion passed.

3. *Long-Term Financial Planning Policy.* Assistant Finance Director Shulz presented. Commissioner Rohr moved and Commissioner Sjoberg seconded to approve the update to the Long-Term Financial Planning Policy. Roll Call vote: Aye 5, Nay 0. The motion passed.

4. *Consider submitting a Highway Safety Improvement Program grant application to the Metropolitan Planning Organization.* City Engineer Wigness presented. Commissioner Sjoberg moved and Commissioner Heinsohn seconded to authorize the Engineering Department to submit a Highway Safety Improvement Program application for the Sunset Drive & 27th Street roundabout. Roll Call vote: Aye 5, Nay 0. The motion passed.

5. *Consider submitting an Urban Grant Program application to the Metropolitan Planning Organization.* City Engineer Wigness presented. Commissioner Braun moved and Commissioner Rohr seconded to authorize the Engineering Department to submit an Urban Grant Program application for Phase 2 of the Downtown Street Improvement project. Roll Call vote: Aye 5, Nay 0. The motion passed.

L. RESOLUTIONS AND ORDINANCES

1. *Consider the introduction and first consideration of Ordinance No. 1478 to Amend and Re-enact Section 117-3-7(2) of the Mandan Code of Ordinances, Relating to Coverage Ratio for Water and Sewer Revenue Bonds.* Finance Director Welch presented. Commissioner Heinsohn moved and Commissioner Braun seconded to approve the introduction and first consideration of Ordinance No. 1478 to Amend and Re-enact Section 117-3-7(2) of the Mandan Code of Ordinances, Relating to Coverage Ratio for Water and Sewer Revenue Bonds. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Consider the introduction and first consideration of Ordinance No. 1479, Relating to Restricted Parking of Certain Vehicles and Trailers.* Attorney Sand presented. Commissioner Sjoberg moved and Commissioner Rohr seconded to approve the introduction and first consideration of Ordinance No. 1479 as presented. Roll Call vote: Aye 5, Nay 0. The motion passed.

3. *Consider Resolution establishing Rates and Charges for Services from the Solid Waste Utility Fund.* Public Works Director O'Keefe presented. Commissioner Heinsohn moved, and Commissioner Braun seconded to approve the Resolution establishing rates and charges for services from the Solid Waste Utility Fund. Roll Call vote: Aye 5, Nay 0. The motion passed.

M. OTHER BUSINESS

N. FUTURE MEETING DATES FOR BOARD OF CITY COMMISSIONERS

- *November 4, 2025 at 5:30 p.m.*
- *November 18, 2025 at 5:30 p.m.*
- *December 2, 2025 at 5:30 p.m.*

O. ADJOURN There being no other business to come before the Board, the meeting adjourned at 6:26 p.m.

James Neubauer
City Administrator

James Froelich
Board of City Commissioners

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: NDSWC Joint Funding Agreement – ND Department of Water Resources (DWR)
3D Hydrography Program (3DHP) for ND Phase 1

DATE: October 29, 2025

Background & Description

The Department of Water Resources (DWR) requests funding for the 3D Hydrography Program (3DHP) for North Dakota – Phase I (Project). This Project is a cooperative effort between DWR, the Natural Resources Conservation Service (NRCS), and the United States Geological Survey (USGS) to enhance water resource data across North Dakota. The USGS established the 3DHP to remap the nation's surface waters using existing LiDAR datasets, generating a significantly higher-resolution dataset that more accurately represents landscape features such as stream gradients and channel conditions. With funding from DWR and NRCS, DWR would partner with USGS to develop 3DHP data for two of North Dakota's HUC8 basins—Devils Lake and Middle Sheyenne—collectively referred to as Phase I. If NRCS increases its funding contribution, a third basin (the Lower Sheyenne) could also be included. The 3DHP data will support DWR's efforts in surface water management, flood protection, and mitigation, and will improve response to stream crossing determinations and illegal drainage complaints. The data will also be publicly available for use by other state agencies and stakeholders.

Supplemental Information

Water Development Plan	No
Benefit-Cost Ratio	NR

(NR) Not Required

Schedule

Task	Dates
Completion	January 2028

Funding Summary

	Project Funding	Recommend
Natural Resources Conservation Service	\$226,185	
Department of Water Resources	\$550,000	
Total	\$776,185	
Funding Request	\$550,000	\$550,000

I recommend approval of this request by the ND Department of Water Resources for state cost participation in the 3DHP for ND Phase 1 at an amount not to exceed \$550,000. This approval is contingent on available funding.

RH:bn:af/2254

Water Development Plan: No

1086677 - 3DHP for North Dakota - Phase 1

Application Details

Funding Opportunity:	Initial Submit Date:	Oct 28, 2025 1:29 PM
1085949-July 2025 - June 2026 Infrastructure Request	Initially Submitted By:	Aaron Carranza
Funding Opportunity Due Date:	Last Submit Date:	
Jun 30, 2026 3:00 PM	Last Submitted By:	
Program Area:		
Funding for Infrastructure in ND - FIND		
Status:		Submitted
Stage:		Final Application

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Mr. Aaron Carranza
	Salutation First Name
Middle Name	Carranza
	Last Name
Title:	
DWR Regulatory Division Director	
Email*:	acarranza@nd.gov
Address*:	1200 Memorial Highway

Organization Information

Status*:	Approved
Name*:	ND Department of Water Resources
Organization Type*:	State Government
Tax Id:	
Organization Website:	
Address*:	900 E Boulevard Ave

	Bismarck	North Dakota		Bismarck	North Dakota
	City	State/Province		City	State/Province
58504			58505-_____		
Postal Code/Zip			Postal Code/Zip		
Phone*:	(701) 328-4813	Ext.	Phone*:	701-328-4952	Ext.
	Phone			###-###-####	
	###-###-####		Fax:	###-###-####	
Fax:	###-###-####		Vendor ID:		
Comments:			PeopleSoft		
			Supplier ID:		
			Comments:		
			Location		
			Code:		

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:	USGS/NRCS 3DHP Partnership
Sponsor(s)*:	Department of Water Resources
County*:	Statewide
City*:	BISMARCK
Description of Request*:	New
Project Type:	Other
If Project is a Study, What Type?:	Other
If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:	
Jurisdictions/Stakeholders Involved*:	
	Department of Water Resources (DWR), United States Geological Survey (USGS), Natural Resources

Conservation Service (NRCS)

**Describe the Problem/Need
and the Circumstances that
Led to This Application*:**

The current USGS National Hydrography Dataset (NHD) in North Dakota (also known as the USGS Blue Lines) is based on course topography derived from USGS quadrangle maps. The NHD is a 1:24,000 scale mapping program that ran from 1947 to 1992. In 2023, the USGS officially retired the NHD (meaning no further updates to the NHD will be made) and focused efforts to remap the nation's hydrography using high-quality elevation data (LiDAR).

**Describe the Proposed or
Chosen Solution(s) to
Address the Problem/Need*:**

The USGS 3D Hydrography Program (3DHP) is the first systematic remapping since the NHD. 3DHP is the hydrography portion of the USGS's 3D National Topography Model (3DNTM). 3DHP will leverage available LiDAR datasets to generate a substantially higher resolution data model. 3DHP will unlock a more intuitive and robust end-user experience that will drastically enhance decision making at all levels, from homeowners to federal agencies and everyone in between. However, while the 3DHP program officially started in 2023, minimal federal appropriations were allocated for the project.

**Describe the Objectives or
Goals Specific to This
Application*:**

USGS and NRCS partners approached the DWR with an opportunity to begin phase 1 of North Dakota's transformation in to 3DHP. The USGS has a program called the Data Collaboration Announcement (DCA) to cost-share with states on 3DHP efforts. Additionally, the NRCS state office identified available funding that would help cover the USGS share, all but assuring approval of the DWR's DCA form (application). This will enable North Dakota to invest almost \$1 million into 3DHP by covering up to 3 HUC 8 basins in the state.

**Describe the Scope of Work
or Project Activities Specific
to This Application*:**

The SWC will provide up to \$550,000 in cost-share to the USGS to implement phase 1 of this transformation. The USGS will leverage ND's Quality Level 2 LiDAR information to develop 3DHP products for up to 3 HUC 8 basins in the state (see enclosed Data Collaboration Announcement form).

For this project,

**Choose City, County, Water
District or Other*:** Other

**What is the Current
Estimated Population?*** 796568

For this project,

What is the Benefited Population?* :	796568
Have Assessment Districts Been Formed?* :	N/A
Have Land or Easements Been Acquired?* :	N/A
Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?* :	Yes
Are There Any Road Improvements Included as Part of the Project?* :	No
Have You Applied For Any Federal Permits?* :	N/A
Have You Applied for any State Permits?* :	N/A
Have You Applied for any Local Permits?* :	N/A
Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?* :	No
Have You Received, or Do You Anticipate Receiving Federal Funding? (Example: Hazard Mitigation Grant Program) *:	No

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: January 2028

Design Completion*: Not Applicable

Bid*: Not Applicable

Construction Start*: Not Applicable

Construction Completion*: Not Applicable

Explain Additional Timeline Issues*:

Subject to United States government operating with full agency appropriations.

Consulting Engineer*: Not Applicable

Engineer Direct Phone Number*: 701-328-2750

Engineer Email*: dwr@nd.gov

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Authorized Individual*: Aaron Carranza 10/28/2025
First Name Last Name Date

Title/Position/Authority*: Regulatory Division Director - DWR

Address*: 1200 Memorial Highway
Address Line 1
Address Line 2
BISMARCK North Dakota 58504-____
City State Zip Code

Direct Phone Number*: 701-328-4813

Sponsor Email*: acarranza@nd.gov

Are You Seeking Department of Water Resources Cost-Share?* No Last Name

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*: No

[CLICK HERE to see examples.](#)

Project Specific Map Screenshot 2025-10-28 at 12.15.378239PM.png
Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community
*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?* No

Are You Seeking Department of Water Resources Cost-Share?* Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: Minutes - Not Available.pdf

Cover Letter: DWR Cover Letter.pdf

**Are You Seeking Cost-Share
for a Main Street Initiative
Related Project?:**

No

[CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.](#)

**Delineation of Costs SFN
61801:** sfn_61801_delineation_of_cost_3DHP.xlsx

Type of Request: Study

**Is This a Water Supply
Project?:** No

**Is This a Rural Flood Control
Project?:** No

**Is This a Drain
Reconstruction Project?:** No

**Is This a Flood Recovery
Property Acquisition
Project?:** No

**If Request is for Construction
of a Community Flood
Control or Water Conveyance
Project (Excluding
Assessment Drain Projects),
is the Total Construction
Cost \$200,000 or More?:** No

**Sovereign Land Permit, if
Required for Construction
Request:**

**DWR Construction Permit, if
Required for Construction
Request:**

**Conditional Letter of Map
Revision (CLOMR), if
Required for Construction
Request:**

Has a Feasibility/Engineering Study Been Completed for the Project?: No

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s): Yes

Other Applicable Document: FY26 DCA 3DHP-A - DCA Project Summary Form v1.pdf

Other Applicable Document: FY26 DCA 3DHP-D -Validation of Proposed Funding Partners.pdf

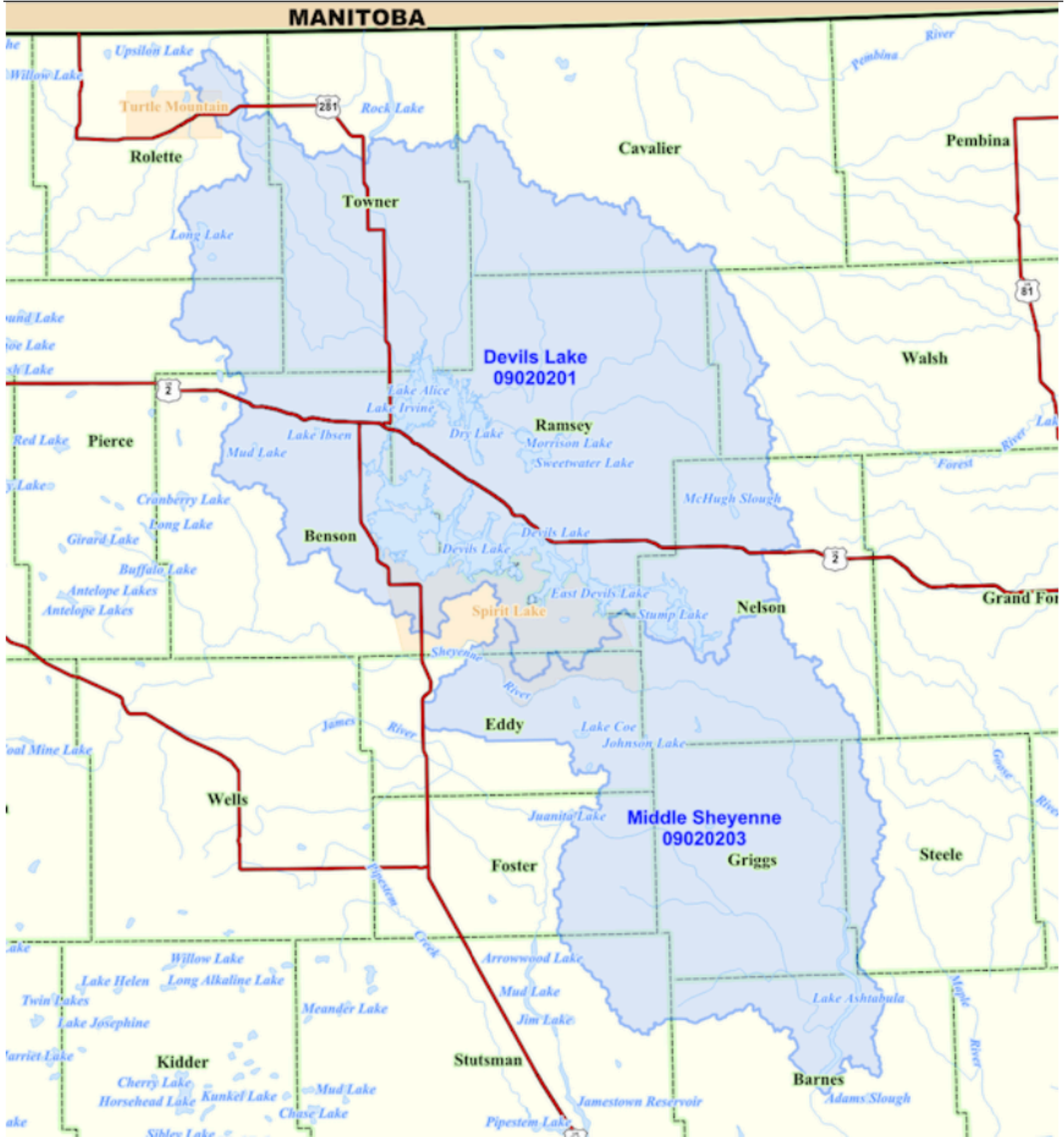
Other Applicable Document: USGS 3DHP Overview.pdf

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 2			Total Cost	Type	Term	Interest Rate
			Year 1 July to June	July to June	Beyond Current Biennium				
Department of Water Resources Cost Share Pre-Construction		Current Request	\$550,000.00	\$0.00	\$0.00	\$550,000.00	Grant	0.00	0.00
			\$550,000.00	\$0.00	\$0.00	\$550,000.00			

MANITOBA





DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received : October 28, 2025

Project: 3DHP for North Dakota - Phase 1
Sponsor: Department of Water Resources
Contact: Aaron Carranza, Regulatory Division Director
Phone: 701_328_4813
Engineer: N/A
Phone: N/A

Total Cost : \$ 776,185
Ineligible Cost : \$ 226,185
Eligible Cost : \$ 550,000
Local Cost : \$ 226,185

Date: October 28, 2025

Cost-Share \$

\$ 550,000

Preconstruction : \$ -
Construction : \$ 776,185

Project Type:

Cost-share %

Other (100%)

100%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
		Construction Costs						
1	%	Mobilization	1	LS	-	-	100%	\$ -
2	#DIV/0!	Bonding	0		-	-	100%	\$ -
3	#DIV/0!	Insurance	0		-	-	100%	\$ -
4	#DIV/0!		0		-	-	100%	\$ -
5	#DIV/0!		0		-	-	100%	\$ -
6	#DIV/0!		0		-	-	100%	\$ -
7	#DIV/0!		0		-	-	100%	\$ -
8	#DIV/0!		0		-	-	100%	\$ -
9	#DIV/0!		0		-	-	100%	\$ -
10	#DIV/0!		0		-	-	100%	\$ -
11	#DIV/0!		0		-	-	100%	\$ -
12	#DIV/0!		0		-	-	100%	\$ -
13	#DIV/0!		0		-	-	100%	\$ -
14	#DIV/0!		0		-	-	100%	\$ -
15	#DIV/0!		0		-	-	100%	\$ -
16	#DIV/0!		0		-	-	100%	\$ -
17	#DIV/0!		0		-	-	100%	\$ -
18	#DIV/0!		0		-	-	100%	\$ -
19	#DIV/0!		0		-	-	100%	\$ -
20	#DIV/0!		0		-	-	100%	\$ -
21	#DIV/0!		0		-	-	100%	\$ -
22	#DIV/0!		0		-	-	100%	\$ -
23	#DIV/0!		0		-	-	100%	\$ -
24	#DIV/0!		0		-	-	100%	\$ -
25	#DIV/0!		0		-	-	100%	\$ -
26	#DIV/0!		0		-	-	100%	\$ -
		Construction Sub-Total				\$ -	100%	\$ -
	0.0%	Contingency				\$ -	100%	\$ -
	0.0%	Construction Total				\$ -	100%	\$ -
		Preconstruction Costs						
27	#DIV/0!		0		-	\$ -	100%	\$ -
28	#DIV/0!		0		-	\$ -	100%	\$ -
29	#DIV/0!		0		-	\$ -	100%	\$ -
30	#DIV/0!		0		-	\$ -	100%	\$ -
31	#DIV/0!		0		-	\$ -	100%	\$ -
	0.0%	Preconstruction Total				\$ -	100%	\$ -
		Construction Engineering Costs						
32	#DIV/0!		0		-	\$ -	100%	\$ -
33	#DIV/0!		0		-	\$ -	100%	\$ -
34	#DIV/0!		0		-	\$ -	100%	\$ -
35	#DIV/0!		0		-	\$ -	100%	\$ -
36	#DIV/0!		0		-	\$ -	100%	\$ -
	0.0%	Construction Engineering Total				\$ -	100%	\$ -
		Other Eligible Costs						
37	100.0%	Other	1		776,185.00	\$ 776,185	100%	\$ 776,185
38	0.0%		0		-	\$ -	100%	\$ -
39	0.0%		0		-	\$ -	100%	\$ -
40	0.0%		0		-	\$ -	100%	\$ -
41	0.0%		0		-	\$ -	100%	\$ -
	100.0%	Other Eligible Total				\$ 776,185	100%	\$ 776,185
		In-eligible Costs						
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
	100.0%	Total				\$ 776,185		
		Eligible Total				\$ 776,185	100%	\$ 776,185
		Federal or State Funds That Supplant Costs						
						\$ 226,185		
		Eligible Cost Total				\$ 550,000	100%	\$ 550,000

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.



October 28, 2025

Lieutenant Governor Michelle Strinden
Chair, State Water Commission
600 E Boulevard Avenue
Bismarck, ND 58505

RE: Cost-Share Request for USGS 3DHP Data Collaboration

Lt. Governor Strinden,

In late summer 2025, Department of Water Resources (DWR) staff were approached by representatives of the United States Geological Survey (USGS) and the Natural Resources Conservation Service (NRCS) with an opportunity to improve water resource information in North Dakota.

NRCS had unobligated funds that were available to be leveraged towards a Data Collaboration Announcement through the USGS to begin development of 3D Hydrography Program (3DHP) data for up to 3 Hydrologic Unit Code 8 basins in North Dakota. This new data type would be a tectonic shift in the quality of publically-available information on how water flows in and across the state.

DWR Director Haase, in order to preserve the opportunity for State Water Commission future action, signed the unobligatory "Validation of Proposed Funding Partners" on September 12, 2025, to meet application deadlines of the federal partners.

With the State Water Commission's support and investment of up to \$550,000, the State of North Dakota will be in a position to leverage its quality level 2 LiDAR to begin the implementation of next-level decision making water management information.

Sincerely,

A handwritten signature in blue ink that reads "Aaron J. Carranza".

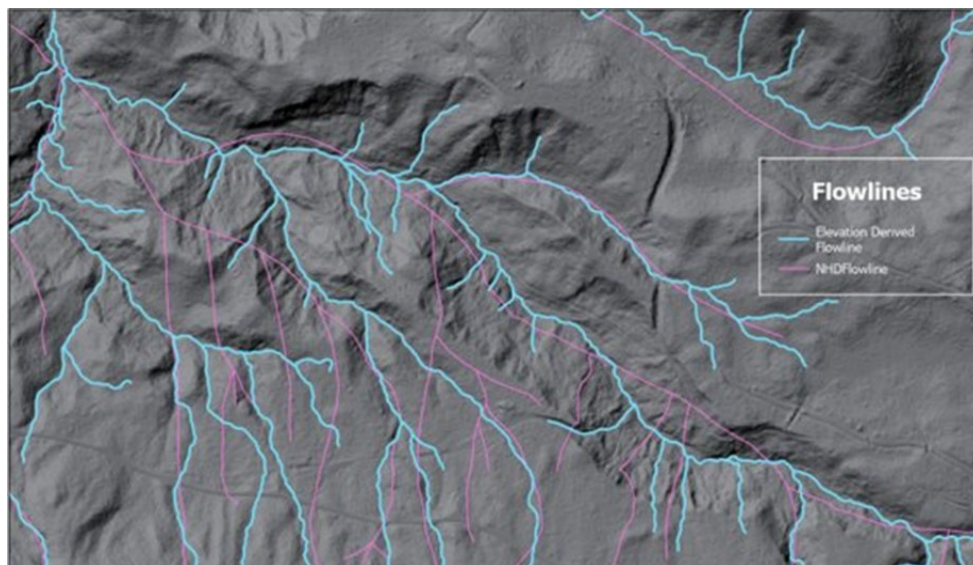
Aaron Carranza, P.E., CFM
Regulatory Division Director

3D Hydrography Program Overview

In Federal Fiscal Year (FY) 2024, the USGS initiated the 3D Hydrography Program (3DHP), the first systematic remapping of the Nation's surface waters since the original 1:24,000-scale topographic mapping program was active from 1947 to 1992. The 3DHP is the hydrography component of the U.S. Geological Survey 3D National Topography Model (3DNTM).

The 3DHP datasets will include a three-dimensional (3D) hydrography network generated from and integrated with elevation data from the 3D Elevation Program (3DEP) to better represent stream gradients and channel conditions, along with waterbodies, hydrologic units, hydrologically enhanced elevation and other surfaces, and more consistent and accurate attributes.

3DHP is following a collaborative funding model, similar to 3DEP, that would benefit from investments by Federal, state, local, and Tribal organizations for shared data acquisition costs. For example, approximately 62 percent of the total funding that has come to 3DEP has been from partnerships (please refer to [3DEP By The Numbers | U.S. Geological Survey \(usgs.gov\)](#) for more information). Data maintenance and distribution costs, as well as data contracting, validation, and processing, and distribution expenses would be included in the core USGS budget for the 3DHP. More detail about 3DHP is available in the recently published in [The 3D National Topography Model Call for Action—Part 1. The 3D Hydrography Program \(usgs.gov\)](#)



The graphic above shows a hillshade of the lidar-based 3DEP DEM, with the NHD (derived from the topographic map) in magenta and the new 3DHP flowlines (derived from 3DEP data) in blue overlaid for an area of Washington state. Notice the much closer alignment between the DEM and the flowlines in 3DHP.

Benefits

More than three-quarters of the flowlines in North Dakota and watersheds adjacent to the state are derived from the original 1:24,000-scale maps. These older data do not reflect landscape changes that have occurred since the original topographic map surveys were completed and do not align with the newer, high precision 3DEP elevation data. Responses to the [USGS Hydrography Requirements and Benefits study](#) (HRBS) indicated that FEMA flood mapping studies and databases frequently use NHD datasets and would use 3DHP datasets more extensively if the currency and resolution of the data were improved nationally. In addition, FEMA's flood mapping studies and databases would benefit from higher quality or more granular hydrography data. These

benefits would be realized from reduced costs to acquire and standardize data and to delineate catchments and flowpaths.

The 3DHP directly supports better decision making across many applications by providing more accurate, complete, and integrated information than is currently available. These applications include environmental management, restoration, and conservation, water resources and water quality management, emergency and disaster response, and infrastructure development, many of which were identified as critical to the state of North Dakota in the HRBS. 3DHP data will support FEMA mission-critical activities including hydrologic and hydraulic modeling, flood mapping, and flood hazard data visualization and dissemination.

Data Acquisition for 3DHP

3DHP uses a partnership-based acquisition model in alignment with the process used for 3DEP data acquisition. Collection of elevation-derived hydrography (EDH) for input to the 3DHP database is done by experienced private sector mapping firms managed through the USGS [Geospatial Products and Services Contract](#) (GPSC). EDH is a general term used for any digital representation of surface water features like streams, lakes, and other hydrographic features that are derived from an elevation surface or Digital Elevation Model (DEM). EDH is created using algorithms that identify channels and depressions in the DEM that represent natural surface-water flow paths. EDH for input to 3DHP is derived from existing 3DEP elevation data that has already been collected for the project area and is integrated, both horizontally and vertically, with source elevation.

Costs for data acquisition vary based on the complexity of the hydrography being collected and the terrain. Low relief agricultural and coastal areas and areas with extensive human infrastructure like canals and road crossings are more difficult and costly to acquire than areas of steep terrain or with less human alterations to natural flow patterns. The cost of data acquisition is based on the total area of the watershed or hydrologic units in the project. Estimates between \$130 and \$160/square mile can be used for project planning. A six-percent administrative charge is assessed on GPSC contracts to help cover contract administration costs.

EDH data acquired by GPSC contractors is validated by USGS to ensure it meets the requirements outlined in the [USGS Elevation-derived Hydrography Specifications](#). The contractor is required to correct errors until the data pass the validation process. Data acquisition and validation are expected to take from 12 to 18 months to complete depending on the project size and complexity of the hydrographic features in the area being collected.

Once the data are validated and accepted by USGS, it will be ingested into the national 3DHP dataset and made publicly available. Important attributes like official feature names and feature types (stream, lake, canal, etc.) will be added as the data are loaded into the database. In addition, catchments that define the drainage area of the hydrologic features will be created, and information that supports network navigation and flow analysis will be added. The resulting data deliverables are 3D flow lines and drainage areas integrated with the 3DEP DEM. The flowlines and water bodies provide gradient information, but do not include bathymetry. Finally, the 3D flow lines will be used to produce a hydro-enforced digital elevation surface, including appropriate breaching of roads and other flow obstructions. This surface will provide a standardized surface for use in hydrologic and hydraulic modelling applications.

**US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program**

3DHP-A: DCA Project Summary Form

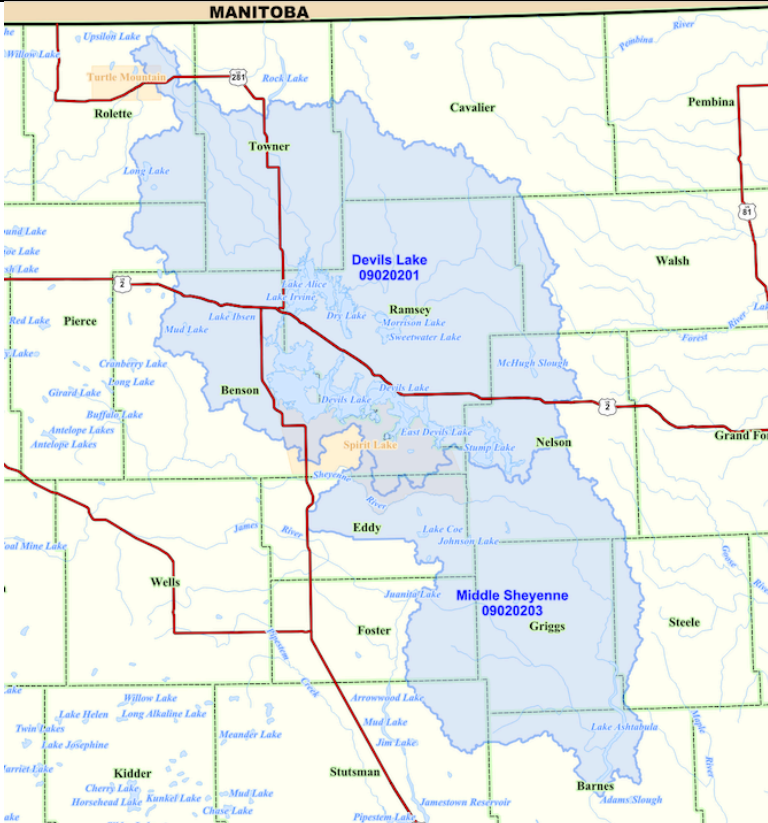
Project Summary for the Collection of Elevation-Derived Hydrography Data for 3DHP

Instructions: Enter text or value as appropriate. Where prompted, **hit TAB** to register the entry and calculate values in other parts of the project summary form.

Organization: North Dakota Dept of Water Resources	Date: 9/12/2025
Organization Unique Entity Identifier: R36UJE93SGX8	
First Name: Rod	Last Name: Bassler
Title: GIS Coordinator	
Street Address: 1200 Memorial Highway	
City: Bismarck	State: ND Zip Code: 58504
Email Address: rbassler@nd.gov	Phone: (701)328-4998
Additional Details or Clarifications:	

Project Title: <i>300 characters maximum</i>	North Dakota 3DHP Phase 1
Project Summary: <i>3000 characters maximum</i>	<p>Please provide a summary of your project. Summary should include purpose and justification of the data acquisition submission and relationship of project to existing, in-work, or planned data acquisitions.</p> <p>The North Dakota Dept of Water Resources is a multi-faceted agency focused on the effective use, protection and management of water resources in the state. The agency relies on highly accurate surface hydrology data to aid in flood protection and mitigation, overland flow modeling, public and private water supply, and protecting and ensuring adequate water supplies for agricultural and industrial use.</p> <p>3DHP data development from our QL2 LiDAR will be particularly helpful in the first two proposed HU8s to address many issues related to overland flow and watershed management planning. The precise stream and waterbody networks derived from the LiDAR will help the NDDWR respond to requests such as determination of surface water flow for appropriate highway construction, evaluating complaints of illegal drainage, channel and drain management/maintenance decisions, flooding issues and stream crossing determinations. The data will also then be available for other state agencies to use, such as in the assessment and modeling of chemical spills and contamination runoff.</p>

US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program

<p>Project Synopsis: 1000 characters maximum</p>	<p>The USGS releases a list of projects receiving funds from the 3DHP. Please provide a short synopsis of your project suitable for publication should your project be selected.</p> <p>The precise stream and waterbody networks derived from the LiDAR will help the NDDWR respond to requests such as determination of surface water flow for appropriate highway construction, evaluating complaints of illegal drainage, channel and drain management/maintenance decisions, flooding issues and stream crossing determinations. The data will also then be available for other state agencies to use, such as in the assessment and modeling of chemical spills and contamination runoff.</p>
<p><i>Acknowledgement required; please read and check box</i></p>	<p><input checked="" type="checkbox"/> The applicant agrees to the release of this project summary should this project submission be selected.</p>
<p>Hydrography Case Studies: <i>Acknowledgement required; please read and check Yes or No</i></p>	<p>The USGS is interested in how recipients use elevation-derived hydrography data to support their mission or business objectives. If this project is selected, do you give permission for the USGS to contact you following project completion to ask questions about the utilization of the data.</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Project Map:</p>	<p>Insert a jpeg or other picture by clicking on the center of the image box below or by using copy (CTRL-C)/paste (CTRL-V).</p> 

**US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program**

GEOGRAPHIC EXTENT OF PROJECT

Project GIS File:	<p>A vector GIS file defining the location and coverage area of your project is required for project submission. Your project area must be represented by a polygon in shapefile, geopackage, or KML/KMZ format. The file name should use the following naming convention: ST_Geographic_Description where:</p> <p>ST= State Abbreviation (ex. AL. or UT); AND Geographic Description (ex. Blue_Arrow_Watershed or Eastern_Utah)</p> <p><i>Note: Minimum shapefile components required are: .shp, .sbx, .dbf, .prj.</i></p>
3DHP Project Boundary Creation and Delivery:	<p>The project shapefile, geopackage, or KML/KMZ file must be produced from the final, static published version of the USGS Watershed Boundary Dataset (WBD)</p> <p><u>09/11/2025</u> Date of WBD Download (MM/DD/YYYY)</p>
<i>Acknowledgement required; please read and check box</i>	<p><input checked="" type="checkbox"/> A project vector GIS file with proper file name and format has been submitted as a part of the project submission package. The file has been projected to NAD 1983 (2011) Contiguous USA Albers (EPSG 6350).</p>
State(s):	<u>ND</u>
Geographic Extent:	<p><input checked="" type="checkbox"/> HU8</p> <p><input type="checkbox"/> HU10</p> <p><input type="checkbox"/> HU12 (requires prior approval by emailing 3DHP_DCA@usgs.gov)</p>
Square Miles:	<p><u>5858</u> <i>Note: Please hit TAB after entering square miles to auto-populate "Square Miles" field in project finance tables.</i></p>
List Hydrologic Units (comma separated):	<p>09020201,09020203</p>

**Hit TAB to
complete
input**

US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program

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DATA SPECIFICATION

Data must adhere to the most current USGS Elevation-Derived Hydrography Data Acquisition Specification and Representation Extraction Attribution and Delineation (READ) rules (www.usgs.gov/3DHP/HydroSpecs).

Final Project Completion:	<p>Estimated project completion for elevation-derived hydrography projects is 18 to 24 months. Project deliverables <u>must be ingested to the 3DHP dataset</u> at the end of the performance period.</p>
<i>Acknowledgement required; please read and check box</i>	<p>The applicant agrees to provide all project deliverables to the USGS without use restrictions upon final acceptance of the</p> <p><input checked="" type="checkbox"/> project deliverables from hydrography data acquisition contractor.</p>

APPROACH TO DATA ACQUISITION

Project Approach: <i>Select Only One Option</i>	<p>USGS Geospatial Products and Services Contract (GPSC)</p> <p>Applicant enters into agreement with the USGS GPSC to acquire data. The USGS National Geospatial Program's preferred method</p> <p><input checked="" type="checkbox"/> of data acquisition is through the GPSC, a multiple award data acquisition vehicle that is designed to utilize the team of firms on the contract for services needed to accomplish 3DHP data acquisition. Continue on Page 5</p>
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**US Geological Survey
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3D Hydrography Program**

Cooperative Agreement

- ☐ Applicant manages data acquisition (*Technical approach is **required** on page 6*). **Continue on Page 6**

Project Approach: *USGS Geospatial Products and Services Contract (GPSC)*

<p>Suggested Source (Optional if selected project approach is GPSC) <i>300 characters maximum</i></p>	<p>(Optional) Please identify a suggested GPSC contractor if one has participated in the planning or partnership of this project. Only <u>one</u> GPSC contractor can be identified. If a suggested source is identified a rationale must be provided below.</p> <p>Fugro USA Land, Inc. 4991 New Design Road Frederick MD 21703</p>
<p>Rationale for Suggested Source (Only for GPSC): <i>3000 characters maximum</i></p>	<p>Rationale for Suggested Source including how the contractor has participated in the planning or partnership of the project and their IDIQ number. Reminder, only <u>one</u> GPSC contractor can be identified. If more than one GPSC contractor is identified the suggested source will be invalidated.</p> <p>IDIQ# 140G0221D0010 The ND Dept of Water Resources has worked extensively with Fugro for the last 15 years in collection of over 125,000 square miles of QL3 and QL2 LiDAR data. We are very familiar with their project management and technical teams and are very satisfied with the quality and consistency of their deliverables. On the rare occasion when errors are found, they have always responded in a timely and efficient manner, sometimes correcting errors that are long past their evaluation periods and technically no longer their responsibility. They understand our desire for the best quality product we can obtain and respectfully adjust their schedules and priorities accordingly.</p>

**US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program**

Project Approach: *Cooperative Agreement*

**Technical Approach
(Only for
Cooperative
Agreement)**

*5000 characters
maximum*

Please provide a qualifications statement describing your proposed technical approach for acquiring and performing quality assurance of elevation-derived hydrography. Include information on your approach to selecting a vendor. If a vendor has already been selected, please provide a brief summary of the vendor's experience and past performance as related to the acquisition and processing of hydrography data that meets the most current USGS Elevation-Derived Hydrography Data Acquisition Specification and READ rules (www.usgs.gov/3DHP/HydroSpecs)

**US Geological Survey
3D National Topography Model Data Collaboration Announcement
3D Hydrography Program**

PROJECT FINANCES

The cost of elevation-derived hydrography data acquisition varies based on geographic extent and terrain. This cost includes data acquisition, data processing, and vendor quality assurance/quality control (QA/QC). Applicants must include an ESTIMATED cost of their project using one of the following options:

- A project planning estimate from the USGS Geospatial Products and Services Contracts (GPSC) Commercial Partnership Team (refer to Form 3DHP-C)
- an estimate received from an elevation-derived hydrography data acquisition vendor
- an estimate from another source together with an explanation of how the estimate was obtained

The estimate should only include the cost of the acquisition and processing of hydrography data that meets the most current USGS Elevation-Derived Hydrography Data Acquisition Specification and READ rules (www.usgs.gov/3DHP/HydroSpecs). **The cost of any additional products and services should not be included in the 3DHP funding request.**

The USGS will complete an independent review during the evaluation period to determine if the proposed cost estimate reflects valid industry cost for the specific geographic area and reflects a good value to the government. **In addition to the data acquisition cost, applicants opting for data acquisition through the GPSC will be subject to a 6% assessment on the value of their financial contribution. This assessment covers the cost of contract management. The final cost of the project will include the data acquisition cost plus the assessment.** The project funding table below calculates the assessment automatically.

Estimated Cost over entire Project Area: <i>Select Only One Option</i>	<div style="border: 1px solid black; padding: 5px;"> <input type="checkbox"/> The applicant is using a project planning estimate (Form 3DHP-C) received from the USGS Geospatial Products and Services (GPSC) Commercial Partnership Team to estimate elevation-derived hydrography data acquisition, processing, and vendor QA/QC costs </div> <div style="border: 1px solid black; padding: 5px;"> <input checked="" type="checkbox"/> The applicant is using an estimate from an elevation-derived hydrography data acquisition vendor or an alternate figure to estimate project data acquisition, processing, and vendor QA/QC costs. Please provide explanation of how estimated cost was derived: <u>GPSC Vendor provided estimate-see attached Fugro estimate</u> </div>
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The applicant should select only one option. If the applicant has been provided with a total ESTIMATED cost, use Option 1; if the applicant has a cost per square mile, use Option 2.

	Square miles	Cost per square mile	Total ESTIMATED Costs
Option 1: Provide Total Estimated Costs	5858	\$ 132.50	<u>\$776,185.00</u>
OR			
Option 2: Provide Cost Per Square Mile	5858	_____	\$ 0.00

Hit TAB to complete input

Must
choose
Project
Approach
and hit
TAB

Proposed Funding						
Applicant shall enter the proposed funding partners, the amount each partner proposes to contribute to the project and the total funding available from partners. The applicant is also asked to provide the certainty of each partner's contribution. Each proposed funding partner must complete 3DHP-D: <i>Validation of Funding Partner</i> . All 3DHP-D forms shall be included as part of the submission package.						
Project Approach:	GPSC	Total Estimated Project Cost (from previous page):		\$776,185.00		
Funding Partner(s)						
Name(s)	Type (Federal / Non-Federal)	Proposed Total Contribution	If Project Approach== GPSC, 6% Assessment	Amt to Hydrography Data Acquisition and Validation	Certainty of Contribution (Guaranteed, Pending)	If funding is 'Pending' (not yet guaranteed); note date (MMM YYYY) when funding decision will be final.
ND Dept Water Resources	Nonfederal	\$550,000.00	\$31,132.08	\$518,867.92	Pending	Dec 2025
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
	Choose One	\$	\$ 0.00	\$ 0.00	Choose One	
Funding Partner Totals (from above)				\$518,867.92	67%	% Cost Share for 3DHP Base Data
Funds Requested from 3DHP				\$257,317.08	33%	% Cost Share for 3DHP Base Data
Total Combined DCA Contributions			Federal	\$257,317.08	33%	% Cost Share for 3DHP Base Data
			Nonfederal	\$518,867.92	67%	% Cost Share for 3DHP Base Data

Hit TAB to
complete
input

PAST PERFORMANCE

Past Performance (of primary applicant) <i>750 characters maximum</i>	<p>Please provide a summary of the applicant's history of managing large data acquisitions with multiple funding partners</p> <p>The primary applicant has over 30 years of experience in managing and coordinating large-scale data collection in both the private and public sectors. The most significant of these would be the coordination of multiple state-wide aerial photography collects and over 15 years of LiDAR collection involving local (county cost-shares), state agencies and federal funding (FEMA, NRCS, Army Corps, USGS). Total cost of these projects has been approximately \$30 million. Most of our LiDAR collection in the last 15 years has been a partnership using FEMA state grant funding in conjunction with NRCS funding. Some of these collects also involved cost-sharing agreements between North Dakota counties and the ND Dept of Water Resources.</p>
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ADDITIONAL PROJECT DETAILS OR CLARIFICATIONS


(1500 characters maximum)

The NRCS, through Drew Lane, NRCS-FPAC, has indicated that they would like to participate in cost-share funding of 3DHP development across the state with the ND DWR. It should also be noted that the NDDWR Director and the NDDWR State Engineer indicated that if there was interest in adding a third HU-8, we would be interested in adding the Lower Sheyenne (09020204) to the project. Since this is just a suggestion for your consideration, only the two proposed HU8s (Devils Lake and Middle Sheyenne) have been included in the shapefile. Let us know if you would like a revised shapefile that includes the third proposed HU8 (Lower Sheyenne).

Be Legendary.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary 

SUBJECT: NDSWC Cost-Share Request – Ward County Water Resource District (WRD)
Ward County Low Head Dams - Construction

DATE: November 24, 2025

Background & Description

Ward County WRD (Sponsor) is requesting additional construction cost-share for the Ward County Low Head Dams (Project). The purpose of the Project is to mitigate public safety hazards associated with the low-head dam roller effects at Ward County Dam 1 and Eastside Estates Dams 1, 2, and 3, all located on the Mouse River. Construction at each site will include modifications to the existing sheet pile structures, placement of riprap on the upstream and downstream sides, and installation of a concrete cap over the sloped riprap. Construction cost-share funding in the amount of \$1,102,814 was approved on October 10, 2024. However, delays in obtaining federal regulatory permits postponed bidding the project to fall 2025. The Sponsor is now requesting additional funding due to higher-than-anticipated bid results. The Project area is located approximately one mile southeast of Minot in Ward County, North Dakota.

Supplemental Information

Water Development Plan	High Priority
Construction, Sovereign Land, and Water Permits	C02763, 2764; SL2507, 2508, 2509, 2510; WP7403, 7404, 7405, 7406
Benefit-Cost Ratio	NR

(NR) Not Required

Schedule

Task	Dates
Study	-
Design	September 2025
Bid	September 2025
Construction	November 2025
Completion	May 2026

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Cost	-	-	-		
Eligible Cost	\$785,000	\$1,819,908	\$2,604,908		
Total	\$785,000	\$1,819,908	\$2,604,908		
Cost-share 75% (requested)	\$588,750	\$1,364,931	\$1,953,681	\$588,750 (10/13/22) \$1,102,814 (10/10/24)	\$262,117

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request by the Ward County Water Resource District for state cost participation in the Ward County Low Head Dams - Construction project in the amount of \$262,117, or 75 percent of eligible costs, for a total cost-share not to exceed \$1,364,931. This approval is contingent on available funding.

RH:af/1313

Water Development Plan: 2025
Priority: High

1086614 - Ward County Low Head Dams Rehabilitation

Application Details

Funding Opportunity:	Initial Submit Date:	Oct 23, 2025 9:18 AM
1085949-July 2025 - June 2026 Infrastructure Request	Initially Submitted By:	Karli Frohling
Funding Opportunity Due Date:	Last Submit Date:	
Jun 30, 2026 3:00 PM	Last Submitted By:	
Program Area:		
Funding for Infrastructure in ND - FIND		
Status:		Submitted
Stage:		Final Application

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name: Ms. Karli
Salutation First Name

Rae Frohling
Middle Name Last Name

Title: Water Resources Engineer

Email*: karli.frohling@hdrinc.com

Address*:

3231 Greensboro Drive, Suite 200

Organization Information

Status*: Approved

Name*: HDR Engineering

Organization Type*: Contractor

Tax Id:

Organization Website:

Address*: 3231 Greensboro Dr., Ste. 200

	Bismarck	North Dakota	Bismarck	North Dakota
	City	State/Province	City	State/Province
58503			58501-____	
Postal Code/Zip			Postal Code/Zip	
Phone*:	701-226-8500	Ext.	Phone*:	(701) 595-2142 Ext.
	Phone			###-###-####
	###-###-####		Fax:	(701) 557-9640
				###-###-####
Fax:	###-###-####		Vendor ID:	
Comments:			PeopleSoft	
			Supplier ID:	
			Comments:	
			Location	
			Code:	

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:	Ward County Low Head Dams Rehabilitation
Sponsor(s)*:	Ward County Water Resource District
County*:	Ward
City*:	Minot
Description of Request*:	New
Project Type:	Flood Control
If Project is a Study, What Type?:	
If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:	
Jurisdictions/Stakeholders Involved*:	

Ward County Water Resource District

Describe the Problem/Need and the Circumstances that Led to This Application*:

The Ward County Water Resource District (WRD) is working to rehabilitate four low head dams along the Mouse River, within Ward County. The dams are Ward County Dam 1, Eastside Estates Dam 1, Eastside Estates Dam 2 and Eastside Estates Dam 3. The low head dams present a safety risk due to the downstream hydraulic roller. The dam design will eliminate the downstream hydraulic roller for each of the four dams, significantly reducing safety risk.

Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:

All four dams have the same proposed structure modifications. Excavation will occur around the existing sheet piles to prepare the surface for rock placement. A base course will be placed and compacted as required for the longevity of the finished dam and minimize settlement. Riprap will be placed against the upstream and downstream sides of the existing sheetpiles. Riprap will be placed at a constant 3:1 (horizontal:vertical) on the upstream face. Riprap will be placed at a 4:1 slope on the downstream face, with a concave slope. The purpose of this curvature is to direct flow towards the center of the Mouse River channel, reducing potential bank erosion. The existing sheet pile will be trimmed as needed and a concrete cap will be formed and poured on the top of the sheet pile. The dam elevation will remain unchanged from existing to proposed design.

Describe the Objectives or Goals Specific to This Application*:

On October 10, 2024, the NDSWC approved cost-share for the construction of the project in the amount of \$1,102,814. Delays in obtaining regulatory permits resulted in the project schedule delaying until fall 2025. The project was advertised in September 2025 and the low bidder was selected by the WRD on September 29, 2025.

In August 2025, the WRD entered into a construction administration contract with HDR Engineering, Inc. in the amount of \$92,240 for construction oversight of the project. The low bidder bid the project in the amount of \$1,570,607. The bid tabulation form and low bidder's bid form are included as part of the submittal.

The previously approved total project cost was \$1,470,419. With the increase in construction costs, the total project cost is now estimated at \$1,819,908, which exceeds the previously approved project cost of \$1,470,419 by \$349,489.

The WRD is seeking 75% cost share from the NDSWC for increased construction costs for the project.

**Describe the Scope of Work
or Project Activities Specific
to This Application*:**

Blue Stone Construction will be the contractor responsible for rehabilitating the four dams as described. HDR Engineering, Inc. will be doing the construction administration and monitoring the construction.

For this project,

**Choose City, County, Water
District or Other*:** Water District

**What is the Current
Estimated Population?*:** 69000

For this project,

**What is the Benefited
Population?*:** 69000

**Have Assessment Districts
Been Formed?*:** N/A

**Have Land or Easements
Been Acquired?*:** Yes

**Are There Any Properties
with Wells, Drain Fields, or
Holding Tanks Within the
Project Area That Will Benefit
from the Project?*:** No

**Are There Any Road
Improvements Included as
Part of the Project?*:** No

**Have You Applied For Any
Federal Permits?*:** Yes

**If Yes or Ongoing, Please
Explain
(include type/number):**

Both Section 404 and Section 408 permits were submitted for all four dams to the United States Army Corps of Engineers (USACE) on behalf of the Ward County Water Resource District. The Section 404 permit was required because the Mouse River is a Water of the United States and as such, requires a Section 404 permit under the Clean Water Act. The Section 408 permit was required because the dams were constructed by the USACE and the permit is required for any alterations to USACE projects.

**Have You Been approved for
any Federal Permits?:** Yes

**If Yes or Ongoing, Please
Explain
(include type/number):**

The USACE approved both the Section 404 and Section 408 permits for all four dams.

**Have You Applied for any Yes
State Permits?***

**If Yes or Ongoing, Please
Explain
(include type/number):**

The following permits were submitted to the North Dakota Department of Water Resources:
Sovereign Lands permits for all four dams due to work below the ordinary high-water mark on a navigable stream.

Water Right permits for all four dams due to the purpose of the dams being for flood control.

Construction permits for Eastside Estates Dam 1 and Ward County Dam 1 due to the amount of water they store.

No-Rise Certification for all four dams due to work being within a FEMA-designated floodway.

**Have You Been Approved for Yes
any State Permits?***

**If Yes or Ongoing, Please
Explain
(include type/number):**

The NDDWR approved the Sovereign Lands permits, Water Rights permits, Construction permits and No-Rise Certifications for all four dams.

**Have You Applied for any Yes
Local Permits?***

**If Yes or Ongoing, Please
Explain
(include type/number):**

City of Minot floodplain development permits for all four dams were required since the work is taking place within a floodplain and all four dams are located within the City's ETA.

**Have You Been Approved For Yes
Any Local Permits?***

**If Yes or Ongoing, Please
Explain
(include type/number):**

The City of Minot approved the floodplain development permits for all four dams.

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?* No

Have You Received, or Do You Anticipate Receiving Federal Funding? No
(Example: Hazard Mitigation Grant Program)
*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: September 2024

Design Completion*: September 2025

Bid*: September 2025

Construction Start*: November 2025

Construction Completion*: May 2026

Explain Additional Timeline Issues*:

In February 2023, the USACE communicated a Section 408 permit would not be required for the dams. However, once the Section 404 permit was submitted to the USACE in August 2024, the USACE communicated a Section 408 permit would be required. This caused a delay in securing the regulatory permits required and a delay to the construction timeline.

Consulting Engineer*: HDR Engineering (Karli Frohling)

Engineer Direct Phone Number*: 701-557-9725

Engineer Email*: karli.frohling@hdrinc.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Yes

Authorized Individual*:

Sarah Walker 10/22/2025

First Name Last Name Date

Title/Position/Authority*:

Secretary/Treasurer, Ward County Water Resource District

Address*:

200 72nd St SE

Address Line 1

P.O. Box 5005

Address Line 2

Minot North Dakota 58702-5005

City State Zip Code

Direct Phone Number*:

701-839-6840

Sponsor Email*:

sawalker@wardnd.gov

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:

Tom Klein

First Name Last Name

Authorized Signor Title/Position:	Chairman, Ward County Water Resource District
Authorized Signor Email:	thokle@srt.com
Authorized Signor Direct Phone Number:	701-720-8508
Provide the Name for One Additional Board Member, if Applicable:	Jason Zimmerman First Name Last Name
Additional Board Member Title/Position:	Board Member, Ward County Water Resource District
Additional Board Member Email:	jzimmerman72@gmail.com
Additional Board Member Direct Phone Number:	701-833-0505

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:

Yes

[CLICK HERE to see examples.](#)

Project Specific Map WardCountyDamsFigure.pdf

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*

No

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: Ward County WRD Final Minutes_092925.pdf

Cover Letter: CostShareRequest_CoverLetter_Oct-2025.pdf

**Are You Seeking Cost-Share
for a Main Street Initiative
Related Project?:** No

[CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.](#)

**Delineation of Costs SFN
61801:** WardLowHeadDams_sfn_61801_delineation_of_cost_Oct_2025.xlsx

Type of Request: Construction

**Signed Plans and
Specifications For Bidding:**

Ward County Low Head Dam Rehabilitaion Plans and Specs 5SEPT25 ver A.pdf

**Is This a Water Supply
Project?:** No

**Is This a Rural Flood Control
Project?:** No

**Is This a Drain
Reconstruction Project?:** No

**Is This a Flood Recovery
Property Acquisition
Project?:** No

**If Request is for Construction
of a Community Flood
Control or Water Conveyance
Project (Excluding
Assessment Drain Projects),
is the Total Construction
Cost \$200,000 or More?:** No

**Sovereign Land Permit, if
Required for Construction
Request:** Sovereign Lands Permits.pdf

DWR Construction Permit, if Required for Construction Request: Construction Permits.pdf

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?: No

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s): Yes

Other Applicable Document: WardCountyDams Bid-Opening-Tabulation.pdf

Other Applicable Document: Low Bidder Bid Form Summary.pdf

Other Applicable Document:

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

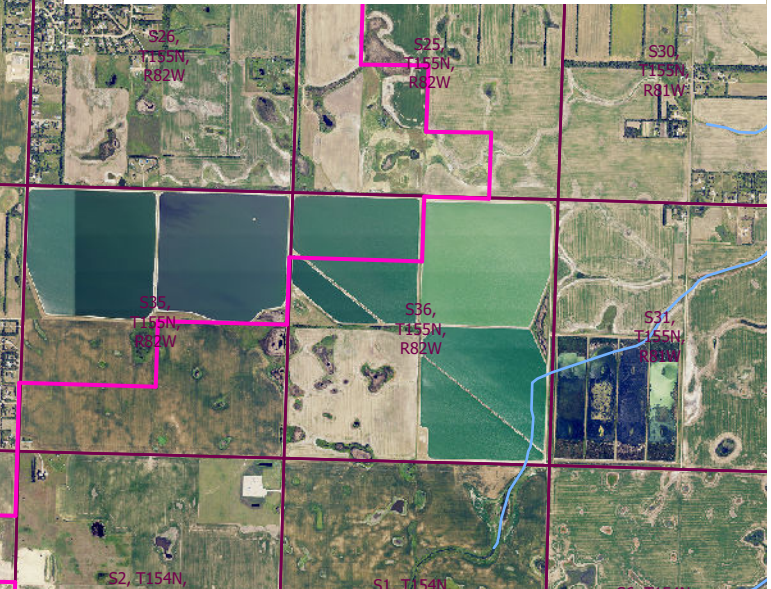
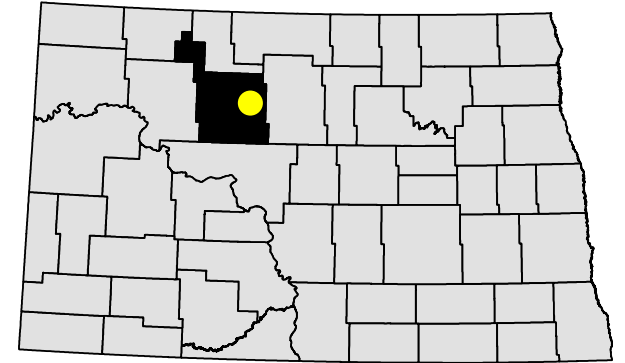
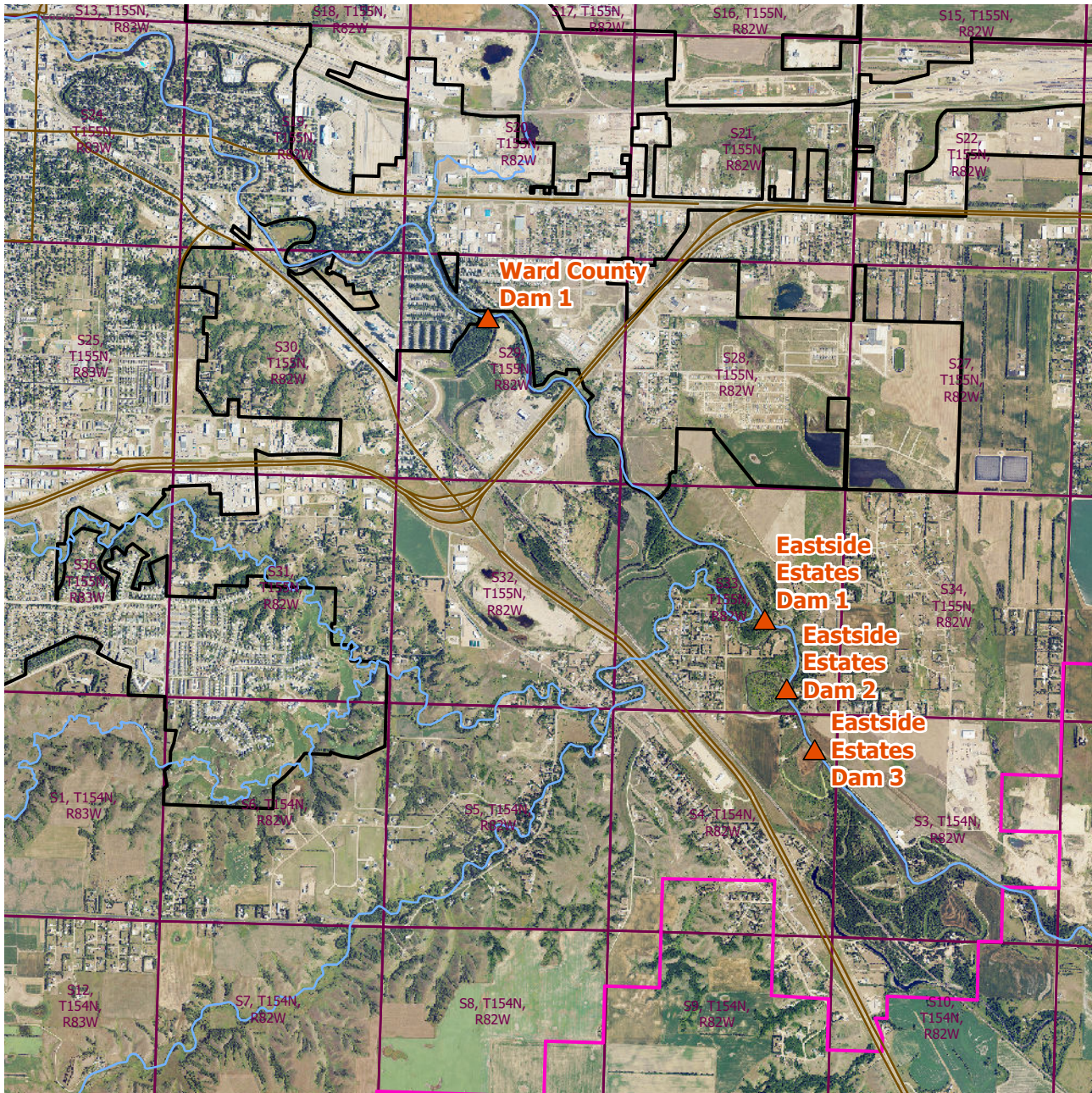
Source	If Other, Specify Funding Source	Source Status	State Fiscal Year			Total Cost	Type	Term	Interest Rate
			State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium				
Department of Water Resources Cost Share Construction		Already Approved	\$1,102,814.00	\$0.00	\$0.00	\$1,102,814.00	Grant	0.00	0.00
Department of Water		Current Request	\$262,116.75	\$0.00	\$0.00	\$262,116.75	Grant	0.00	0.00

Resources

Cost Share

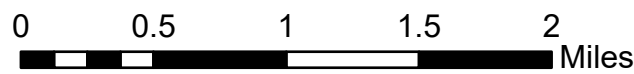
Construction

Other	Ward	Current	\$454,977.25	\$0.00	\$0.00	\$454,977.25	Grant	0.00	0.00
	County	Request							
	Water								
	Resource								
	District								
			\$1,819,908.00	\$0.00	\$0.00	\$1,819,908.00			



Legend

- ▲ Low Head Dams
- Streams
- Roads
- ▭ City Limits
- ▭ ETA
- ▭ PLSS Sections



WARD COUNTY WATER RESOURCE DISTRICT
LOW HEAD DAM REHABILITATION PROJECT



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (7/2024)

DWR Date Received : October 23, 2025

Project: Ward County Low Head Dams
Sponsor: Ward County Water Resource District
Contact: Tom Klein, Chairman
Phone: 701-720-8508
Engineer: Karli Frohling, HDR Engineering
Phone: 701-557-9725

Total Cost : \$ 1,819,908
Ineligible Cost : \$ -
Eligible Cost : \$ 1,819,908
Local Cost : \$ 454,977

Date: August 26, 2024

Cost-Share \$
\$ 1,364,931

Preconstruction : \$ -
Construction : \$ 1,364,931

Project Type:

Cost-share %

Dam - Low Head Roller Effect

75%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	7.5%	Mobilization	1	LS	129,000.00	\$ 129,000	75%	\$ 96,750
2	0.9%	Bonding	1	LS	16,000.00	\$ 16,000	75%	\$ 12,000
3	0.6%	Insurance	1	LS	10,000.00	\$ 10,000	75%	\$ 7,500
4	0.0%					\$ -	75%	\$ -
5	0.9%	Contractor QC & Construction Staking	1	LS	15,000.00	\$ 15,000	75%	\$ 11,250
6	2.2%	Demolition	1	LS	38,000.00	\$ 38,000	75%	\$ 28,500
7	11.3%	Excavation Haul	3161	CY	62.00	\$ 195,982	75%	\$ 146,987
8	5.1%	Water Management - Dewatering	1	LS	88,000.00	\$ 88,000	75%	\$ 66,000
9	15.0%	Water Management - Cofferdam	1	LS	260,000.00	\$ 260,000	75%	\$ 195,000
10	6.7%	Concrete	29	CY	4,000.00	\$ 116,000	75%	\$ 87,000
11	1.6%	Rolled Separation Fabric Under Backfill	3150	SY	9.00	\$ 28,350	75%	\$ 21,263
12	25.4%	Riprap - NDDOT Grade II	1758	CY	250.00	\$ 439,500	75%	\$ 329,625
13	6.5%	3" Minus Backing - coarse filter aggrega	1070	CY	105.00	\$ 112,350	75%	\$ 84,263
14	0.4%	Replace fence - coarse filter aggrega	297	LF	25.00	\$ 7,425	75%	\$ 5,569
15	1.9%	Seeding	1	LS	33,000.00	\$ 33,000	75%	\$ 24,750
16	4.7%	Site Work	1	LS	82,000.00	\$ 82,000	75%	\$ 61,500
17	0.0%					\$ -	75%	\$ -
18	0.0%					\$ -	75%	\$ -
19	0.0%					\$ -	75%	\$ -
20	0.0%					\$ -	75%	\$ -
21	0.0%					\$ -	75%	\$ -
22	0.0%		0		-	\$ -	75%	\$ -
23	0.0%		0		-	\$ -	75%	\$ -
24	0.0%		0		-	\$ -	75%	\$ -
25	0.0%		0		-	\$ -	75%	\$ -
26	0.0%		0		-	\$ -	75%	\$ -
		Construction Sub-Total				\$ 1,570,607	75%	\$ 1,177,955
	10.0%	Contingency				\$ 157,061	75%	\$ 117,796
	94.9%	Construction Total				\$ 1,727,668	75%	\$ 1,295,751
Preconstruction Costs								
27	0.0%		0		-	\$ -	75%	\$ -
28	0.0%		0		-	\$ -	75%	\$ -
29	0.0%		0		-	\$ -	75%	\$ -
30	0.0%		0		-	\$ -	75%	\$ -
31	0.0%		0		-	\$ -	75%	\$ -
	0.0%	Preconstruction Total				\$ -	75%	\$ -
Construction Engineering Costs								
32	5.3%	Construction Contract Management	1	LS	92,240.00	\$ 92,240	75%	\$ 69,180
33	0.0%		0		-	\$ -	75%	\$ -
34	0.0%		0		-	\$ -	75%	\$ -
35	0.0%		0		-	\$ -	75%	\$ -
36	0.0%		0		-	\$ -	75%	\$ -
	5.1%	Construction Engineering Total				\$ 92,240	75%	\$ 69,180
Other Eligible Costs								
37	0.0%		0		-	\$ -	75%	\$ -
38	0.0%		0		-	\$ -	75%	\$ -
39	0.0%		0		-	\$ -	75%	\$ -
40	0.0%		0		-	\$ -	75%	\$ -
41	0.0%		0		-	\$ -	75%	\$ -
	0.0%	Other Eligible Total				\$ -	75%	\$ -
In-eligible Costs								
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 1,819,908		
		Eligible Total				\$ 1,819,908	75%	\$ 1,364,931
Federal or State Funds That Supplant Costs								
		Eligible Cost Total				\$ 1,819,908	75%	\$ 1,364,931 *

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

\$1,364,931 total cost-share
- \$1,102,814 previously approved
= \$262,117 current request



Ward County Water Resource

P.O. Box 5005 • Minot, ND 58702-5005 • 200 72nd St. SE • (701) 839-6840
Fax (701) 838-3801 • E-mail: water.resources@wardnd.com

October 22, 2025

Mr. Reice Haase, Director
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck ND 58504-5262

Re: Ward County Low Head Dam Safety Modifications – Construction

Dear Mr. Haase:

The North Dakota State Water Commission (NDSWC) approved cost-share for the construction activities for dam safety modifications to four (4) low head dams on the Mouse River near Minot, North Dakota at the October 10, 2024, meeting in the amount of \$1,102,814. Delays in obtaining regulatory permits resulted in the project schedule slipping to this fall. The four dams are at a 100 percent design level and all regulatory permits (Water Rights, Construction, Sovereign Lands, Floodplain Development, Section 404, Section 408 and No-Rise Certification) have been approved by the North Dakota Department of Water Resources. The project was advertised beginning in September 2025 and the low bidder was selected by the Ward County Water Resource District on September 29, 2025. Construction is set to begin in November 2025.

In August 2025, the Ward County Water Resource District entered into a construction administration contract with HDR Engineering, Inc. in the amount of \$92,240 for construction oversight of the project. The low bidder bid the project in the amount of \$1,570,607. The bid tabulation form and low bidder's bid form are included as part of the submittal.

The delineation of costs spreadsheet included has part of this submittal summarizes the items provided by the low bidder's bid form. With the increase in construction costs, the total project cost is now estimated at \$1,819,908, which exceeds the previously approved project cost of \$1,470,419 by \$349,489.

The Ward County Water Resource District is seeking additional cost-share for the additional construction costs. The total additional funds required for construction is \$349,489. The cost-share request for the NDSWC is in the amount of **\$262,116.75** (75%). This would bring the total cost-share for the project to \$1,364,931.

We appreciate the consideration of this request, and the past, present, and future partnership provided by the NDSWC and North Dakota Department of Water Resource staff. If you have any questions, please do not hesitate to contact me at 701-720-8508 or our project engineer Karli Frohling at 701-557-9725.

Sincerely,

Tom Klein, Chairman
Ward County WRD

CC: Karli Frohling, HDR Engineering
Dennis Reep, HDR Engineering

**WARD COUNTY WATER RESOURCE BOARD
MINUTES
November 10, 2025**

Chairman Tom Klein called the meeting to order at 9:00 a.m. Water Resource Board members present were Dale Dohms, Roger Kluck, Travis Zablotney and Jason Zimmerman. Others present: Water Resource Board Secretary/Treasurer Sarah Walker, Water Resource Board Attorney Bryan Van Grinsven, Water Resource Board Engineer Dennis Reep, Karli Frohling (HDR), Chris Korkowski (HDR), and Glen Krogman (HDR via Microsoft Teams).

Agenda: Zimmerman moved and Kluck seconded to approve the agenda. Motion passed 5-0.

Minutes: Dohms moved to approve the minutes for the October 13, 2025, meeting. Kluck seconded the motion. Motion passed 5-0.

Bills/Statement of Accounts: Zimmerman moved to accept the monthly bills with correction. Dohms seconded the motion. Motion passed 5-0.

Positive Pay: Walker contact Marisa Haman in the Ward County Auditor's Office to see if the County uses positive pay. They do, however, in the discussion, she is not sure the number of checks we send out warrants paying for the service. No action taken.

Cash Management Account: Walker talked with First Western Bank and Trust to determine if ACH payments can be set up for HDR Engineering and McGee Hankla. She discovered we are not paying our bills through ACH but rather through Bill Pay. The total daily amount that can be paid through Bill Pay is \$16,000.00 which would preclude paying HDR's invoices. After discussion it was determined Walker should continue to pay with checks. No action taken.

CD Quotes: CD quotes were provided for the CD maturing November 11th. Zimmerman moved and Zablotney seconded to renew the CD with First International Bank in the amount of \$500,000.00 for a period of six months at 4.00%. Motion passed 5-0.

Property Designated Public Depositories: Walker reminded the board that public depositories are to be considered and designated in January of every even-numbered year. A draft letter and list of financial institutions was included in the meeting packet. The board requested that Walker send the request for proposals as soon as possible.

Low Head Dams: Frohling informed the Board that she miscalculated the additional funds required for total construction costs when preparing to submit the request for cost share. The total amount is \$349,489.00 making the cost share requested \$262,116.75. The corrected amount was submitted to NDSWC. Klein and Zimmerman will participate in the NDWR meeting virtually, scheduled for November 20th.

Blue Stone was sent the Notice to Proceed on October 29, 2025. Submittals for care and diversion of water, geotextile fabric, class 3 bedding, concrete mix design and rebar shop drawings were submitted

and have been approved by HDR. A pre-construction meeting was held November 4th and construction of Ward County Dam 1 commenced on November 5th.

Friday, November 7, 2025, HDR received two proposals from Blue Stone, one to extend the construction deadline to September 15, 2026, with no reason was given. The second proposal was to request wet construction rather than using fabric. Blue Stone would realize a cost savings of \$123,350.00. HDR estimate additional materials required by USACE guidance could increase the cost by approximately \$270,000.00. HDR has attempted to contact USACE regarding the change and has not received a response likely due to the government shutdown. An objection to wet construction is unlikely.

Due to the late receipt, HDR has not had the time to evaluate how the change in construction would impact costs to the project. Zimmerman moved and Kluck seconded to have HDR evaluate Blue Stone's proposal and present the findings to the Board. Motion passed 5-0.

Kluck moved that the Board discuss both proposals at a special meeting, date to be determined. Motion passed 5-0.

Hydraulic models for Burlington Dam #3 should be ready for presentation at the December Board meeting. There has still been no communication with Wildwood Country Club regarding the cease-and-desist letter.

Valley Street Project: Korkowski reported that 40.1% of the total project budget has been invoiced. The DOT has been emailed to set up a meeting to discuss the tie-ins to Valley Street but there has been no response. DOT will need to review the design plans once they are 90% complete. Conversations with Michael Baker have been delayed with the intent of having design drawings ready to have a more meaningful conversation about construction and easements

Design work is 50% complete with the goal of having a submittal for cost share ready by the end of December for the February 2026 meeting.

The City of Minot is looking for RFQ's on a project located at ????. Reep asked if HDR should respond on behalf of the Board.

HDR – Agreement for Professional Services: Reep provided a copy of the agreement with the Board which terminated October 22, 2025. He requested a three- or five-year extension. Zimmerman moved to extend the agreement for three years. Kluck seconded the motion. Motion passed 5-0.

Engineer's Comments: No comments were received from the City of Minot. The County presented the following applications.

a. Plat Applications:

- Bahm – Burlington Township
- Beck – New Prairie Township
- Eberle – Freedom Township
- Flemming – Hilton Township
- Klein – Surrey Township
- Knutson – Sundre Township

- Mann – Tatman Township
- b. Plat Vacation Application:
 - Bruner – Elmdale Township
- c. Subdivision Plat Vacation Application:
 - Ward County – Rice Lake Township

Reep reviewed the plat and other applications to be returned to the County without objection but with the following recommendations: (1) a storm water management plan may be required if the subject property is the subject of a special use permit and (2) no development as a result of the plat should obstruct any watercourse or divert surface water flows. Dohms moved to approve and adopt HDR's recommendations. Zimmerman seconded. Motion passed 5-0.

Nedrose #2 Easements: Kluck met with Jason Sorenson from the City to discuss the maintenance of the district. There is a fund in place to adequately cover maintenance costs. Sorenson indicated it would be good to have the district turned over to the City. He also assured Kluck that the only annexation on the part of the City would be homeowner generated. Klein and Zabloutney are working on contracting some remaining owners. No action taken.

Sawyer Structure: Klein and Reep met with Altec Engineering about the construction on Highway 52. There is a structure on the south side of the road to prevent flooding onto properties in the area. Due to construction, it is necessary to modify the existing structure, which most likely will result in a dam and require permitting. The owner of record is the City of Sawyer. Based on discussion, the Board feels that Ward County and the City of Sawyer are required to pay for the project. No action taken.

Office Updates: Walker let the Board know that she will be on vacation the week prior to Thanksgiving. She also applied for and was appointed to the Community Action Board. The Board meets quarterly on the first Thursday of those months from 11:00 to 1:00. As it requires time away from the office, Walker will work additional hours to ensure office work is completed in a timely manner.

Public Comments: None.

The meeting was adjourned at 10:54 a.m.

Ward County Water Resource Board meeting

November 10, 2025

Page 4 of 4

Bills Approved and Paid:

#8382 BradyMartz	483.00
#8383 Clint Cogdill	7,500.00
#8384 DL Barkie	64,400.00
#8385 ND Water Users Association	1,140.00
#8386 Sarah Walker	2,599.55
#8387 McGee Law Firm	1,372.50
NDPERS (September/October)	598.04
IRS-941	1,022.74
Ottetail	38.44
Xcel	74.74
Verendrye	84.00
WalMart	80.96
QuickBooks	
	\$78,098.03

Submitted by:

Date Approved: _____

Secretary/Treasurer

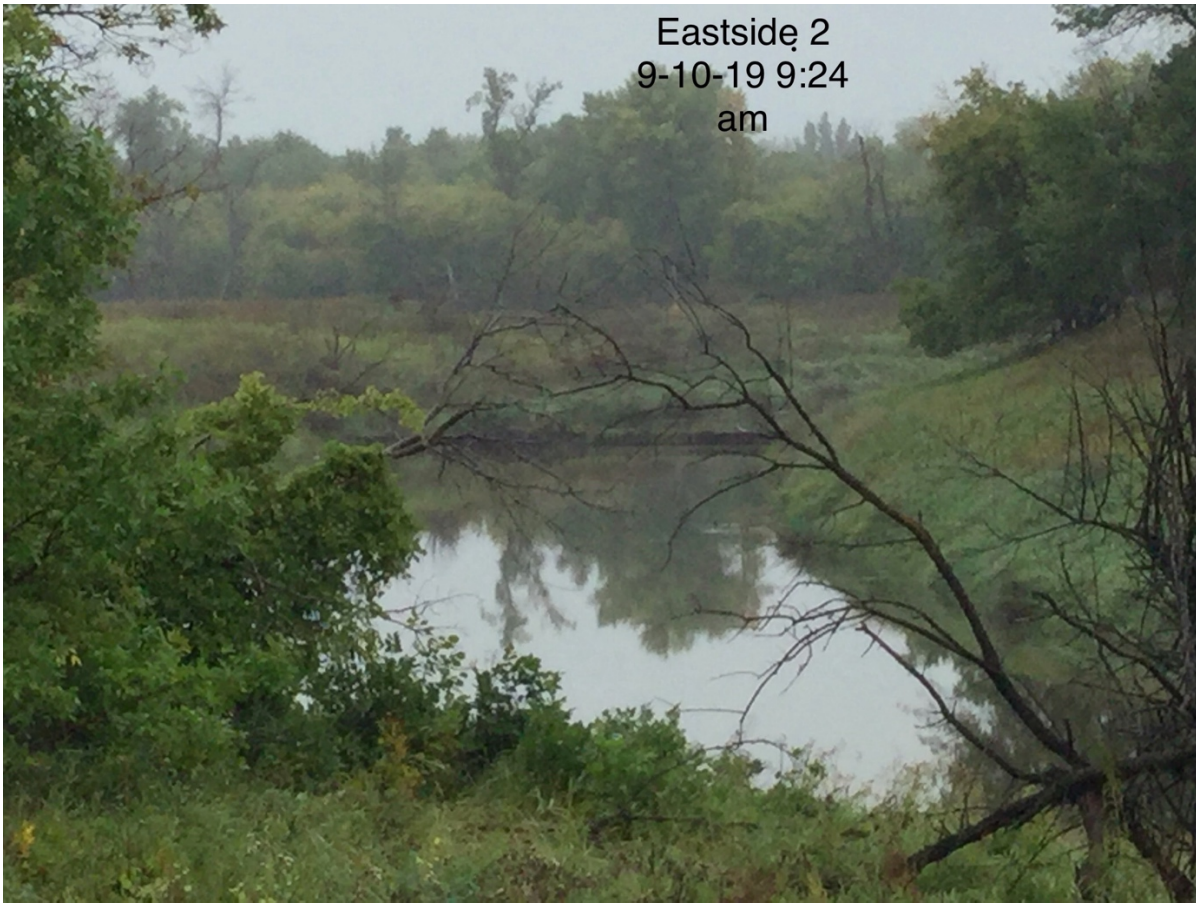
Chair



WARD COUNTY DAM 1 – DWR PHOTO 2019



EASTSIDE ESTATES DAM 1 – DWR PHOTO 2019



EASTSIDE ESTATES DAM 2 – DWR PHOTO 2019



EASTSIDE ESTATES DAM 3 – DWR PHOTO 2019

N O R T H
Dakota | Water Resources
 Be Legendary.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
 Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: State Water Supply – Cass Rural Water District
 2026 System Improvements
DATE: November 25, 2025



Background & Description

The Cass Rural Water District is requesting preconstruction cost-share for their 2026 System Improvements (Project). The Project includes the installation of approximately seven miles of water main in the District's rural system area, generators at Reservoirs H, I, and J, and installation of approximately four miles of water main in the Horace and Fargo extra-territorial area (ETA). The Project is located in Cass County.

Supplemental Information

Water Development Plan / Priority	2025/Low
New / Future / Current Service Users	0/0/450
Present Value Cost / User (Preferred Alternative)	\$16,496
Rate / 5,000-Gallons	\$57
Comparable Rate / 5,000-Gallons	\$47
Water Source – West Fargo Aquifer	

Schedule

Task	Dates
Study	Jan. 2026
Design	Mar. 2026
Bid	Jun. 2026
Construction	Jun. 2026
Completion	Aug. 2027

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Eligible Rural	\$208,400	\$2,142,107	\$2,350,507		
Eligible ETA	\$248,200	\$2,806,452	\$3,054,652		
Total	\$456,600	\$4,948,559	\$5,405,159		
Cost-Share 75% Rural	\$156,300	\$1,606,580	\$1,762,880		
Cost-Share 60% ETA	\$148,920	\$1,683,871	\$1,832,791		
Cost-Share Total	\$305,220	\$3,290,451	\$3,595,671		\$305,220

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from Cass Rural Water District for state cost-share participation in the 2026 System Improvements project at 75 percent of eligible rural costs and 60 percent of eligible extra-territorial area costs, not to exceed \$305,220. This approval is contingent on available funding.

RH:jspln/2050CAS

1086532 - CRWD 2026 System Improvements

Application Details

Funding Opportunity:	1085949-July 2025 - June 2026 Infrastructure Request
Funding Opportunity Due Date:	Jun 30, 2026 3:00 PM
Program Area:	Funding for Infrastructure in ND - FIND
Status:	Under Review
Stage:	Final Application
Initial Submit Date:	Oct 28, 2025 11:37 AM
Initially Submitted By:	Abby Ritz
Last Submit Date:	Nov 10, 2025 9:39 AM
Last Submitted By:	Abby Ritz

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Salutation Abby Middle Name Ritz First Name Last Name
Title:	
Email*:	abby.ritz@ae2s.com
Address*:	1815 Schafer Street, Suite 301 AE2S Bismarck North Dakota 58501 City State/Province Postal Code/Zip
Phone*:	701-221-0530 Ext. Phone ###-###-####
Fax:	###-###-####
Comments:	

Organization Information

Status*:	Approved
Name*:	Cass Rural Water District
Organization Type*:	Political Subdivision
Tax Id:	450323383
Organization Website:	
Address*:	P.O. Box 98

131 Maple Street

Kindred North Dakota 58051-____
City State/Province Postal Code/Zip

Phone*: (218) 790-1299 Ext. _____
#####

Fax: (701) 428-3130
#####

Vendor ID:

PeopleSoft Supplier ID:

Comments:

Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*: CRWD 2026 System Improvements

Sponsor(s)*: Cass Rural Water District

County*: Cass

City*: Kindred

Description of Request*: New

Project Type: Rural Water Supply

If Project is a Study, What Type?:

**If Project is Rural Water Supply or
Municipal Water Supply, What is the Name
of the Water Supply Source?:** Ground Water

Jurisdictions/Stakeholders Involved*:

Cass Rural Water District

**Describe the Problem/Need and the
Circumstances that Led to This
Application*:**

In June 2025, severe storms and a destructive tornado impacted much of Cass County. Although CRWD's infrastructure largely withstood the event, power outages at Reservoirs H, I, and J left some customers without water service for 12 to 72 hours. These same facilities have also experienced power interruptions during major winter storms, underscoring the vulnerability of critical system components to extreme weather and electrical grid instability.

Additionally, several areas within CRWD's distribution system experience low pressures and limited flow during peak demand periods, while some dead-end mains restrict flexibility and optimal flow conveyance.

**Describe the Proposed or Chosen
Solution(s) to Address the Problem/Need*:**

The proposed project is a comprehensive effort to enhance system performance, reliability, and resiliency across CRWD's service area. It includes four core components:

- Rural System Water Main Improvements: Installation of approximately 37,700 feet of 4-inch watermain to improve pressures and flows in rural portions of the distribution system.
- Regional System Water Main Improvements: Construction of 19,900 feet of 6-, 8-, 10-, 12-, and 16-inch watermain to strengthen system looping and operational flexibility.
- Backup Power Generation: Addition of three standby generators at Reservoirs H, I, and J to ensure uninterrupted service during power outages and improve system resiliency.

**Describe the Objectives or Goals Specific to
This Application*:**

Secure preconstruction cost-share for the CWRD 2026 System Improvements project.

Describe the Scope of Work or Project

Activities Specific to This Application*:

The pre-construction cost-share will fund an archeological study, preliminary and final design, surveying, and project bidding.

For this project,

Choose City, County, Water District or Other*: Water District

What is the Current Estimated Population*: 20903

For this project,

What is the Benefited Population*: 3500

Have Assessment Districts Been Formed*: N/A

Have Land or Easements Been Acquired*: No

Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project*: Yes

Are There Any Road Improvements Included as Part of the Project*: No

Have You Applied For Any Federal Permits*: No

Have You Applied for any State Permits*: No

Have You Applied for any Local Permits*: No

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)*: No

Have You Received, or Do You Anticipate Receiving Federal Funding? No

(Example: Hazard Mitigation Grant Program)

*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: 01/2026

Design Completion*: 03/2026

Bid*: 06/2026

Construction Start*: 06/2026

Construction Completion*: 08/2027

Explain Additional Timeline Issues*:

None anticipated.

Consulting Engineer*: Kellen Grubb

Engineer Direct Phone Number*: 701-641-8759

Engineer Email*: kellen.grubb@ae2s.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Yes

Authorized Individual*:

Brent Brinkman 10/28/2025
First Name Last Name Date

Title/Position/Authority*:

General Manager

Address*:

131 Maple Street
Address Line 1
PO Box 98
Address Line 2
Kindred North Dakota 58051-0098
City State Zip Code

Direct Phone Number*:

701-428-3139

Sponsor Email*:

brent.brinkman@cassruralwaterdistrict.com

Are You Seeking Department of Water Resources Cost-Share?*:

Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:

Jon Zuther
First Name Last Name

Authorized Signor Title/Position:

Chairman of the Board

Authorized Signor Email:

jzuth89@gmail.com

Authorized Signor Direct Phone Number:

701-781-4940

Provide the Name for One Additional Board Member, if Applicable:

First Name Last Name

Additional Board Member Title/Position:

Additional Board Member Email:

Additional Board Member Direct Phone Number:

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:

Yes

[CLICK HERE](#) to see examples.

Project Specific Map

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

[CRWD 2025 System Improvements Overview - Portrait 11x17 v2.pdf](#)

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*

Yes

Engineer's Estimate of Probable Cost

[CRWD Budget Sheet.pdf](#)

Separate Project Components by Type (Storm Sewer, Sanitary Sewer and Associated Roads, Drinking Water and Associated Roads, and Roads)

:

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes:

[MIN_OCTOBER_2025 DRAFT.pdf](#)

Cover Letter:

[Cover Letter V2 signed by BB.pdf](#)

Are You Seeking Cost-Share for a Main Street Initiative Related Project?:

No

[CLICK HERE](#) for SFN 61801 Delineation of Costs Instructions and Current Version.

Delineation of Costs SFN 61801:

[sfn_61801_delineation_of_cost CRWD 2026 System Improvements.V2.xlsx](#)

Type of Request:

Preconstruction

Is This a Water Supply Project?:

Yes

[CLICK HERE](#) for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

Life Cycle Cost Analysis:

[CRWD - LCCA v2.xlsx](#)

Is This a Rural Flood Control Project?:

No

Is This a Drain Reconstruction Project?:

No

Is This a Flood Recovery Property Acquisition Project?:

No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?:

No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?:

No

Photos of Problem/Issue:

GIS Files:

Please Compress All Files Into One .zip File.

Other Applicable Document(s):

No

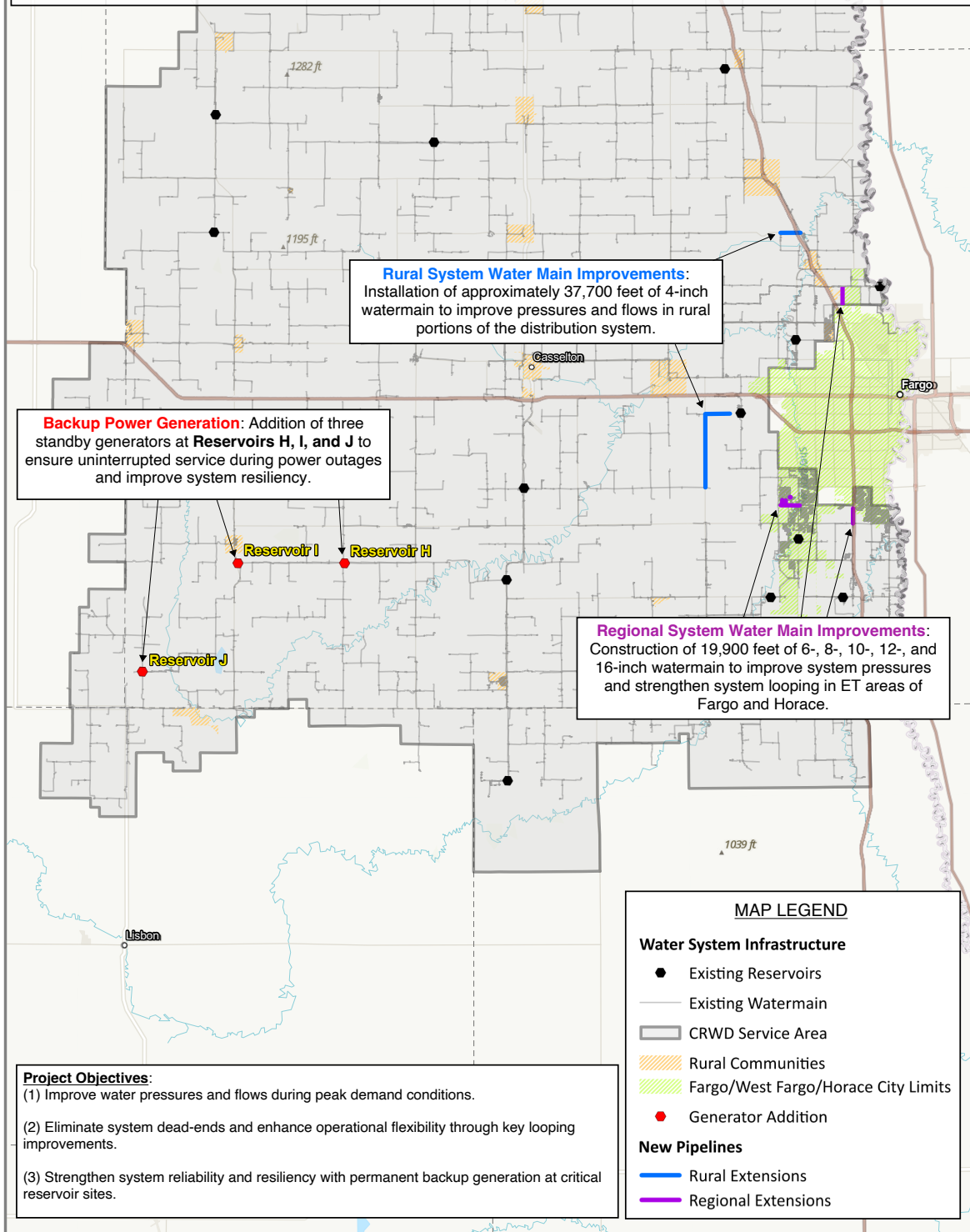
Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

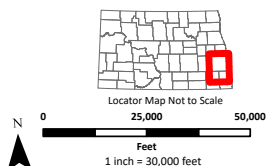
Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Department of Water Resources Cost Share Pre-Construction		Current Request	\$305,220.00	\$0.00	\$0.00	\$305,220.00		0.00	0.00
Department of Water Resources Cost Share Construction		Future Request	\$0.00	\$3,290,451.00	\$0.00	\$3,290,451.00		0.00	0.00
Drinking Water State Revolving Fund			\$151,380.00	\$1,658,108.00	\$0.00	\$1,809,488.00		0.00	0.00
			\$456,600.00	\$4,948,559.00	\$0.00	\$5,405,159.00			

Project Need: In June 2025, severe storms and a destructive tornado impacted much of Cass County, tragically claiming three lives and causing extensive damage to homes, rail infrastructure, and utilities. Although CRWD's infrastructure largely withstood the event, power outages at Reservoirs H, I, and J left some customers without water service for 12 to 72 hours. These same facilities have also experienced power interruptions during major winter storms, underscoring the vulnerability of critical system components to extreme weather and electrical grid instability. Adding permanent backup generators at Reservoir H, I, and J will help ensure reliable water service to CRWD customers located in these service areas.

Additionally, several areas within CRWD's distribution system experience low pressures and limited flow during peak demand periods, while some dead-end mains restrict flexibility and optimal flow conveyance. The proposed rural and regional watermain improvements are aimed to resolve these deficiencies.



Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.
Coordinate System: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Intl | Edited by: RYdrzal | W:\C\Cass Rural Water District\05024-2024-004\GIS\CRWD 2025 System Improvements - Design - Mapping and Analysis.aprx | CRWD 2025 System Improvements Overview - Portrait 11x17



CRWD 2026 SYSTEM IMPROVEMENTS

CASS RURAL WATER DISTRICT
CRWD, ND



Date: 10/24/25



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received : October 28, 2025

Project: CRWD 2026 System Improvements
Sponsor: Cass Rural Water District
Contact: Brent Brinkman, General Manager
Phone: 701-428-3139
Engineer: Kellen Grubb, AE2S
Phone: 701-364-9111

Total Cost : \$ 3,054,652
Ineligible Cost : \$ -
Eligible Cost : \$ 3,054,652
Local Cost : \$ 1,221,861

Date: October 27, 2025

Cost-Share \$
\$ 1,832,791
Preconstruction : \$ 148,920
Construction : \$ 1,683,871

Project Type:

Cost-share %

Rural Water - Expansion into ETA

60%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
		Construction Costs						
1	2.8%	Mobilization	1	LS	71,000.00	\$ 71,000	60%	\$ 42,600
2	0.6%	Bonding	1	LS	15,000.00	\$ 15,000	60%	\$ 9,000
3	0.4%	Insurance	1	LS	10,000.00	\$ 10,000	60%	\$ 6,000
4	0.6%	Water Main 6 in	300	LF	50.00	\$ 15,000	60%	\$ 9,000
5	3.0%	Water Main 8 in	1450	LF	52.00	\$ 75,400	60%	\$ 45,240
6	11.4%	Water Main 10 in	4550	LF	64.00	\$ 291,200	60%	\$ 174,720
7	20.1%	Water Main 12 in	5700	LF	90.00	\$ 513,000	60%	\$ 307,800
8	30.0%	Water Main 16 in	5100	LF	150.00	\$ 765,000	60%	\$ 459,000
9	1.0%	Directional Water Main Bore 8 in	250	LF	104.00	\$ 26,000	60%	\$ 15,600
10	1.8%	Directional Water Main Bore 10 in	350	LF	130.00	\$ 45,500	60%	\$ 27,300
11	10.7%	Directional Water Main Bore 12 in	2000	LF	136.00	\$ 272,000	60%	\$ 163,200
12	1.5%	Directional Water Main Bore 16 in	200	LF	195.00	\$ 39,000	60%	\$ 23,400
13	3.5%	Tie-In to Existing Watermain	10	EA	9,000.00	\$ 90,000	60%	\$ 54,000
14	2.5%	Gate Valve	8	EA	8,000.00	\$ 64,000	60%	\$ 38,400
15	0.3%	Dual Blowoff Assembly	1	EA	8,500.00	\$ 8,500	60%	\$ 5,100
16	0.1%	Seeding	4840	SY	0.50	\$ 2,420	60%	\$ 1,452
17	0.1%	Gravel	50	TON	75.00	\$ 3,750	60%	\$ 2,250
18	0.3%	Restoration	17100	LF	0.50	\$ 8,550	60%	\$ 5,130
19	0.0%					\$ -	60%	\$ -
20	0.0%					\$ -	60%	\$ -
21	0.0%					\$ -	60%	\$ -
22	0.0%					\$ -	60%	\$ -
23	0.0%					\$ -	60%	\$ -
24	0.0%					\$ -	60%	\$ -
25	0.0%					\$ -	60%	\$ -
26	0.0%					\$ -	60%	\$ -
		Construction Sub-Total				\$ 2,315,320	60%	\$ 1,389,192
		Contingency				\$ 231,532	60%	\$ 138,919
	83.4%	Construction Total				\$ 2,546,852	60%	\$ 1,528,111
		Preconstruction Costs						
27	0.3%	Archeological Study	1	LS	8,000.00	\$ 8,000	60%	\$ 4,800
28	1.3%	Preliminary Design	1	LS	32,500.00	\$ 32,500	60%	\$ 19,500
29	5.4%	Final Design	1	LS	138,500.00	\$ 138,500	60%	\$ 83,100
30	0.9%	Bidding / Negotiations	1	LS	23,700.00	\$ 23,700	60%	\$ 14,220
31	1.8%	Survey (Easements and Monumenting)	1	LS	45,500.00	\$ 45,500	60%	\$ 27,300
	8.1%	Preconstruction Total				\$ 248,200	60%	\$ 148,920
		Construction Engineering Costs						
32	2.0%	Construction Contract Management	1	LS	52,200.00	\$ 52,200	60%	\$ 31,320
33	7.0%	Project Inspection	1	LS	179,300.00	\$ 179,300	60%	\$ 107,580
34	0.2%	Post-Construction / Warranty	1	LS	4,200.00	\$ 4,200	60%	\$ 2,520
35	0.0%					\$ -	60%	\$ -
36	0.0%					\$ -	60%	\$ -
	7.7%	Construction Engineering Total				\$ 235,700	60%	\$ 141,420
		Other Eligible Costs						
37	0.6%	Crop Damage Reimbursement	1	LS	18,900.00	\$ 18,900	60%	\$ 11,340
38	0.2%	Permit Fees	1	LS	5,000.00	\$ 5,000	60%	\$ 3,000
39	0.0%					\$ -	60%	\$ -
40	0.0%					\$ -	60%	\$ -
41	0.0%					\$ -	60%	\$ -
	0.8%	Other Eligible Total				\$ 23,900	60%	\$ 14,340
		In-eligible Costs						
42	0.0%					\$ -	0%	\$ -
43	0.0%					\$ -	0%	\$ -
44	0.0%					\$ -	0%	\$ -
45	0.0%					\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 3,054,652		
		Eligible Total				\$ 3,054,652	60%	\$ 1,832,791
		Federal or State Funds That Supplant Costs						
						\$ -		
		Eligible Cost Total				\$ 3,054,652	60%	\$ 1,832,791

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2022)

DWR Date Received :

Project: CRWD 2026 System Improvements
Sponsor: Cass Rural Water District
Contact: Brent Brinkman, General Manager
Phone: 701-428-3139
Engineer: Kellen Grubb, AE2S
Phone: 701-364-9111

Total Cost : \$ 2,350,507
Ineligible Cost : \$ -
Eligible Cost : \$ 2,350,507
Local Cost : \$ 587,627

Date: October 27, 2025

Cost-Share \$
Preconstruction : \$ 1,762,880
Construction : \$ 1,606,580

Project Type: Rural Water Supply
Cost-share % 75%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	3.9%	Mobilization	1	LS	75,000.00	\$ 75,000	75%	\$ 56,250
2	1.3%	Bonding	1	LS	25,000.00	\$ 25,000	75%	\$ 18,750
3	0.8%	Insurance	1	LS	15,000.00	\$ 15,000	75%	\$ 11,250
4	45.5%	Water Main 4 in	34800	LF	25.00	\$ 870,000	75%	\$ 652,500
5	3.2%	Directional Water Main Bore 4 in	1100	LF	55.00	\$ 60,500	75%	\$ 45,375
6	17.0%	Cased Water Main Bore 4 in (8 in Casing)	1800	LF	180.00	\$ 324,000	75%	\$ 243,000
7	1.3%	Tie-In to Existing Watermain	4	EA	6,000.00	\$ 24,000	75%	\$ 18,000
8	0.9%	Gate Valve	5	EA	3,500.00	\$ 17,500	75%	\$ 13,125
9	0.9%	Dual Blowoff Assembly	2	EA	8,500.00	\$ 17,000	75%	\$ 12,750
10	0.8%	Seeding	29040	SY	0.50	\$ 14,520	75%	\$ 10,890
11	0.2%	Gravel	50	TON	75.00	\$ 3,750	75%	\$ 2,813
12	0.9%	Restoration	34800	LF	0.50	\$ 17,400	75%	\$ 13,050
13	0.0%				-	\$ -	75%	\$ -
14	4.7%	40kW Standby Generator	1	EA	89,600.00	\$ 89,600	75%	\$ 67,200
15	4.7%	50kW Standby Generator	1	EA	90,100.00	\$ 90,100	75%	\$ 67,575
16	4.9%	60kW Standby Generator	1	EA	93,000.00	\$ 93,000	75%	\$ 69,750
17	0.0%				-	\$ -	75%	\$ -
18	0.0%				-	\$ -	75%	\$ -
19	0.0%				-	\$ -	75%	\$ -
20	0.0%				-	\$ -	75%	\$ -
21	0.0%				-	\$ -	75%	\$ -
22	0.0%				-	\$ -	75%	\$ -
23	0.0%				-	\$ -	75%	\$ -
24	0.0%				-	\$ -	75%	\$ -
25	0.0%				-	\$ -	75%	\$ -
26	0.0%				-	\$ -	75%	\$ -
		Construction Sub-Total				\$ 1,736,370	75%	\$ 1,302,278
		Contingency				\$ 173,637	75%	\$ 130,228
	81.3%	Construction Total				\$ 1,910,007	75%	\$ 1,432,505
Preconstruction Costs								
27	0.7%	Archeological Study	1	LS	14,000.00	\$ 14,000	75%	\$ 10,500
28	1.4%	Preliminary Design	1	LS	26,500.00	\$ 26,500	75%	\$ 19,875
29	6.6%	Final Design	1	LS	125,600.00	\$ 125,600	75%	\$ 94,200
30	1.1%	Bidding / Negotiations	1	LS	21,400.00	\$ 21,400	75%	\$ 16,050
31	1.1%	Survey (Easements and Monumenting)	1	LS	20,900.00	\$ 20,900	75%	\$ 15,675
	8.9%	Preconstruction Total				\$ 208,400	75%	\$ 156,300
Construction Engineering Costs								
32	2.2%	Construction Contract Management	1	LS	41,600.00	\$ 41,600	75%	\$ 31,200
33	7.1%	Project Inspection	1	LS	136,000.00	\$ 136,000	75%	\$ 102,000
34	0.2%	Post-Construction / Warranty	1	LS	4,100.00	\$ 4,100	75%	\$ 3,075
35	0.0%				-	\$ -	75%	\$ -
36	0.0%				-	\$ -	75%	\$ -
	7.7%	Construction Engineering Total				\$ 181,700	75%	\$ 136,275
Other Eligible Costs								
37	1.6%	Crop Damage Reimbursement	1	LS	38,400.00	\$ 38,400	75%	\$ 28,800
38	0.5%	Permit Fees	1	LS	12,000.00	\$ 12,000	75%	\$ 9,000
39	0.0%				-	\$ -	75%	\$ -
40	0.0%				-	\$ -	75%	\$ -
41	0.0%				-	\$ -	75%	\$ -
	2.1%	Other Eligible Total				\$ 50,400	75%	\$ 37,800
In-eligible Costs								
42	0.0%				-	\$ -	0%	\$ -
43	0.0%				-	\$ -	0%	\$ -
44	0.0%				-	\$ -	0%	\$ -
45	0.0%				-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 2,350,507		
		Eligible Total				\$ 2,350,507	75%	\$ 1,762,880
Federal or State Funds That Supplement Costs								
						\$ -		
		Eligible Cost Total				\$ 2,350,507	75%	\$ 1,762,880

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor: Cass Rural Water District
Project Title: CRWD 2026 System Improvements

Date: October 31, 2025

Explanation of Alternatives:

Do Nothing – No action will fail to alleviate pressure and demand concerns and CRWD will likely need to implement a high level of water restrictions, which could impact rural development and growth within Cass County. As a result, this alternative was not considered feasible.
 CRWD 2026 System Wide Improvements (Preferred) - This project addresses various deficiencies that CRWD experiences, including low pressures and flows during peak use, as well as provide additional protection against vulnerabilities of upstream infrastructure. It includes roughly 19,900 LF of regional watermain extensions and 37,700 LF of rural watermain extensions, ranging from 4-inch to 16-inch. The project also includes the addition of three backup generators and the expansion of an existing reservoir to increase storage capacity at Reservoir J.

Inputs:

New Connections Served	0
Future Connections Served	0
Current Connections Served	450
Net Connections (New + Current)	450

Current CIF Balance	
Annual CIF Contribution	
Cash Funding Target (Percentage %) New Assets	
Cash Funding Target (Percentage %) Existing Assets	
Annual CIF Contribution suggested for the Project	

	Do Nothing	CRWD 2026 System Wide Improvements (Preferred)		
Construction Cost	\$0	\$6,288,500		
Annual O & M	\$0	\$39,500		

Details:

Water demands have continued to increase due to higher water demands by many customers including agriculture spraying and irrigation. These additional water demands have resulted in insufficient water supply and pressure concerns throughout CRWD's system, especially in recently developed areas

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

	Do Nothing	CRWD 2026 System Wide Improvements (Preferred)		
Present Value				
Capital Costs	\$0	\$6,204,000		
O&M	\$0	\$1,018,000		
Repair, Rehab, Replacement	\$0	\$1,517,000		
Salvage Value	\$0	\$30,000		
Total PVC	\$0	\$8,709,000		
PV Cost Per User	\$0	\$19,353		

Current Water Rate (Cost Per 5000g)	\$57		
Comparable Water Rate	\$78		
Net Connections (New + Current)	450	450	
Cost-Share Percent	60%	60%	
Local Share	\$0	\$2,481,600	
Other Funding	\$0	\$0	
Total Local	\$0	\$2,481,600	
Payment Per User With Cost-Share	\$0.00	\$27.90	
Local Share	\$0	\$6,204,000	
Other Funding	\$0	\$0	
Total Local	\$0	\$6,204,000	
Payment Per User Without Cost-Share	\$0.00	\$69.74	

Explanation of Results:

The sponsor preferred project is the "CRWD 2026 System Wide Improvements" option. The present value cost of the preferred alternative is \$8,709,000 and \$0 for the "Do Nothing" alternative for comparison. The capital expenditure cost for the preferred alternative is \$6,204,000 and \$0 for the comparable alternative. The present value cost per user for the preferred alternative is \$19,353. The monthly user cost of the local share with DWR 75% cost-share participation is \$27.90 per month and \$69.74 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version

Version 1.2024.04.18



October 24, 2025

Department of Water Resources
Governor Kelly Armstrong
Chairman
900 East Boulevard Ave.
Dept 770
Bismarck, ND 58505-0850

**Re: Preconstruction Cost-Share Request WebGrants ID 1086532
CRWD 2026 System Improvements**

Dear Governor Armstrong and Commission Members:

Cass Rural Water District (CRWD) is pleased to submit a preconstruction cost-share request through WebGrants for consideration at the upcoming December 16, 2025 State Water Commission (SWC) meeting.

Project Overview

The proposed project is a comprehensive effort to enhance system performance, reliability, and resiliency across CRWD's service area. It includes three core components:

- **Rural System Water Main Improvements:** Installation of approximately 37,700 feet of 4-inch watermain to improve pressures and flows in rural portions of the distribution system.
- **Regional System Water Main Improvements:** Construction of 19,900 feet of 6-, 8-, 10-, 12-, and 16-inch watermain to strengthen system looping and operational flexibility.
- **Backup Power Generation:** Addition of three standby generators at Reservoirs H, I, and J to ensure uninterrupted service during power outages and improve system resiliency.

Project Need

In June 2025, severe storms and a destructive tornado impacted much of Cass County, tragically claiming three lives and causing extensive damage to homes, rail infrastructure, and utilities. Although CRWD's infrastructure largely withstood the event, power outages at Reservoirs H, I, and J left some customers without water service for 12 to 72 hours. These same facilities have also experienced power interruptions during major winter storms, underscoring the vulnerability of critical system components to extreme weather and electrical grid instability. Adding permanent backup generators at Reservoir H, I, and J will help ensure reliable water service to CRWD customers located in these service areas.

Additionally, several areas within CRWD's distribution system experience low pressures and limited flow during peak demand periods, while some dead-end mains restrict flexibility and optimal flow conveyance. The proposed rural and regional watermain extensions are aimed to resolve these deficiencies.

Project Objectives

The project will be designed to:

- Improve water pressures and flows during peak demand conditions.
- Eliminate system dead-ends and enhance operational flexibility through key looping improvements.
- Strengthen system reliability and resiliency with permanent backup generation at critical reservoir sites.

Thank you for considering CRWD's preconstruction cost-share application. Please feel free to contact me at (701) 428-3139 if you have any questions or need additional information.

Sincerely,

Cass Rural Water District



Brent Brinkman
General Manager

cc:

Jon Zuther, Chairman of the Board (CRWD)
Kellen Grubb, PE, Project Manager (AE2S)

DRAFT

MINUTES

CASS RURAL WATER USERS DISTRICT

October 23, 2025

The Cass Rural Water Users District Board of Directors met on Thursday, October 23, 2025, at 6:00 p.m. at Cass Rural Water Users Office in Kindred, North Dakota. The following Directors were present:

Barry Bowman
Jon Zuther

The following Directors participated by phone:

Keith Finger Alan Idso
Jeff Dahl Brad Koetz

The following Director was absent:

Jeff Zaun
Todd Ellison
Toby McPherson

Also present was Manager Brent Brinkman, CFO Scott Mann, Kellen Grubb of AE2S and Sean Fredricks of Ohnstad Twichell.

The minutes of the September 25, 2025 regular meeting were approved as presented.

Manager Brent Brinkman presented the summary of cash and investments for September 2025.

Director Dahl moved and Director Finger seconded a motion to approve the consent agenda.
Motion Carried.

A. PAY CERTIFICATE NO. 6 – CRWD NEW OFFICE – LEE JONES & SON

Director Finger moved and Director Idso seconded a motion to approve Pay Certificate No. 5 on CRWD New Office with Lee Jones & Son for the amount of \$196,107.74. Motion Carried.

B. CRWD 2026 SYSTEM IMPROVEMENTS – REQUEST FOR STATE WATER COST SHARE FOR PRE-CONSTRUCTION DOLLARS

Director Koetz moved and Director Finger seconded a motion to approve the CRWD 2026 System Wide Improvements Request for State Water Commission Cost-Share for Pre-Construction Costs. Motion Carried.

C. RESOLUTION SETTING ANNUAL MEETING, ELECTION & REVISION TO BY-LAWS

Director Dahl moved and Director Idso seconded a motion to approve the Resolution Setting Annual Meeting, Election and Revisions to the By-Laws.
Motion Carried.

D. APPROVAL & SIGNING OF PLOT FDM-MAPLETON SUBDIVISION

Director Idso moved and Director Koetz seconded a motion to approve and sign the Plot FMD Mapleton Subdivision. Motion Carried.

E. CRWD NDSP ERF & PIPELINE IMPROVEMENTS PROJECT – SRF LOAN CLOSEOUT

Director Dahl moved and Director Finger seconded a motion to approve CRWD NDSP ERF and Pipeline Improvements Project – SRF Loan Closeout.
Motion Carried.

Manager Brinkman reported on the District's operations for the month of September 2025.

The next regular Meeting was set for Thursday, November 20, 2025 at 6:00 p.m. in Kindred, North Dakota.

There being no further business brought to the Board, the meeting was adjourned.

Barry Bowman, Secretary

MEMORANDUM

TO:

Lt. Governor, Michelle Strinden
 Members of the State Water Commission

FROM:

Reice Haase, Secretary

SUBJECT:

State Water Supply – City of New Town
 Reverse Osmosis (RO) Membrane Water Treatment Plant

DATE:

November 25, 2025

Background & Description

The City of New Town is requesting preconstruction cost-share for their RO Membrane Water Treatment Plant (Project). The Project includes installation of a new RO water treatment plant at New Town, repurposing of the city’s existing water treatment plant for pretreatment, installation of transmission line between the two plants, upsized aeration equipment and new pumps, and electrical improvements. The purpose of the Project is to address high levels of total dissolved solids not currently removed by the existing system. The Project is located in Mountrail County.

Supplemental Information

Water Development Plan / Priority	2025/ Low
New / Future / Current Service Users	0/100/5,000
Present Value Cost / User (Preferred Alternative)	\$12,496
Rate / 5,000-Gallons	\$91
Comparable Rate / 5,000-Gallons	\$48
Water Source – Ground Water Wells, New Town Aquifer	

Schedule

Task	Dates
Study	Feb. 2024
Design	2027
Bid	2027
Construction	2027
Completion	2030

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$100,000	\$0	\$100,000		
Eligible Costs	\$2,900,000	\$30,447,600	\$33,347,600		
Total	\$3,000,000	\$30,447,600	\$33,447,600		
Cost-Share 60%	\$1,740,000	\$18,268,560	\$20,008,560		\$1,740,000

This project meets requirements of the Water Commission’s cost-share policy. Therefore, I recommend approval of this request from the City of New Town for state cost-share participation in the RO Membrane Water Treatment Plant project at 60 percent of eligible costs, not to exceed \$1,740,000. This approval is contingent on available funding.

RH:jsp:ln/2050NEW

Water Development Plan: Yes (2025)**Plan Priority: Low**

1086546 - RO Membrane Water Treatment Plant - Preconstruction Request

Application Details

Funding Opportunity:	Initial Submit Date:	Oct 28, 2025 3:52 PM
1085949-July 2025 - June 2026 Infrastructure Request	Initially Submitted By:	Abby Ritz
Funding Opportunity Due Date:	Last Submit Date:	
Jun 30, 2026 3:00 PM	Last Submitted By:	
Program Area:		
Funding for Infrastructure in ND - FIND		
Status:		Submitted
Stage:		Final Application

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Salutation Abby First Name
Middle Name	Ritz
Last Name	
Title:	
Email*:	abby.ritz@ae2s.com
Address*:	1815 Schafer Street, Suite 301

Organization Information

Status*:	Approved
Name*:	City of New Town
Organization Type*:	Municipal Government
Tax Id:	
Organization Website:	
Address*:	PO Box 309 103 Soo Place

AE2S	New Town	North Dakota
Bismarck	City	State/Province
58501	58763-0309	
Postal Code/Zip	Postal Code/Zip	
Phone*:	701-221-0530	Ext. 701-627-4812
Phone	###-###-####	###-###-####
Fax:	###-###-####	###-###-####
Comments:	Vendor ID:	PeopleSoft Supplier ID:
	Comments:	Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:	RO Membrane Water Treatment Plant
Sponsor(s)*:	City of New Town
County*:	Mountrail
City*:	New Town
Description of Request*:	New
Project Type:	Municipal Water Supply
If Project is a Study, What Type?:	
If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:	Ground Water Wells
Jurisdictions/Stakeholders Involved*:	
	City of New Town, Fort Berthold Rural Water District

**Describe the Problem/Need
and the Circumstances that
Led to This Application*:**

The City of New Town treats and supplies drinking water for its residents (including enrolled tribal members) along with the neighboring Ft. Berthold Rural Water System and currently serves a total population of 5,000. The WTP's lime softening has been successful in removing hardness from New Town's drinking water, but the technology cannot remove the excessive Total Dissolved Solids (TDS) found in the source water. New Town is double in the recommended TDS levels set by the USEPA.

High TDS has been correlated with health concerns. Past studies have reported relationships between TDS concentrations in drinking water and cancer and heart diseases as well as total mortality rates. In one particular study conducted in Australia, it was found that mortality rates are high in a community with higher levels of soluble calcium, sulfate, magnesium, chloride, and fluoride (all minerals contributing to TDS levels) in comparison to a community with lower levels.

**Describe the Proposed or
Chosen Solution(s) to
Address the Problem/Need*:**

The proposed project upgrades the WTP to a reverse osmosis membrane treatment system, re-purposing the old WTP for pretreatment and eliminating the softening. RO membranes can remove the high levels of TDS, salinity, etc.

**Describe the Objectives or
Goals Specific to This
Application*:**

The objective of this application is to secure funding for preconstruction engineering so the city can begin design for the project.

**Describe the Scope of Work
or Project Activities Specific
to This Application*:**

Scope of work included in this application includes preliminary design, final design, and bidding services.

For this project,

**Choose City, County, Water
District or Other*:** City

**What is the Current
Estimated Population?*** 3300

For this project,

**What is the Benefited
Population?*** 5000

**Have Assessment Districts
Been Formed?***: N/A

**Have Land or Easements
Been Acquired?***: N/A

**Are There Any Properties
with Wells, Drain Fields, or
Holding Tanks Within the
Project Area That Will Benefit
from the Project?***: No

**Are There Any Road
Improvements Included as
Part of the Project?***: No

**Have You Applied For Any
Federal Permits?***: No

**Have You Applied for any
State Permits?***: No

**Have You Applied for any
Local Permits?***: No

**Do You Expect Any
Obstacles to Implementation
(i.e. Problems with Land
Acquisition, Permits,
Funding, Local Opposition,
Environmental Concerns,
etc.)?***: No

**Have You Received, or Do
You Anticipate Receiving
Federal Funding?** No

(Example: Hazard Mitigation Grant
Program)

*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: Feb. 2024

Design Completion*: 2027

Bid*: 2027

Construction Start*: 2027

Construction Completion*: 2030

**Explain Additional Timeline
Issues*:**

No issues anticipated.

Consulting Engineer*: Jasper Klein, PE

**Engineer Direct Phone
Number*:** 701-221-0530

Engineer Email*: jasper.klein@AE2S.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Yes

**Intentionally Falsify
Statements as Part of the
Cost-Share Application
Process Per NDCC 12.1-11-
02. Therefore, I Certify That,
to the Best of My Knowledge,
the Provided Information is
True and Accurate, and in
Execution of This Project, the
Sponsor Will Follow All
Applicable Laws and
Permitting Requirements. I
Further Certify Assurance of
Sustainable Operation,
Maintenance, and
Replacement of The Assets
For Which We Are
Requesting Cost-Share.*:**

Authorized Individual*: Eileen Zaun 10/24/2025
First Name Last Name Date

Title/Position/Authority*: City Auditor

Address*: PO Box 309
Address Line 1
Address Line 2

	New Town	North Dakota	58763-0309
	City	State	Zip Code
Direct Phone Number*:	701-627-4812		
Sponsor Email*:	ezaun@cityofnewtown.net		
Are You Seeking Department of Water Resources Cost-Share?*	Yes		
Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:	Jay	Standish	
	First Name	Last Name	
Authorized Signor Title/Position:	Mayor		
Authorized Signor Email:	jstandish@cityofnewtown.net		
Authorized Signor Direct Phone Number:	701-421-6628		
Provide the Name for One Additional Board Member, if Applicable:	First Name	Last Name	
Additional Board Member Title/Position:			
Additional Board Member Email:			
Additional Board Member Direct Phone Number:			

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:

CLICK HERE to see examples.

Project Specific Map

ProjectMap.pdf

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*

No

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes:

New Town Meeting Minutes.pdf

Cover Letter:

Reverse Osmosis Cover Letter.pdf

Are You Seeking Cost-Share for a Main Street Initiative Related Project?:

No

[CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.](#)

Delineation of Costs SFN 61801:

New Town RO_delineation_of_cost.xlsx

Type of Request:

Preconstruction

Is This a Water Supply Project?:

Yes

[CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.](#)

Life Cycle Cost Analysis:

New Town RO life_cycle_cost_analysis v2.xlsx

Is This a Rural Flood Control Project?:

No

Is This a Drain Reconstruction Project?:

No

Is This a Flood Recovery Property Acquisition Project?:

No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?:

No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?:

Yes

Feasibility/Engineering Study Material:

Executive Summary.pdf

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s):

Yes

Other Applicable Document: NT Study Summary Handout 2024.pdf

Other Applicable Document:

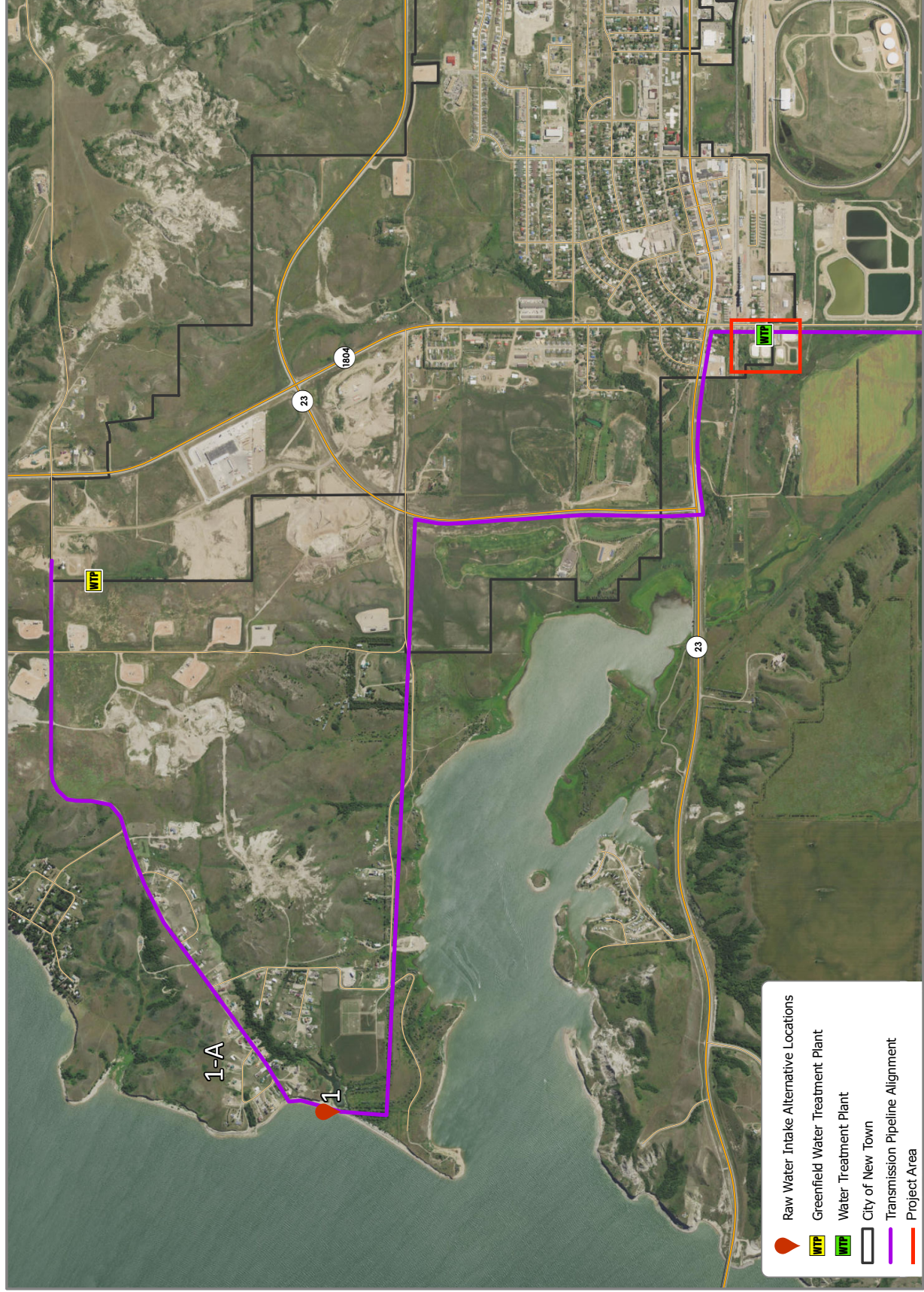
Other Applicable Document:

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

If Other, State Fiscal

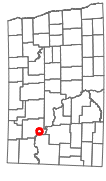
Source	Specify Funding Source	Source Status	Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Department of Water Resources Cost Share Pre- Construction		Current Request	\$464,000.00	\$928,000.00	\$348,000.00	\$1,740,000.00		0.00	0.00
Department of Water Resources Cost Share Construction		Future Request	\$0.00	\$0.00	\$18,268,560.00	\$18,268,560.00		0.00	0.00
Other	Local Matching Funds TBD		\$309,000.00	\$619,000.00	\$12,511,040.00	\$13,439,040.00		0.00	0.00
			\$773,000.00	\$1,547,000.00	\$31,127,600.00	\$33,447,600.00			



Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere | Edited by: Cidenberg | C:\Data\Projects\Wasun\New Town\00534-2022-001 Water Intake Study\GIS\New Town Water Intake Study - Mapping and Analysis.aprx | Alignment Alternatives Mapbook



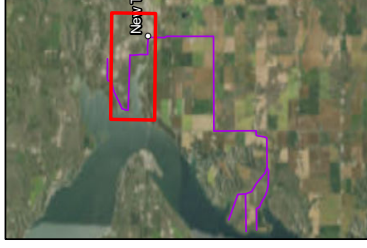
0 0.25 0.5
Miles
1 inch equals 0.4 miles



Locator Map Not to Scale

NEW TOWN
MOUNTRAIL, ND

Area Map



CITY OF NEW TOWN

Date: 10/24/2022





DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received : October 28, 2025

Project: New Town RO Water Treatment Plant Improvements
Sponsor: City of New Town
Contact: Eileen Zaun, City Auditor
Phone: 701-627-4812
Engineer: Jasper Klein, AE2S
Phone: 701-221-0530

Total Cost : \$ 33,447,600
Ineligible Cost : \$ 100,000
Eligible Cost : \$ 33,347,600
Local Cost : \$ 13,439,040

Date: October 24, 2025

Cost-Share \$
\$ 20,008,560
Preconstruction : \$ 1,740,000
Construction : \$ 18,268,560

Project Type:

Cost-share %

Municipal Water Supply

60%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	4.8%	Mobilization	1	LS	1,338,000.00	\$ 1,338,000	60%	\$ 802,800
2	1.1%	Bonding	1	LS	300,000.00	\$ 300,000	60%	\$ 180,000
3	1.0%	Insurance	1	LS	273,300.00	\$ 273,300	60%	\$ 163,980
4	9.2%	Site Work	1	LS	2,583,000.00	\$ 2,583,000	60%	\$ 1,549,800
5	18.4%	Building	9000	SF	573.00	\$ 5,157,000	60%	\$ 3,094,200
6	0.8%	Aerator Modifications	1	LS	229,000.00	\$ 229,000	60%	\$ 137,400
7	2.6%	Fe/Mn Gravity Filters	1	LS	733,000.00	\$ 733,000	60%	\$ 439,800
8	24.8%	RO Skids and Ancillary Equipment	1	LS	6,960,000.00	\$ 6,960,000	60%	\$ 4,176,000
9	1.1%	Chemical Feed Equipment	1	LS	317,000.00	\$ 317,000	60%	\$ 190,200
10	2.9%	Process Pipes, Valves, Fittings	1	LS	800,000.00	\$ 800,000	60%	\$ 480,000
11	0.6%	Demolition	1	LS	162,400.00	\$ 162,400	60%	\$ 97,440
12	0.6%	Pump Equipment	1	EA	164,000.00	\$ 164,000	60%	\$ 98,400
13	1.3%	Mechanical	1	LS	366,300.00	\$ 366,300	60%	\$ 219,780
14	9.4%	Electrical	1	LS	2,643,000.00	\$ 2,643,000	60%	\$ 1,585,800
15	12.4%	Transmission Lines	1	LS	3,490,000.00	\$ 3,490,000	60%	\$ 2,094,000
16	0.0%					\$ -	60%	\$ -
17	0.0%					\$ -	60%	\$ -
18	0.0%					\$ -	60%	\$ -
19	0.0%		0		-	\$ -	60%	\$ -
20	0.0%		0		-	\$ -	60%	\$ -
21	0.0%		0		-	\$ -	60%	\$ -
22	0.0%		0		-	\$ -	60%	\$ -
23	0.0%		0		-	\$ -	60%	\$ -
24	0.0%		0		-	\$ -	60%	\$ -
25	0.0%		0		-	\$ -	60%	\$ -
26	0.0%		0		-	\$ -	60%	\$ -
		Construction Sub-Total				\$ 25,516,000	60%	\$ 15,309,600
		Contingency				\$ 2,551,600	60%	\$ 1,530,960
	83.9%	Construction Total				\$ 28,067,600	60%	\$ 16,840,560
Preconstruction Costs								
27	9.6%	Final Design	1	LS	2,700,000.00	\$ 2,700,000	60%	\$ 1,620,000
28	0.2%	Geotechnical Investigations	1	LS	60,000.00	\$ 60,000	60%	\$ 36,000
29	0.5%	Bidding / Negotiations	1	LS	140,000.00	\$ 140,000	60%	\$ 84,000
30	0.0%		0		-	\$ -	60%	\$ -
31	0.0%		0		-	\$ -	60%	\$ -
	8.7%	Preconstruction Total				\$ 2,900,000	60%	\$ 1,740,000
Construction Engineering Costs								
32	7.1%	Project Inspection	1	LS	2,000,000.00	\$ 2,000,000	60%	\$ 1,200,000
33	1.1%	I&C System Services	1	LS	300,000.00	\$ 300,000	60%	\$ 180,000
34	0.3%	Post-Construction / Warranty	1	LS	80,000.00	\$ 80,000	60%	\$ 48,000
35	0.0%		0		-	\$ -	60%	\$ -
36	0.0%		0		-	\$ -	60%	\$ -
	7.1%	Construction Engineering Total				\$ 2,380,000	60%	\$ 1,428,000
Other Eligible Costs								
37	0.0%		0		-	\$ -	60%	\$ -
38	0.0%		0		-	\$ -	60%	\$ -
39	0.0%		0		-	\$ -	60%	\$ -
40	0.0%		0		-	\$ -	60%	\$ -
41	0.0%		0		-	\$ -	60%	\$ -
	0.0%	Other Eligible Total				\$ -	60%	\$ -
In-eligible Costs								
42	0.3%	Property Acquisitions (Water Supply)	1	LS	100,000.00	\$ 100,000	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.3%	Other Ineligible Total				\$ 100,000	0%	\$ -
100.0%		Total				\$ 33,447,600		
		Eligible Total				\$ 33,347,600	60%	\$ 20,008,560
Federal or State Funds That Supplant Costs								
		Eligible Cost Total				\$ 33,347,600	60%	\$ 20,008,560

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor:
Project Title:

City of New Town
New Town RO WTP Improvements

Date:

November 6, 2025

Explanation of Alternatives:

RO Water Treatment Plant - This alternative entails the addition of an RO membrane system to treat the current source groundwater to reduce hardness and TDS. As such, the current lime softening process is no longer needed and will be demolished. The existing WTP and process basins will be repurposed where possible to fit in the new treatment alternative. A new building will be constructed above the existing clear well to house the RO membrane system and includes RO membrane skids, RO clean-in-place (CIP) systems, RO permeate flush system, and related chemical feed systems.

UF Membranes with New Missouri River Intake - This alternative repurposes the existing WTP to treat surface water from the Missouri River. Core processes consist of coagulation, flocculation, and sedimentation targeting turbidity removal followed by Ultrafiltration (UF) membrane units. Surface water represents different challenges including fluctuating turbidity and increased treatment requirements of the Surface Water Treatment Rule.

RO Water Treatment w/Blending - This alternative uses the existing groundwater system, expands the lime softening treatment capacity at the WTP, and adds a new RO system to further treat water from the clear well. The RO system provides enhanced treatment to a portion of the lime softened water from the clear well and then blends it back to meet treatment goals. A new 10,000 square foot building located on top of the clear well will house a new lime softening train and the RO system.

New Green Site UF WTP with Missouri River Intake - This alternative provides a new green site UF membrane WTP to treat surface water from the Missouri River. Treatment is similar to Alternative 3 but provides a new WTP, located several miles north of the existing WTP.

Inputs:

New Connections Served	0
Future Connections Served	100
Current Connections Served	5000
Net Connections (New + Current)	5000

Current CIF Balance	
Annual CIF Contribution	
Cash Funding Target (Percentage %) New Assets	
Cash Funding Target (Percentage %) Existing Assets	
Annual CIF Contribution suggested for the Project	

	RO Water Treatment Plant (Preferred)	UF Membranes with New Missouri River Intake	RO Water Treatment w/Blending	New Green Site UF WTP with Missouri River Intake
Construction Cost	\$33,447,600	\$45,593,000	\$41,005,000	\$62,789,200
Annual O & M	\$770,000	\$850,000	\$900,000	\$750,000

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

	RO Water Treatment Plant (Preferred)	UF Membranes with New Missouri River Intake	RO Water Treatment w/Blending	New Green Site UF WTP with Missouri River Intake
Present Value				
Capital Costs	\$32,560,000	\$44,384,000	\$39,917,000	\$61,124,000
O&M	\$19,112,000	\$21,099,000	\$22,336,000	\$18,612,000
Repair, Rehab, Replacement	\$12,714,000	\$20,863,000	\$15,336,000	\$0
Salvage Value	\$1,904,000	\$2,496,000	\$2,257,000	\$0
Total PVC	\$62,482,000	\$83,850,000	\$75,332,000	\$79,736,000
PV Cost Per User	\$12,496	\$16,770	\$15,066	\$15,947

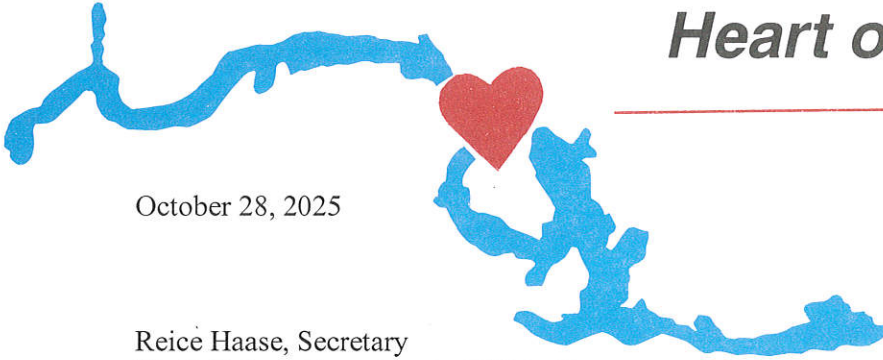
Current Water Rate (Cost Per 5000g)	\$91			
Comparable Water Rate	\$48			
Net Connections (New + Current)	5,000	5,000	5,000	5,000
Cost-Share Percent	60%	60%	60%	60%
Local Share	\$13,024,000	\$17,753,600	\$15,966,800	\$24,449,600
Other Funding	\$0	\$0	\$0	\$0
Total Local	\$13,024,000	\$17,753,600	\$15,966,800	\$24,449,600
Payment Per User With Cost-Share	\$13.18	\$17.96	\$16.15	\$24.74
Local Share	\$32,560,000	\$44,384,000	\$39,917,000	\$61,124,000
Other Funding	\$0	\$0	\$0	\$0
Total Local	\$32,560,000	\$44,384,000	\$39,917,000	\$61,124,000
Payment Per User Without Cost-Share	\$32.94	\$44.91	\$40.39	\$61.84

Explanation of Results:

The sponsor preferred project is the "RO Water Treatment Plant" option. The present value cost of the preferred alternative is \$62,482,000 and the presented alternative for comparison is "UF Membranes with New Missouri River Intake" at a present value cost of \$83,850,000. The present value cost per user for the preferred alternative is \$12,496. The monthly user cost of the local share with DWR 60% cost-share participation is \$13.18 per month and \$32.94 without DWR participation.

	Year		Annual Population Growth	Average Annual Population
ND Dept. of Commerce	2010	2023	Rate	Increase/Decrease
Population & Trends	1,925	2,725	3.2%	62

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.



Heart of Lake Sakakawea

October 28, 2025

Reice Haase, Secretary
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck ND 58504

City of New Town
P.O. Box 309
New Town, North Dakota 58763
Phone: (701) 627-4812

Re: Funding Request for Pre-Construction Cost-Share – Reverse Osmosis Membrane Treatment System in New Town, ND

Dear Mr. Haase,

On behalf of the City of New Town, I am writing to request pre-construction cost-share funding for a critical water infrastructure project in New Town, North Dakota. We are proposing the installation of a reverse osmosis membrane treatment system designed to address the elevated levels of total dissolved solids (TDS), sulfates, and hardness in the community's source water.

Recent finished water quality tests have revealed that TDS and sulfate levels in New Town's source water are approximately double the Environmental Protection Agency's (EPA) recommended limits. Elevated TDS concentrations have been correlated with serious health risks, including increased incidences of cancer, heart disease, and higher mortality rates. These findings underscore the urgent need for intervention to ensure the health and safety of New Town Residents, Tribal Members, and Secondary users such as Fort Berthold Rural Water System.

The proposed reverse osmosis system will significantly reduce TDS and sulfate levels, providing clean, safe drinking water that meets EPA standards. This project represents our continued investment in our water system by taking a proactive step toward safeguarding public health, improving water quality, and enhancing the overall well-being of the community.

We appreciate your consideration of this request and your commitment to supporting vital infrastructure improvements in North Dakota communities. We welcome the opportunity to discuss this project further and provide any additional information needed.

Thank you for your time and support.

Sincerely,

Jay Standish
Mayor

By Laurel Ciffey
Asst. Auditor

**Regular City Council Meeting
Council Room
Wednesday September 24, 2025
5:00 PM**

Members Present: Mayor Jay Standish, Council Members: Frank Sillitti, Jesse Baker, Doug Bratvold, Nathaniel Mayer

Others Present: City Attorney William Woods, Eileen Zaun, Laurie Giffey, Essy Mata, Scott Andersen, Cal Oldenburg, Jason Stand, Patrick Samson, John Degroot, Chief Troy White Owl, Karla Harmenl. Ryan Anderson, Jasper Klein, James Phipps, Jeremy Burkhardt, Carolyn Hayden, Bobbie Mitchell, Demetrius Jamerson, Kia Herbel, Lisa Lone Fight.

Meeting called to order 5:00 PM

Agenda: Motion by Sillitti second Baker to approve the agenda.

1. Budget: Karla Harmel:

2026 budget was presented: some changes from the preliminary budget; Added interest earnings, added several other revenues, such as water/sewer permits, added \$119,700 to Police dept. for additional officers and additional taser contract, removed \$13M in project expenses for East Central Ave. & Phase 3 Street & sewer improvements, changed Library transfer from \$365K to \$295K, deleted 3 funds (NT development fund-NT Building Fund -Civil Defense fund). The fund 608 garbage/Landfill is not making any money, too much expenses going out and not enough coming in. may have to raise the rates to get this fund out of the red. This is something to think about. The largest department increases in two years (More than \$10,000.00)– Police Department, Library, Highway and Streets, Water Plant, Water Distribution, Auditors Office, Fire Station, Pool & Splash Pad, Tree Trimming & Removal.

2. Budget Public Hearing:

Motion by Bratvold second Baker to close the regular meeting and go in to a public hearing.

No one was here to speak for or against the budget.

Motion by Bratvold second Baker to close the public hearing and go back into the regular meeting.

Motion by Baker second Bratvold to approve the 2026 final budget.

Voting Aye: Baker. Bratvold, Mayer, Sillitti: - Motion Carried.

3. Assessment Agreement Karla:

At the next council meeting I will have an Assessing agreement for the city council to sign, it will be for a 2-year contract, \$60,000.00 per year. I did not have the agreement ready for this meeting as the budget took longer than I expected.

4. Minutes:

Motion by Mayer second Sillitti to approve the minutes from the August 14th council meeting.

All Voting Aye: Motion Carried.

Motion by Baker second Bratvold to approve the minutes from the August 20th council meeting.

All Voting Aye: Motion Carried

5. Financials:

Motion by Bratvold second Baker to approve the financials and bill set as presented.

Voting Aye: Bratvold, Baker, Mayer, Sillitti

Voting Nay: None Motion Carried

First of the month: CK#045775 Fargo Glass and Paint \$42,225.00, CK#045776 Herel Julie \$208.60, CK#045777 McRandall Mobile \$100.00, CK#045778 MWEC \$8,035.99, CK#045779 NT Air Port Authority \$188,323.47, CK#045780 RTC \$2,494.00, CK#045781 Terracon \$11,300.00, CK#045782 United Quality \$3,262.45, CK#045783 VISA \$122.84, CK#045784 VISA \$114.83, CK#045785 Woods

William \$3,500. **Total Checks \$259,596.18. Council Bills:** CK#045793 Ackerman-Estvold \$56,555.03, CK#045794 AE2S \$93,506.95, CK#045795 Aire-Master \$240.00, CK#045796 American Welding & Gas \$6,420.25, CK#045797 Armor Interactive \$1,718.77, CK#045798 Bratvold Geri \$116.08, CK#045799 Braun Intertec \$7,832.25, CK#045800 Brit Communications \$1,155.00, CK#045801 CEI \$3,615.46, CK#045802 Cenex Fleet Card \$22.07, CK#045803 Core & Main \$17,415.75, CK#045804 Eagle Rock Timber \$150.00, CK#045805 Elan Financial Services \$5,578.65, CK#045806 Elan Financial Services \$712.74, CK#045807 Elan Financial Services \$836.97, CK#045808 Electronic Communications \$1,200.00, CK#045809 Flowpoint Environmental \$325.70, CK#045810 Follett Software \$1,147.68, CK#045811 Furuseth Law Firm \$1,000.00, CK#045812 Graymont \$9,201.51, CK#045813 Gustafson Septic Service \$36,680.00, CK#045814 Hawkins \$5,322.66, CK#045815 Hawn James \$14.42, CK#045816 Hayden Carolyn \$59.00, CK#045817 Herbel Julie \$520.80, CK#045818 Hirshfields \$1,163.98, CK#045819 Information Technology Dep \$321.80, CK#045820 Jamerson Demetrius \$67.06, CK#045821 KLM Engineering \$6,614.00, CK#045822 Language Link \$104.60, CK#045823 Meyer Contracting \$1,043,736.53, CK#045824 Mitchell, Bobbi Ann \$94.49, CK#045825 Mountrail County \$87.21, CK#045826 Mountrail County Promoter \$466.20, CK#045827 NAPA \$700.04, CK#045828 NDDOT \$2,189.01, CK#045829 One Call Concepts \$84.00, CK#045830 Premier Partners \$4,200.00, CK#045831 Rolac Contracting \$524,935.98, CK#045832 Ryan Chevrolet \$266.42, CK#045833 Satermo Hardware \$366.87, CK#045834 Slawson Exploration \$14.76, CK#045835 Unifor Center \$179.97, CK#045836 United Quality \$1,616.35, CK#045837 United Quality \$999.27, CK#045838 United Quality \$5,545.33, CK#045839 USA Blue Book \$3,078.09, CK#045840 Valiant Construction \$354,466.27, CK#045841 Vessco \$575.86, CK#045842 Wagner Construction \$49,558.02, CK#045843 Western Dakota Energy \$4,000, CK#045844 Westlie Motor Company \$1,154.44, CK#045845 White Owl Troy \$59.00. **Total Checks \$2,258,053.29**

6. United Quality Elevator

Councilmen Sillitti spoke about the grain dust that is just terrible around his house and wants to know what the elevator is going to do about this. His family all have been sick from all the dust that blows right toward his property. I am not the only one in town that is worried about all the dust. Lisa Lone Fight brought some lecture for the council to look at about the concern of the elevator dust. We've been looking into potential air quality concerns in our community, particularly those associated with grain handling and storage. It's important for us to address any potential hazard, that can affect the health of our residents.

James Phipps from Dakota quality Grain spoke about his concerns also. We shut the blower off in July as it was plugged at that time. We thought it was fixed, I apologize for the dust, we are still waiting for the company to get here and fix the blower, we now have the engineers working on it. This is a new system we spent a lot of money on it, and it should be running where there is no dust blowing around. I will keep you in the loop of what is going on with this.

7. Truck Violation - Definition of a Truck.

Section 70201 (Establishing a truck Route) second amended resolution was presented:

The term "**truck**" is defined under the North Dakota Century Code (NDCC) § 39-01-01(99) as: "Every motor vehicle designed, used, or maintained primarily for transportation of property." The term "**trailer**" is defined under the North Dakota Century Code (NDCC) § 39-01-01(98) as every vehicle without power designed to be drawn by a motor vehicle and so constructed that no part of its weight rests upon the towing vehicle.

Motion by Sillitti second Baker to approve the second Amended Resolution as written.

All Voting Aye: Motion Carried.

Section 7.0601 – (Public Use) For the Purposes of this section: In North Dakota, the term "**truck**" is defined under the North Dakota Century Code (NDCC) § 39-01-01(99) as: "Every motor vehicle

designed, used, or maintained primarily for transportation of property.” The term “**trailer**” is defined under the North Dakota Century Code (NDCC) § 39-01-01(98) as every vehicle without power designed to be drawn by a motor vehicle and so constructed that no part of its weight rests upon the towing vehicle.

Motion by Bratvold second Baker approve the Ordinance Amending Chapter Seven Section 7.0601.

All Voting Aye: Motion Carried.

8. Golf Course Agreement:

This Agreement shall amend a certain Agreement, dated October 9, 1989, between the parties; and shall be in effect for a period of ten (10) years from the date of execution. The primary goal of the CITY by entering this agreement is to provide affordable golf as a recreational opportunity to all citizens and maximize revenues and performance.

Thereafter, this Agreement will automatically renew for an additional ten (10) year, upon the same terms, unless either party provides written notice to the other party that it does not desire to renew the Agreement.

Motion by Baker Seocond Sillitti to approve the Golf Course Agreement as presented.

All Voting Aye: Motion Carried.

9. City Forman- Scott Andersen:

We have most of the street signs up, and the curbs painted around the fire hydrants. I have two bids for the new fence by station two. Dakota Fence was \$49, 750.00 and Security Fence \$30,896.00. Council is not sure we need to get bids, why don't you check out prices on fence and do it yourself.

**I'm asking if it's ok to go work for the water plant. We can't find help, nor help that sticks around, and I'm here, don't plan I moving. I will keep my job with the streets until we find someone to take my place. Council is ok with this decision.

10. Water Plant Updates -Cal Oldenburg:

We hired another water plant employee. The last load of lime had rocks in, this is making lots of issues with our lime pumps, messing up slake 1& 2 discharge valves, clogging up pneumatic feed system and keeping the staff busy non-stop. Getting ahold of the company and see what they are going to do about the rocks in the line and the damaged equipment. Led on down time with softening process for two & a half-days while waiting on part to arrive. Trying to get a vav-truck down here to get rid of the lime.

Working on dewatering pond (5) for lime removal this fall/winter. Maintenance progress 315 of 538 valves complete-90 of 873 curb stops complete- 24 of 185 hydrants complete.

11. Water Plant RO System Jasper:

To get stated on the new RO system I would like permission to submit a cost share request to the DWR- 60% grant for preconstruction funding- for the December 16th SWC meeting, request will be for \$3.0m. \$33.4 Million is needed for this project. Project construction 2028-2029. We are also going to ask for federal & State cost share money to help with this RO System. City cost 3.4 million. Motion by Bratvold second Baker to approve the funding process with SWC.

All Voting Aye: Motion Carried.

6:40 PM Nathaniel Mayer & Jesse Baker Left the Meeting:

AE2S- Jason Strand:

New Town Sand Hill Water Tower/Design work has begun for this project, to be completed by the end of 2025. We would like to hold a design kickoff meeting with the city next week,

preferably Tuesday. Primarily we would like to discuss possible lighting on the tower, and any communications or emergency antennas to be wired at the tower. Which day would work best for the city?

New Town 2023 Street & Utility Improvements:

Glenda Good Bird's sidewalk at 202, 204, and 206 6th Avenue E will be constructed under Work Change Directive #3 of this year's Phase 2 project, which will have Meyer Contracting and Innovative Concrete doing the work. This work will be completed in the next couple weeks. Wagner Construction has replaced the settled curb and pavement on the northside of Eagle Dr by the school. This was the final punchlist item on the project. Tonight, I am submitting the Notice of Acceptability of Work, formally accepting the project from Wagner Construction.

Motion by Bratvold second Sillitti, notice of acceptability of work for the 2023 Street Project.

Voting: Aye: Bratvold, Sillitti, Standish- Motion Carried.

Voting Nay or Absent: Baker, Mayer

New Town 2025 Street & Utility Improvements (Phase 2): Meyer is currently working on water service installations on Eagles Loop. Once these are completed, they will install the meter pits on East Avenue and on 3rd Street N, along with the doghouse meter pit on Dakota Drive. Innovative Concrete has installed all of the concrete in the "Phase 1" areas, and will soon start installing curb and gutter behind Meyer's crew on Eagles Loop. Industrial Builders will be coming soon to install the cement stabilization throughout Eagles Loop and 5th Street N (from Rainbow Dr to College Dr). Bechtold Paving has paved all of the "Phase 1" areas with a bottom lift of pavement. The top lift will be paved when they come back to pave Eagles Loop and 5th Street N later this fall. During construction, it was decided to install all mountable curb along 5th St N (between Rainbow Dr and College Dr) in order to have a consistent curb section, instead of some areas being high back curb and some areas being mountable. After reviewing the driveways in front of the FBHA duplexes on 5th Street (east of Rainbow Drive), we would like the city to consider adding curb along the front of the paved driveways. This curb would better channel drainage along the edges of the street, rather than having the drainage go through an asphalt swale at the end of the driveway (as the driveways currently do). Based on our measurements, we figure it will take approximately 421-LF of additional curb and gutter, for an approximate cost of \$18,865.01. We would like council's approval.

Motion by Bratvold second Sillitti to approve change order for the curb by FBHA.

Voting Aye: Bratvold, Sillitti, Standish- Motion Carried

Voting Nay or Absent: Baker, Mayer

SWC drawn down request, #5 -\$360,771.05 will need Eileen to sign the paper.

Motion by Bratvold second Sillitti to approve draw down #5 for \$360,771.05 street project 2025.

Voting Aye: Bratvold, Sillitti, Standish.

Voting Nay or Absent: Mayer, Baker: Motion Carried.

Draw request: CWSRF- \$324,023.02 and DWSRF -\$425,130.41, Eileen will need to sign the paper.

Motion by Sillitti second Bratvold approve drawn down request: CWSRF \$324,023 and DWSRF \$425,130.41, Street project 2025

Voting Aye: Sillitti, Bratvold, Standish.

Voting Nay or Absent: Mayer, Baker: Motion Carried.

I plan to bringing Task order #18 to the October council meeting for the 2027 Street & Utility project.

12. Ackerman-Estvold Ryan Anderson: Ryan Snderson:

City Hall-Change order #002 -Soil corrections: Draw from correction allowance.

Motion by Bratvold second Sillitti to accept change order #002- \$35,000.00 decrease in continuance, for fuel tank removal & Backfilling.

Voting Aye: Bratvold, Sillitti, Standish

Voting Nay or Absent: Mayer, Baker

Change order #003 - Add electrical strikers to hardware schedule and added electrical work per EPR EE-1 and additional door lock police side, \$20,439.00.

Motion by Sillitti second Bratvold to approve the door lock strikers and electrical work.

Voting Aye: Sillitti, Bratvold, Standish

Voting Nay or Absent: Mayer, Baker

Change Order #004: -Rough in electrical floor box in court room for the A/V system \$6,548.00.

Motion by Bratvold second Sillitti to approve the electrical box in the court room.

Voting Aye: Bratvold, Sillitti, Standish

Voting Nay or Absent: Baker, Mayer

Venue - Change Order #005 Misc requests:

- Removal of fridge and adjustments to base/upper cabinets per request deduct \$3,507.42
- Additional of electrical heater in north vestibule per request- Add \$2,615.55.
- Additional camera and data rough-ins per RTC request proposal -Add \$5,165.97.

With these changes orders #005 total - \$4,274.10.

Motion by Bratvold second Sillitti approve this change order #005, Misc requests for \$4,274.10.

Voting Aye: Sillitti, Bratvold, Standish

Voting Nay or Absent: Baker, Mayer

Partick Samson:

West Central Avenue Improvements: Topsoil has been placed, waiting on seeding to finish, Irrigation for the Church has been reinstalled but not yet tested, Contractor has been notified about the Church's missing cones, Curb at the Northern Lights Catch Basin still needs to be installed, East Avenue repairs, Paving should be completed this week.

- Pay Application #2 received this morning for \$476,023.34, recommend to pay Bechtold Paving.

This was not in the bill set.

Motion by Bratvold second Sillitti approve paying Bechtold Paving \$476,023.34.

Voting Aye: Bratvold, Sillitti, Standish

Voting Nay or Absent: Mayer, Baker

NDDOT Trail Project (PCN 23923)- Topsoil and seeding this week and signs next week. Project should be completed at the end of next week.

Cemetery- Survey work is pending coordination with City staff.

13. Police Report:

NDDOT contract (Vision Zero) approval for signatures from Mayer, Auditor and Myself for the 2025/2026 for Occupant Protection, Impaired Driving, Speed Enforcement, and Distracted driving \$10,230.00. Back the Blue for \$28,195.50 for retention bonuses.

Motion by Bratvold second Sillitti approve the contract with Vision Zero and Back the Blue.

Voting Aye: Bratvold, Sillitti, Standish

Voting Nay or Absent: Baker, Mayer: Motion Carried.

Personnel: I would to get rid of the Sergeant position and make it the Patrol Lieutenant. Would like to move Jamerson to this new position with an increase in wage.

Motion by Sillitti second Bratvold, approve this position for Jamerson with a wage increase.

Voting Aye: Sillitti, Bratvold

Voting Nay or Absent: Baker, Mayer,

Policy Manual: Will need the committee to read the following manuals: Department Badges, Victim and witness assistance, transporting persons in custody, fitness of duty, meal period and breaks.

Training: Officer DeCoteau to start online academy and attend Bismarck class training in October.

Calls of Service: 677.

14. Building Permits:

BUILDING PERMITS LIST: APPROVED BY PLANNING & ZONING 9/10/2025

- Judy Black Hawk, 602 West Central Ave. New Garage
- Kathaleen Hall, 705 5th St. new Garage.
- Liz Youngwolf. 203 5th Ave. East, Redo 2-driveway and sidewalk.
- David Gray, 76 1st St. N., adding on to shed 10.5 X 20.
- Curb cut, 613 Eagle Drive: for new driveway at new school housing
- Future Housing, 307 3rd St., fence between trailer, lots: 260,340,350,640,650,660,670.

Motion by Bratvold second Sillitti, approve the building per as presented.

Voting Aye: Bratvold, Sillitti, Standish

Voting Nay or Absent: Baker, Mayer

15. New Tower by 41st Street

The North Dakota Information Technology Department has entered into a contract with Allo Towers of Irvine, California to construct towers for utilization on the Statewide Interoperable Radio Network (SIRN). As part of the contract with the state of North Dakota Allo Towers will be:

Acquiring easements and completing land acquisitions or land leases. Designing, constructing, and maintaining the towers and compounds. The North Dakota Information Technology Department will lease tower and compound space from Allo Towers. The Statewide Interoperable Radio Network will be utilized by emergency responders such as law enforcement, fire, emergency medical, and other emergency responders. After some discussion on this Parrick Samson will reach out to them and see the plans for the placement of this tower. Council did not approve this tower. Need more information.

16. 40th Street: John Degroot:

Degroot is just letting the council know that the county is going to pave this road, and since part of 41st street is now annexed into the city, part of the road is the cities. The county will have some papers for the city to sign, and will pave the road at no charge to the City of New Town.

17. Scott Andersen – Water Plant:

Was taken care of in #9.

Meeting Adjourned: 8:04 PM



Mayor, Jay Standish


*By Paula Giffey
H&B Auditor*



Eileen Zaun, Auditor

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary 

SUBJECT: State Water Supply – Fort Berthold Rural Water
Parshall to White Shield Regionalization - Phase I

DATE: November 25, 2025

Background & Description

Fort Berthold Rural Water is requesting construction cost-share for their Parshall to White Shield Regionalization (Project). The Project is connection of the White Shield Segment of Fort Berthold Rural Water to the Parshall – Lucky Mound water system. The Project will be constructed in two phases. Phase I (current request) is installation of a new booster station and control vault. Phase II (future request) will include approximately 8 miles of water main and two pressure relief valves. Funding in the amount of \$850,000 has been awarded by the United States Bureau of Reclamation toward Phase I costs. The Project is located in Mountrail County.

Supplemental Information

Water Development Plan/Priority	2025/Moderate
New/Future/Current Service Users	0 / 0 / 220
Present Value Cost / User (Preferred Alternative)	\$29,814
Rate / 5,000-Gallons	\$0
Comparable Rate / 5,000-Gallons	\$47.00
Water Source – Lake Sakakawea	

Schedule

Task	Dates
Study	-
Design	Oct. 2025
Bid	Nov. 20, 2025
Construction	Jun. 2026
Completion	Oct. 2026

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$0	\$172,000	\$172,000		
Eligible Costs Phase I	\$56,000	\$1,775,285	\$1,831,285		
Eligible Costs Phase II	\$399,000	\$4,468,658	\$4,867,658		
Total	\$455,000	\$6,415,943	\$6,870,943		
Bureau of Reclamation	\$56,000	\$794,000	\$850,000	Phase I	
Phase I Cost Share	\$0	\$735,964	\$735,964		
Phase II Cost Share	\$299,250	\$3,351,494	\$3,650,744		
Cost-Share 75%	\$299,250	\$4,087,458	\$4,386,708	\$341,250 (6/13/24)	\$693,964

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from Fort Berthold Rural Water for state cost-share participation in the Parshall to White Shield Regionalization project for \$693,964 at 75 percent of eligible costs, not to exceed \$1,035,214. This approval is contingent on available funding.

RH:jsp:ln/2050FOR

1086620 - Parshall to White Shield Regionalization - Phase I Construction

Application Details

Funding Opportunity:	1085949-July 2025 - June 2026 Infrastructure Request
Funding Opportunity Due Date:	Jun 30, 2026 3:00 PM
Program Area:	Funding for Infrastructure in ND - FIND
Status:	Under Review
Stage:	Final Application
Initial Submit Date:	Oct 24, 2025 9:53 AM
Initially Submitted By:	Jared Huibregtse
Last Submit Date:	Oct 29, 2025 4:48 PM
Last Submitted By:	Jared Huibregtse

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Mr. Jack Middle Name Fletcher Salutation First Name Last Name
Title:	
Email*:	jack.fletcher@bartwest.com
Address*:	3456 E Century Ave, Bismarck North Dakota 58503 City State/Province Postal Code/Zip
Phone*:	701-221-8370 Ext. Phone ###-###-####
Fax:	###-###-####
Comments:	

Organization Information

Status*:	Approved
Name*:	Fort Berthold Rural Water
Organization Type*:	Tribal Government
Tax Id:	
Organization Website:	
Address*:	308 4 Bears Complex

New Town North Dakota 58763-____
City State/Province Postal Code/Zip

Phone*: (701) 627-8185 Ext. _____
#####

Fax: ### ### #####

Vendor ID:

PeopleSoft Supplier ID:

Comments:

Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*: Parshall to White Shield Regionalization - Phase I Construction

Sponsor(s)*: Fort Berthold Rural Water

County*: McLean

City*: White Shield

Description of Request*: New

Project Type: Rural Water Supply

If Project is a Study, What Type?: Water Supply

If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?: Missouri River/Lake Sakakawea

Jurisdictions/Stakeholders Involved*:

The primary stakeholders involved in this project include the community of White Shield and the surrounding rural service area, collectively referred to as the White Shield Segment of Fort Berthold Rural Water (FBRW).

Describe the Problem/Need and the Circumstances that Led to This Application*:

The existing water treatment plant that serves the White Shield service area is limited in capacity and is nearing the end of its expected useful life. The water treatment plant will likely need to be replaced within the next 5-10 years. FBRW recently purchased the Parshall Water Treatment Plant.

Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:

This project involves regionalizing the White Shield Segment by connecting it to the Parshall - Lucky Mound water system. The Parshall water treatment plant is located approximately 20 miles northwest of the community of White Shield and has sufficient excess capacity to serve the entirety of the White Shield Segment. Completing this regionalization will eliminate the need to build redundant infrastructure (i.e., a new White Shield water treatment plant). Phase I involves the installation of a new Booster Pump Station and Control Vault

Describe the Objectives or Goals Specific to This Application*:

To continue to serve the White Shield Segment with water, but in the most cost-effective way. Phase I allows for immediate transfer of White Shield onto Parshall water. The upcoming Phase II project will include improvements to allow for additional capacity to address anticipated growth in the area.

Describe the Scope of Work or Project Activities Specific to This Application*:

This project includes installation of a booster station and control valve vault to allow for the regionalization of the White Shield Segment into the Parshall-Lucky Mound water system.

For this project,

Choose City, County, Water District or
Other*:

Other

What is the Current Estimated
Population?*: 1000

For this project,

What is the Benefited Population?*: 1000

Have Assessment Districts Been Formed?*: No

Have Land or Easements Been Acquired?*: Yes

Are There Any Properties with Wells, Drain
Fields, or Holding Tanks Within the Project
Area That Will Benefit from the Project?*: Yes

Are There Any Road Improvements
Included as Part of the Project?*: No

Have You Applied For Any Federal
Permits?*: N/A

Have You Applied for any State Permits?*: N/A

Have You Applied for any Local Permits?*: N/A

Do You Expect Any Obstacles to
Implementation (i.e. Problems with Land
Acquisition, Permits, Funding, Local
Opposition, Environmental Concerns,
etc.)?*: No

Have You Received, or Do You Anticipate
Receiving Federal Funding? Yes

(Example: Hazard Mitigation Grant Program)

*:

Explain the Source, Timing and Amount of
Federal Funds:

Funding has been provided for Phase I of this regionalization project (Booster pump station and control valve vault) by the United States Bureau of Reclamation (BoR) . However, it is currently unclear whether the BoR dollars will cover the entire project. It is FBRW's intent to use BoR dollars first. This application is to request cost-share on any potential remaining costs should the BoR funding support fall short.

Federal Funding Contact: Denise Fischer
First Name Last Name

Federal Funding Contact Number: 701-221-1252

Federal Funding Email: dfischer@usbr.gov

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: N/A

Design Completion*: Complete

Bid*: 11/20/2025

Construction Start*: 6/1/26

Construction Completion*: 10/31/26

Explain Additional Timeline Issues*:

Potential for delay in project due to material availability. The booster station is the primary concern.

Consulting Engineer*: Bartlett & West

Engineer Direct Phone Number*: 701-221-8370

Engineer Email*: jack.fletcher@bartwest.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Authorized Individual*: Joseph Silveria 10/25/2025
First Name Last Name Date

Title/Position/Authority*: Public Works Administrator, Three Affiliated Tribes

Address*: 308 4 Bears Complex
Address Line 1
Address Line 2
New Town North Dakota 58763-0000
City State Zip Code

Direct Phone Number*: 701-627-8185

Sponsor Email*: jsilveria@mhanation.com

Are You Seeking Department of Water Resources Cost-Share?* Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor: Joseph Silveria
First Name Last Name

Authorized Signor Title/Position: Public Works Administrator, Three Affiliated Tribes

Authorized Signor Email: jsilveria@mhanation.com

Authorized Signor Direct Phone Number: 701-627-8185

Provide the Name for One Additional Board Member, if Applicable: First Name Last Name

Additional Board Member Title/Position:

Additional Board Member Email:

Additional Board Member Direct Phone Number:

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*: No

[CLICK HERE](#) to see examples.

Project Specific Map [Project Map_Parshall to WS.pdf](#)
Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community
*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?* No

Are You Seeking Department of Water Resources Cost-Share?* Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: [TBC Meeting Minutes.pdf](#)

Cover Letter: [Parshall-White Shield Regionalization_Cover Letter_Signed.pdf](#)

Are You Seeking Cost-Share for a Main Street Initiative Related Project?: No

[CLICK HERE](#) for SFN 61801 Delineation of Costs Instructions and Current Version.

Delineation of Costs SFN 61801: [sfn_61801_delineation_of_cost_Parshall-White Shield Phase 1 2.xlsx](#)

Type of Request: Construction

Signed Plans and Specifications For Bidding: [Bid Set Plans.pdf](#)

Is This a Water Supply Project?: Yes

[CLICK HERE](#) for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

Life Cycle Cost Analysis: [life_cycle_cost_analysis_worksheet_Parshall-White Shield Phase 1 2.xlsx](#)

[CLICK HERE](#) for SFN 62417 Basic Asset Inventory Tool and Current Version.

Asset Inventory Assessment: [FBRW_Asseet Inventory_Parshall-White Shield_10.23.25.xlsx](#)

Is This a Rural Flood Control Project?: No

Is This a Drain Reconstruction Project?: No

Is This a Flood Recovery Property Acquisition Project?: No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?: No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?: No

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s): Yes

Other Applicable Document: [Signed Resolution.pdf](#)

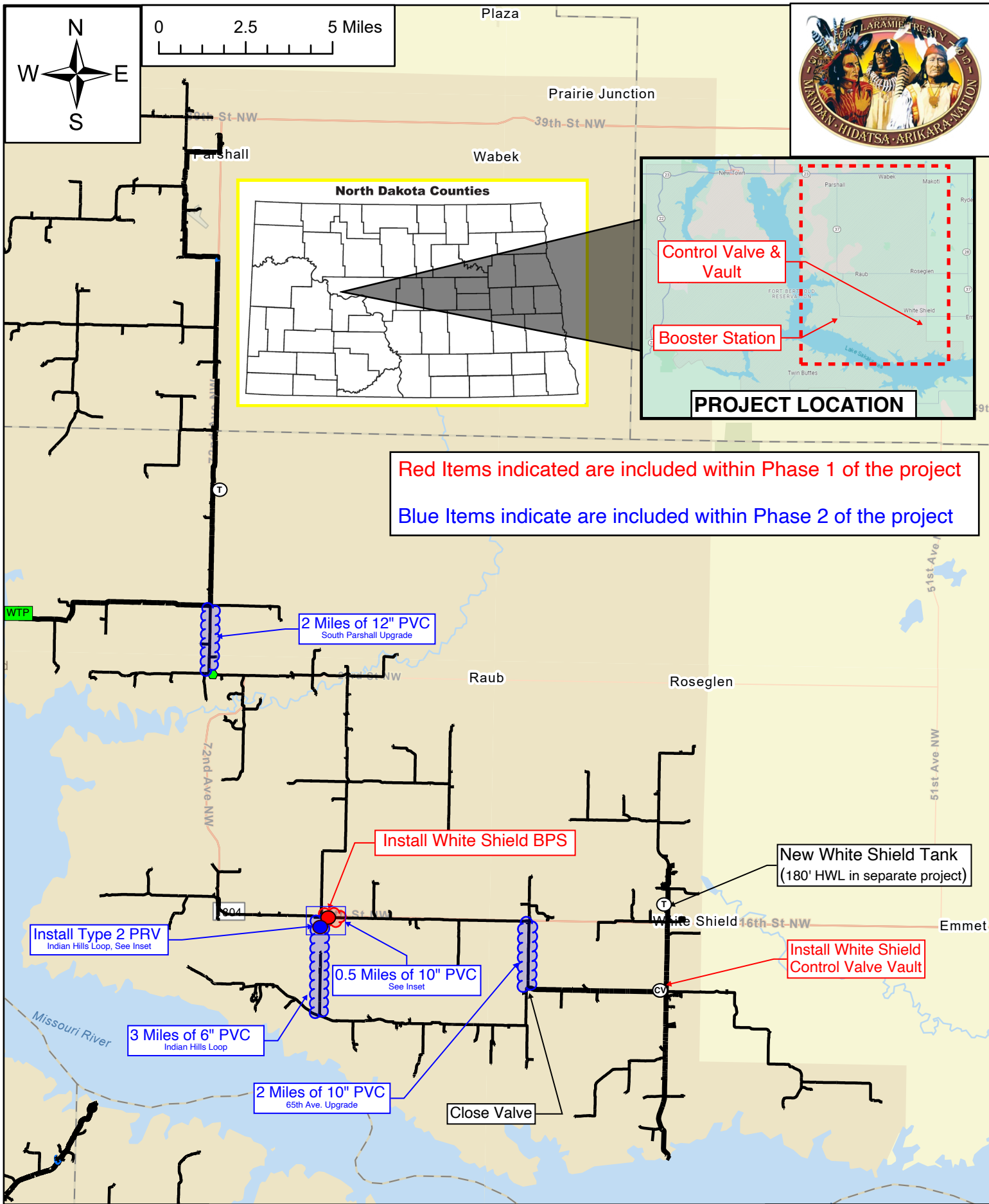
Other Applicable Document: [Bid Set Specs.pdf](#)

Other Applicable Document:

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Cost-Share Already Approved						\$341,250.00			
Other	Three Affiliated Tribes (Local Share)	Already Approved	\$169,000.00	\$0.00	\$0.00	\$169,000.00	Grant	0.00	0.00
Department of Water Resources Cost Share Construction		Current Request	\$507,000.00	\$0.00	\$0.00	\$507,000.00	Grant	0.00	0.00
Not Eligible		Current Request	\$48,510.00	\$0.00	\$0.00	\$48,510.00	Grant	0.00	0.00
Other	US Bureau of Reclamation	Already Approved	\$850,000.00	\$0.00	\$0.00	\$850,000.00	Grant	0.00	0.00
Not Eligible		Future Request	\$0.00	\$123,490.00	\$0.00	\$123,490.00	Grant	0.00	0.00
Department of Water Resources Cost Share Construction		Future Request	\$0.00	\$3,645,793.50	\$0.00	\$3,645,793.50	Grant	0.00	0.00
Other	Three Affiliated Tribes (Local Share)	Future Request	\$0.00	\$1,215,264.50	\$0.00	\$1,215,264.50	Grant	0.00	0.00
			\$1,574,510.00	\$4,984,548.00	\$0.00	\$6,559,058.00			
						\$6,870,943.00			



Red Items indicated are included within Phase 1 of the project

Blue Items indicate are included within Phase 2 of the project



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received :

Project: Parshall to White Shield Regionalization (Booster & Control Vault)
Sponsor: Fort Berthold Rural Water
Contact: Jack Fletcher, P.E., Project Manager
Phone: 701-221-8370
Engineer: Jack Fletcher, Bartlett & West
Phone: 701-221-8370

Total Cost : \$ 6,870,944
Ineligible Cost : \$ 1,022,000
Eligible Cost : \$ 5,848,944
Local Cost : \$ 2,484,236

Date: October 29, 2025

Cost-Share \$
Preconstruction : \$ 299,250
Construction : \$ 4,682,958
Current Request \$ **735,964**

Project Type:

Cost-share %

Rural Water Supply

75%

Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
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Item %
PHASE 1

Construction Costs

1	0.0%	Mobilization	0	LS	2,000.00	\$ -	75%	\$ -
2	0.0%	Bonding	0	LS	1,000.00	\$ -	75%	\$ -
3	0.0%	Insurance	0	LS	1,000.00	\$ -	75%	\$ -
4	0.0%	Pump Station	0	LS	900,000.00	\$ -	75%	\$ -
4	0.0%	Vault - Control Valve	0	LS	350,000.00	\$ -	75%	\$ -
4	25.5%	Pump Station & Control Vault - Base Bid	1	LS	1,443,137.00	\$ 1,443,137	75%	\$ 1,082,353
5	1.7%	Generator - Alternative 1	1	LS	94,395.00	\$ 94,395	75%	\$ 70,796
6	27.2%	Phase I Total	0		-	\$ 1,537,532	75%	\$ 1,153,149
PHASE 2					Phase I plus 10% contingency	\$ 1,691,285		\$ 1,034,550
7	19.1%	Water Main 12 in	10560	LF	102.53	\$ 1,082,717	75%	\$ 812,038
8	13.1%	Water Main 10 in	10560	LF	70.00	\$ 739,200	75%	\$ 554,400
9	3.5%	Water Main 10 in	2640	LF	75.00	\$ 198,000	75%	\$ 148,500
10	12.7%	Water Main 6 in	16000	LF	45.00	\$ 720,000	75%	\$ 540,000
11	0.5%	Water Main 6 in	600	LF	45.00	\$ 27,000	75%	\$ 20,250
12	3.5%	Pressure Relief Valve	1	LS	200,000.00	\$ 200,000	75%	\$ 150,000
13	11.2%	Pipeline Appurtenances	1	LS	635,500.00	\$ 635,500	75%	\$ 476,625
14	63.7%	Phase II Total				\$ 3,602,417	75%	\$ 2,701,813
15	0.0%					\$ -	75%	\$ -
16	0.0%					\$ -	75%	\$ -
17	0.0%		0		-	\$ -	75%	\$ -
18	0.0%		0		-	\$ -	75%	\$ -
19	0.0%		0		-	\$ -	75%	\$ -
20	0.0%		0		-	\$ -	75%	\$ -
21	0.0%		0		-	\$ -	75%	\$ -
22	0.0%		0		-	\$ -	75%	\$ -
23	0.0%		0		-	\$ -	75%	\$ -
24	0.0%		0		-	\$ -	75%	\$ -
25	0.0%		0		-	\$ -	75%	\$ -
26	0.0%		0		-	\$ -	75%	\$ -
		Construction Sub-Total				\$ 5,139,949	75%	\$ 3,854,962
	10.0%	Contingency				\$ 513,995	75%	\$ 385,496
	82.3%	Construction Total				\$ 5,653,944	75%	\$ 4,240,458

Preconstruction Costs

27	2.8%	Preliminary Design	1	LS	160,000.00	\$ 160,000	75%	\$ 120,000
28	5.2%	Final Design	1	LS	295,000.00	\$ 295,000	75%	\$ 221,250
29	0.0%	Bidding / Negotiations	0	LS	-	\$ -	75%	\$ -
30	0.0%	Phase I PC using BOR Funding	1	LS	(56,000.00)	\$ 56,000	75%	-\$ 42,000
	0.0%	Phase I \$56,000, Phase II \$399,000	0			\$ -	75%	\$ -
	5.8%	Preconstruction Total				\$ 399,000	75%	\$ 299,250

Construction Engineering Costs

31	5.2%	Construction Contract Management	1	LS	295,000.00	\$ 295,000	75%	\$ 221,250
32	5.2%	Project Inspection	1	LS	295,000.00	\$ 295,000	75%	\$ 221,250
	0.0%	Phase I \$84,000, Phase II \$506,000	0			\$ -	75%	\$ -
	8.6%	Construction Engineering Total				\$ 590,000	75%	\$ 442,500
					Phase I \$	\$ 84,000		\$ 63,000

Other Eligible Costs

33	0.0%		0		\$ -	75%	\$ -
34	0.0%		0		\$ -	75%	\$ -
35	0.0%		0		\$ -	75%	\$ -
36	0.0%		0		\$ -	75%	\$ -
37	0.0%		0		\$ -	75%	\$ -
	0.0%	Other Eligible Total			\$ -	75%	\$ -

In-eligible Costs

38	2.5%	TERO & EPA Tax	1	LS	172,000.00	\$ 172,000	0%	\$ -
39	0.8%	Phase IPC using BOR Funding	1	LS	56,000.00	\$ 56,000	0%	\$ -
40	0.0%		0		-	\$ -	0%	\$ -
41	0.0%		0		-	\$ -	0%	\$ -
	3.3%	Other Ineligible Total				\$ 228,000	0%	\$ -

100.0%

Total	\$ 6,870,944		
Eligible Total	\$ 6,642,944	75%	\$ 4,982,208
Phase I Construction Total	\$ 1,775,285		

Federal or State Funds That Supplant Costs- Bureau of Reclamation Phase I	\$ 794,000		
Eligible Cost Total	\$ 5,848,944	75%	\$ 4,386,708
Phase I Eligible after Federal Funding	\$ 981,285	Current Request \$	735,964

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor: Fort Berthold Rural Water
Project Title: Parshall to White Shield Regionalization - Construcion **Date:** October 31, 2025

Explanation of Alternatives:

480 GPM Transmission to White Shield (Preferred) - This alternative adds the planned White Shield Casino Phase 2 flows to the 250 GPM alternative below to achieve a combined flow rate of 480 GPM from the Parshall Service Area (SA) into the White Shield SA.

Gravity Flow with System Improvements - The primary option transfers water from the Parshall service area to the White Shield SA by gravity flow at peak conditions (Note: This gravity flow will come from the new White Shield Elevated Tank, which is a separate project). The existing system will also be upgraded to maximize the amount of water that can be transferred to the White Shield SA. The upgrades consist of parallel 12", 10" and 6" pipelines, a new control valve vault, and a new Type 2 Pressure Relief Valve. This option maximizes transmission flow rate from the Parshall SA to the White Shield SA. There will be no additional pumping costs required for this scenario.

250 GPM Transmission to White Shield - This alternative would transfer water from the Parshall SA to the White Shield SA by gravity flow when the new White Shield Elevated tank is completed. Several addition upgrades are required to meet a transmission flow of 250 GPM at peak conditions, which is the projected transmission flow requirement for the year 2050 based on Fort Berthold Rural Water's Master Plan. The required improvements include: A new control vault, parallel pipelines of 12", 10", and 6", a Type 2 PRV, and a new booster pump station.

350 GPM Transmission to White Shield - This alternative includes the 250 GPM alternative flows and adds the flows necessary for the Planned White Shield Casino Phase 1, which would require an estimated total of 350 GPM from the Parshall SA into the White Shield SA.

Inputs:

New Connections Served	0	Current CIF Balance	\$0
Future Connections Served	0	Annual CIF Contribution	\$0
Current Connections Served	220	Cash Funding Target (Percentage %) New Assets	25%
Net Connections (New + Current)	220	Cash Funding Target (Percentage %) Existing Assets	50%
		Annual CIF Contribution suggested for the Project	\$30,640

	480 GPM Transmission to White Shield	Gravity Flow with System Improvements	250 GPM Transmission to White Shield	350 GPM Transmission to White Shield
Construction Cost	\$6,559,000	\$4,978,500	\$6,044,900	\$6,112,600
Annual O & M	\$20,000	\$1,000	\$1,000	\$20,000

Details:

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LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

Present Value	480 GPM Transmission to White Shield	Gravity Flow with System Improvements	250 GPM Transmission to White Shield	350 GPM Transmission to White Shield
Capital Costs	\$6,559,000	\$4,979,000	\$6,045,000	\$6,113,000
O&M	\$534,000	\$25,000	\$25,000	\$534,000
Repair, Rehab, Replacement	\$2,710,000	\$797,000	\$2,497,000	\$2,603,000
Salvage Value	\$134,000	\$134,000	\$134,000	\$134,000
Total PVC	\$9,669,000	\$5,667,000	\$8,433,000	\$9,116,000
PV Cost Per User	\$43,950	\$25,759	\$38,332	\$41,436

Current Water Rate (Cost Per 5000g)	\$0			
Comparable Water Rate	\$78			
Net Connections (New + Current)	220	220	220	220
Cost-Share Percent	75%	75%	75%	75%
Local Share	\$1,427,250	\$1,244,750	\$1,511,250	\$1,528,250
BOR Other Funding	\$850,000	\$850,000	\$850,000	\$850,000
Total Local	\$1,427,250	\$1,244,750	\$1,511,250	\$1,528,250
Payment Per User With Cost-Share	\$32.82	\$28.62	\$34.75	\$35.14
Local Share	\$5,709,000	\$4,129,000	\$5,195,000	\$5,263,000
BOR Other Funding	\$850,000	\$850,000	\$850,000	\$850,000
Total Local	\$4,859,000	\$3,279,000	\$4,345,000	\$4,413,000
Payment Per User Without Cost-Share	\$111.73	\$75.40	\$99.91	\$101.48

Explanation of Results:

The sponsor preferred project is the "480 GPM Transmission to White Shield" option. The present value cost of the preferred alternative is \$9,669,000 and \$5,667,000 for the "Gravity Flow with System Improvements" alternative for comparison. The capital expenditure cost for the preferred alternative is \$6,559,000 and \$4,979,000 for the comparable alternative. The present value cost per user for the preferred alternative is \$43,950. The monthly user cost of the local share with DWR 75% cost-share participation is \$32.82 per month and \$111.73 without DWR participation.



Fort Berthold Rural Water

Three Affiliated Tribes • 308 4 Bears Complex New Town, ND 58763

Phone: 701-627-8185 • Fax: 701-627-4303

October 24, 2024

North Dakota Department of Water Resources
C/O Julie Prescott
1200 Memorial HWY
Bismarck, ND 58504

SUBJECT: Acknowledgement of Cost-Share Request

Dear Director Haase and Members of the Commission:

Fort Berthold Rural Water (FBRW) hereby acknowledges that a request for State Water Commission Cost-Share for the Parshall to White Shield Regionalization – Phase I Construction is an authorized request. FBRW and its engineering consultant, Bartlett & West, are working collaboratively on the request and other documents required by the Department and/or the Commission.

A Tribal Resolution (Resolution No. 24-063-FWF) signed by the Tribal Chairman, and Tribal Business Council meeting minutes are also enclosed.

If there are any questions or concerns, please do not hesitate to contact me.

Respectfully,

Date: 10/24/2025


Joseph Silveria, MHA Nation Public Works Administrator



seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye
Councilwoman Sherry Turner-Lone Fight – Aye
Councilman Robert White – Aye

4) CDC National Center for Chronic Disease Prevention and Health

Motion: Councilman Fred Fox moved to approve resolution no. 24-061-FWF entitled “*CDC National Center for Chronic Disease Prevention and Health*” Councilman Mervin Packineau seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye
Councilwoman Sherry Turner-Lone Fight – Aye
Councilman Robert White – Aye

5) ND DHHS Behavioral Health Division for Suicide Prevention

Motion: Councilwoman Sherry Turner-Lone Fight moved to approve resolution no. 24-062-FWF entitled “*Suicide Prevention Community Programming Funding Opportunity*” Solicitation Number: 325-24-810-010” subject to Legal review. Councilman Mervin Packineau seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye
Councilwoman Sherry Turner-Lone Fight – Aye
Councilman Robert White – Aye

6) Public Works - Authorizing FBRW to Apply to the State Water Commission



for Cost Share Funding for the Parshall to White Shield Pipeline Project.

Motion: Councilman Robert White moved to approve resolution no. 24-063-FWF entitled “*Authorizing Fort Berthold Rural Water to Apply for State Water Commission Funding for the Parshall to White Shield Regionalization project.*” Councilwoman Sherry Turner-Lone Fight seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye
Councilwoman Sherry Turner-Lone Fight – Aye
Councilman Robert White – Aye

7) Public Works - Award of New White Shield Tank

Motion: Councilman Robert White moved to approve resolution no. 24-064-FWF entitled “*Public Works - Award of New White Shield Tank*” subject to Legal review. Councilwoman Sherry Turner-Lone Fight seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye
Councilwoman Sherry Turner-Lone Fight – Aye
Councilman Robert White – Aye

8) Public Works - Award the 2nd Twin Buttes Tank

Motion: Councilman Robert White moved to approve resolution no. 24-065-FWF entitled “*Public Works - Award the 2nd Twin Buttes Tank*” Councilman Cory Spotted Bear seconded the motion.

Vote: 7- Ayes. Motion carried.

Chairman Mark N. Fox – Aye
Councilman Cory Spotted Bear – Aye
Councilman Fred Fox – Aye
Councilman Mervin Packineau – Aye
Councilwoman Monica Mayer – Aye



Resolution No. 24-063-FWF

RESOLUTION OF THE GOVERNING BODY OF THE THREE AFFILIATED TRIBES OF THE FORT BERTHOLD INDIAN RESERVATION

A Resolution Entitled, “Authorizing Fort Berthold Rural Water to Apply for State Water Commission Funding for the Parshall to White Shield Regionalization project.”

- WHEREAS,** The Mandan Hidatsa and Arikara Nation (MHA Nation), also known as the Three Affiliated Tribes, having accepted the Indian Reorganization Act of June 18, 1934, the authority under said Act, and having adopted a Constitution and By-laws (the Constitution) under said Act, and
- WHEREAS,** Pursuant to Article III, Section 1 of the Constitution, the Tribal Business Council is the governing body of the MHA Nation; and
- WHEREAS,** The Constitution authorizes and empowers the Tribal Business Council to engage in activities on behalf of and in the interest of the welfare and benefit of the MHA Nation and of the enrolled members thereof; and
- WHEREAS,** Pursuant to Article VI, Section 5(1) of the Constitution, the Tribal Business Council has the power to adopt resolutions regulating the procedures of the Tribal Business Council, its agencies and officials; and
- WHEREAS,** Article VI, Section 5(c) of the Constitution specifically authorizes and empowers the Tribal Business Council to administer funds within the exclusive control of the Nation and to make expenditures from available Tribal funds for public purposes for the Nation; and
- WHEREAS,** The MHA Nation constructs, operates, maintains, and replaces (OM&R) the Fort Berthold Rural Water Supply (FBRWS) system under Indian Self-determination and Education Assistance Act contracts in order to provide safe drinking water throughout the Fort Berthold Indian Reservation (Reservation); and
- WHEREAS,** The Tribal Council has previously adopted resolutions to provide the necessary funding to complete the needed upgrades to provide water from the Parshall-Lucky Mound Water System to the White Shield Water System; and
- WHEREAS,** The total anticipated costs to MHA Nation to complete the projects is estimated to be \$5,710,000; and
- WHEREAS,** The North Dakota Legislature, having passed House Bill 1385, made “Federally Recognized Indian Tribes or any agency, department, or officer thereof,” eligible to apply for cost-share assistance through a contract with the State Water Commission.



NOW, THEREFORE, BE IT RESOLVED, That the Tribal Business Council hereby authorizes Fort Berthold Rural Water, on behalf of MHA Nation, to pursue State Water Commission (SWC) cost-share grants for the Parshall to White Shield Regionalization project in an effort to reduce the tribal funds required to build said project:

- **Parshall to White Shield Regionalization Project Estimated Cost - \$5,710,000.00**
 - Potential SWC Cost-Share (75%) – Up to \$4,282,500

BE IT FURTHER RESOLVED, That the MHA Nation shall continue to pursue all available state and federal funding to support the project and/or reimbursement of the actual tribal funding expended.

BE IT FINALLY RESOLVED, That the Chairman is hereby authorized to execute such documents and take such further actions as are necessary to carry out the terms and intent of this Resolution.

C E R T I F I C A T I O N

I, the undersigned, as Secretary of the Tribal Business Council of the Three Affiliated Tribes of the Fort Berthold Indian Reservation, hereby certify that the Tribal Business Council is composed of seven (7) members of whom five (5) constitute a quorum, 7 were present at a Regular Meeting thereof duly called, noticed, convened and held on the 7th day of March, 2024, that the foregoing Resolution was duly adopted at such meeting by the affirmative vote of 7 members, 0 members opposed, 0 members abstained, 0 members not voting, and that said Resolution has not been rescinded or amended in any way.

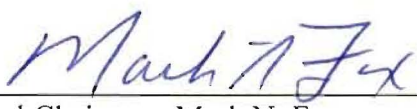
Chairman [X] Voting. [] Not Voting.

Dated this 7th day of March, 2024.

ATTEST:



Tribal Secretary, Fred W. Fox
Tribal Business Council
Three Affiliated Tribes



Tribal Chairman, Mark N. Fox
Tribal Business Council
Three Affiliated Tribes

N O R T H
Dakota | Water Resources
Be Legendary.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: State Water Supply – City of Valley City
Northwest Standpipe Replacement

DATE: November 25, 2025



Background & Description

Valley City is requesting construction cost-share for their Northwest Standpipe Replacement (Project). The Project is replacement of an aging 250,000-gallon elevated storage tank and an aging and inefficient 550,000-gallon standpipe with one new 250,000-gallon elevated tower. The Project is intended to eliminate mixing and freezing issues and will improve system pressures in the northwest area of Valley City. Upon completion of the Project, the City's total storage capacity will be 1,150,000 gallons. Peak daily demand is 1,351,000 gallons. The Project is located in Barnes County.

Supplemental Information

Water Development Plan / Priority	2025/Low
New / Future / Current Service Users	0 / 0 / 250
Present Value Cost / User (Preferred Alternative)	\$20,748
Rate / 5,000-Gallons	\$48
Comparable Rate / 5,000-Gallons	\$48
Water Source – Sheyenne River, Valley City	

Schedule

Task	Dates
Study	Apr. 2024
Design	Sept. 2025
Bid	Oct. 2025
Construction	Spring 2026
Completion	Aug. 2027

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Cost	\$0	\$0	\$0		
Eligible Cost	\$350,000	\$4,198,690	\$4,548,690		
Total	\$350,000	\$4,198,690	\$4,548,690		
Cost Share 60%	\$210,000	\$2,519,214	\$2,729,214	\$210,000 (12/13/24)	\$2,519,214

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from the City of Valley City for state cost-share participation in the Northwest Standpipe Replacement project in the amount of \$2,519,214, or 60 percent of eligible costs, with total cost-share not to exceed \$2,729,214. This approval is contingent on available funding.

RH:jspln/2050VAL

1086639 - Northwest Standpipe Replacement Project

Application Details

Funding Opportunity:	1085949-July 2025 - June 2026 Infrastructure Request
Funding Opportunity Due Date:	Jun 30, 2026 3:00 PM
Program Area:	Funding for Infrastructure in ND - FIND
Status:	Under Review
Stage:	Final Application
Initial Submit Date:	Oct 28, 2025 3:53 PM
Initially Submitted By:	Brenda Klein
Last Submit Date:	Oct 30, 2025 11:19 AM
Last Submitted By:	Brenda Klein

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Ms. Brenda Rene Klein <small>Salutation First Name Middle Name Last Name</small>
Title:	Finance Director
Email*:	bklein@valleycity.us
Address*:	254 2nd Ave NE Valley City North Dakota 58072 <small>City State/Province Postal Code/Zip</small>
Phone*:	(701) 845-8124 Ext. <small>Phone</small> ###-###-####
Fax:	(701) 845-4588 <small>###-###-####</small>
Comments:	

Organization Information

Status*:	Approved
Name*:	City of Valley City
Organization Type*:	Municipal Government
Tax Id:	45-6002171
Organization Website:	https://www.valleycity.us
Address*:	PO Box 390

254 2nd Ave NE

Valley City North Dakota 58072-0390
City State/Province Postal Code/Zip

Phone*:

701-845-8121 Ext.
####

Fax:

####

Vendor ID:

PeopleSoft Supplier ID:

Comments:

Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*:

Northwest Standpipe Replacement Project

Sponsor(s)*:

City of Valley City

County*:

Barnes

City*:

Valley City

Description of Request*:

Updated (previously submitted)

Project Type:

Stormwater

If Project is a Study, What Type?:

**If Project is Rural Water Supply or
Municipal Water Supply, What is the Name
of the Water Supply Source?:**

Sheyenne River

Jurisdictions/Stakeholders Involved*:

City of Valley City

**Describe the Problem/Need and the
Circumstances that Led to This
Application*:**

The current Pressure Zone 6 served by the Northwest Standpipe has grown since its construction, reducing pressures across its service area and resulting in a lack of capacity. Existing water pressures do not meet current 10 State Standard guidelines. Growth is anticipated in the next 2-5 years increasing water demand. Additionally, Pressure Zone 7 contains an elevated spheroid steel tower constructed in the mid-1960s in need of repair.

**Describe the Proposed or Chosen
Solution(s) to Address the Problem/Need*:**

A Preliminary Engineering Report was completed in April 2024. Alternatives were considered to increase capacity and pressures in Pressure Zone 6 while also evaluating alternatives for the deficiencies in Pressure Zone 7. The Valley City Commission selected the alternative to remove the standpipe in Pressure Zone 6, replacing it with a 250,000-gallon elevated water tower while also making modifications to Pressure Zone 7. In addition, the Commission also elected to remove the NW spheroid tower in Pressure Zone 7 and connect Pressure Zone 7 to Pressure Zone 6 with additional pressure modifications, eliminating the need for one tower in the City.

**Describe the Objectives or Goals Specific to
This Application*:**

The proposed project will address capacity and pressure deficiencies in Pressure Zone 6 and Zone 7. The proposed project will address these needs while also addressing future growth demands in the area.

**Describe the Scope of Work or Project
Activities Specific to This Application*:**

The proposed project will include the construction of a new 250 k Gal elevated water tower and construction/modification of pressure reducing valves. Aging/deteriorating water storage tanks will be removed reducing the number of structures the City will need to maintain.

For this project,

Choose City, County, Water District or
Other*: City

What is the Current Estimated
Population?*: 6575

For this project,

What is the Benefited Population?*: 6575

Have Assessment Districts Been Formed?*: No

Have Land or Easements Been Acquired?*: No

Are There Any Properties with Wells, Drain
Fields, or Holding Tanks Within the Project
Area That Will Benefit from the Project?*: No

Are There Any Road Improvements
Included as Part of the Project?*: No

Have You Applied For Any Federal
Permits?*: No

Have You Applied for any State Permits?*: No

Have You Applied for any Local Permits?*: No

Do You Expect Any Obstacles to
Implementation (i.e. Problems with Land
Acquisition, Permits, Funding, Local
Opposition, Environmental Concerns,
etc.)?*: No

Have You Received, or Do You Anticipate
Receiving Federal Funding? No

(Example: Hazard Mitigation Grant Program)

*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: 04/2024

Design Completion*: 09/2025

Bid*: 10/2025

Construction Start*: Spring 2026

Construction Completion*: 08/2027

Explain Additional Timeline Issues*:

None

Consulting Engineer*: Chad Petersen

Engineer Direct Phone Number*: 701-845-9446

Engineer Email*: chad.petersen@kljeng.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:

Yes

Authorized Individual*:

Brenda Klein 10/28/2025
First Name Last Name Date

Title/Position/Authority*:

City Finance Director

Address*:

220 3rd St NE
Address Line 1
Address Line 2
Valley City North Dakota 58072-____
City State Zip Code

Direct Phone Number*:

701-845-8124

Sponsor Email*:

bklein@valleycity.us

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:

Gwen Crawford
First Name Last Name

Authorized Signor Title/Position:

City Administrator

Authorized Signor Email:

gcrawford@valleycity.us

Authorized Signor Direct Phone Number:

701-845-8120

Provide the Name for One Additional Board Member, if Applicable:

Dave Carlsrud
First Name Last Name

Additional Board Member Title/Position:

President

Additional Board Member Email:

dcarlsrud@valleycity.us

Additional Board Member Direct Phone Number:

701-845-1700

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:

No

[CLICK HERE](#) to see examples.

Project Specific Map

[Location_Map_VC_Standpipe_Construction.pdf](#)

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?* No

Are You Seeking Department of Water Resources Cost-Share?* Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: [10.21.2025City_Commission_Minutes.pdf](#)

Cover Letter: [Cost-Share_Request_Letter.pdf](#)

Are You Seeking Cost-Share for a Main Street Initiative Related Project?: No

[CLICK HERE](#) for SFN 61801 Delineation of Costs Instructions and Current Version.

Delineation of Costs SFN 61801: [sfn_61801_delineation_of_cost_VC_Standpipe_Construction.xlsx](#)

Type of Request: Construction

Signed Plans and Specifications For Bidding: [24611 Bidding Project Manual_20250922_All_Addenda.pdf](#)

Is This a Water Supply Project?: Yes

[CLICK HERE](#) for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

Life Cycle Cost Analysis: [life_cycle_cost_analysis_worksheet_VC_Standpipe_Construction.xlsx](#)

[CLICK HERE](#) for SFN 62417 Basic Asset Inventory Tool and Current Version.

Asset Inventory Assessment: [ValleyCity20251028.xlsx](#)

Is This a Rural Flood Control Project?: No

Is This a Drain Reconstruction Project?: No

Is This a Flood Recovery Property Acquisition Project?: No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?: No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?: Yes

Feasibility/Engineering Study Material: [22978_ValleyCityWaterSystemReport_Final_Complete_20240410.pdf](#)

Photos of Problem/Issue:

GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s): Yes

Other Applicable Document: [Bid_Tab_VC_Standpipe_Construction.pdf](#)

Other Applicable Document:

Other Applicable Document:

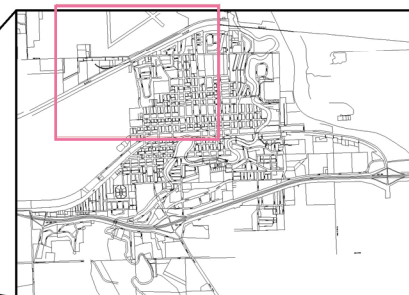
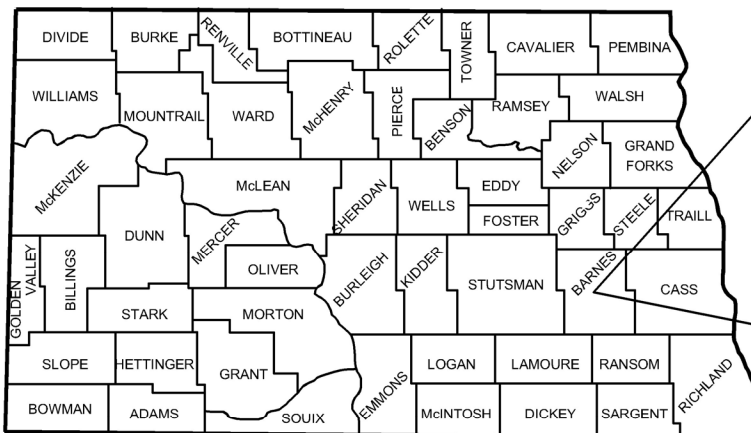
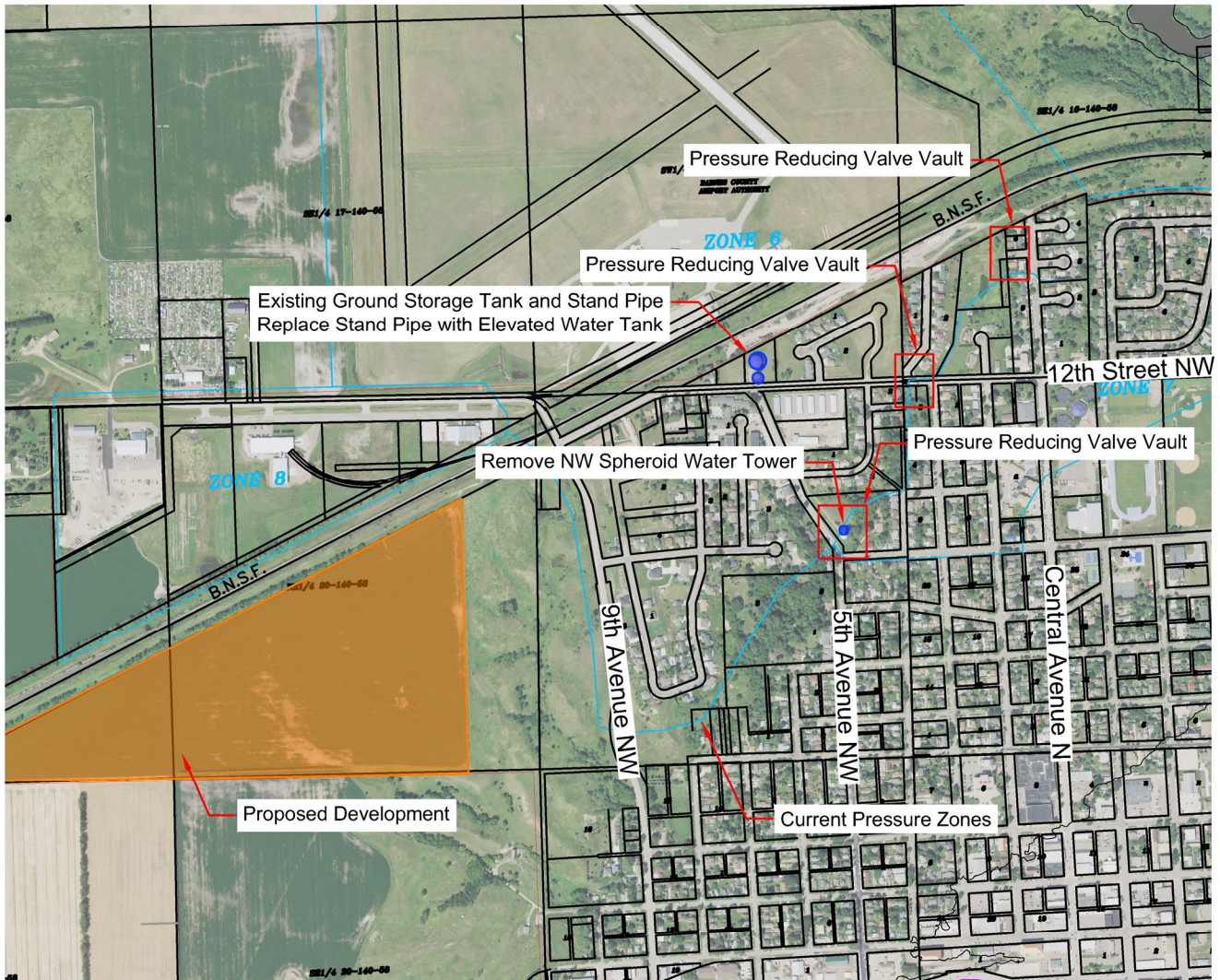
Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Department of Water Resources Cost Share Pre-Construction		Already Approved	\$210,000.00	\$0.00	\$0.00	\$210,000.00	Grant	0.00	0.00
Department of Water Resources Cost Share Construction		Current Request	\$2,519,214.00	\$0.00	\$0.00	\$2,519,214.00	Grant	0.00	0.00
Drinking Water State Revolving Fund		Future Request	\$1,500,000.00	\$0.00	\$0.00	\$1,500,000.00	Loan	30.00	2.00
Other	City of Valley City		\$319,477.00	\$0.00	\$0.00	\$319,477.00		0.00	0.00
			\$4,548,691.00	\$0.00	\$0.00	\$4,548,691.00			

Northwest Standpipe Replacement Project

City of Valley City, North Dakota

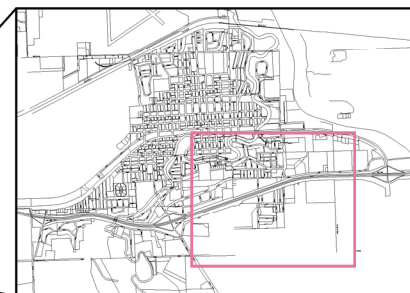
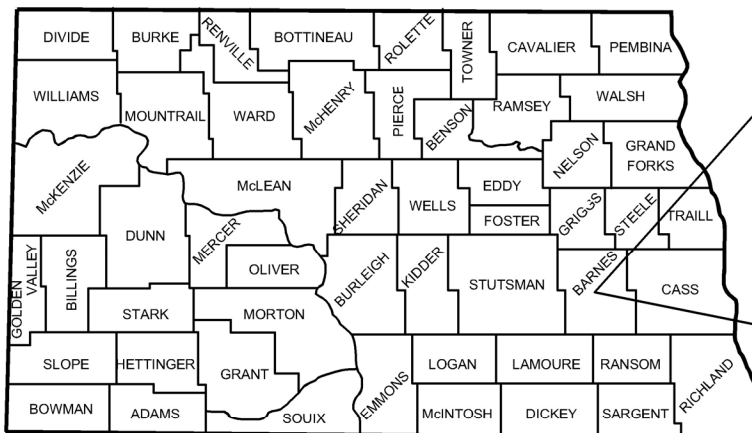
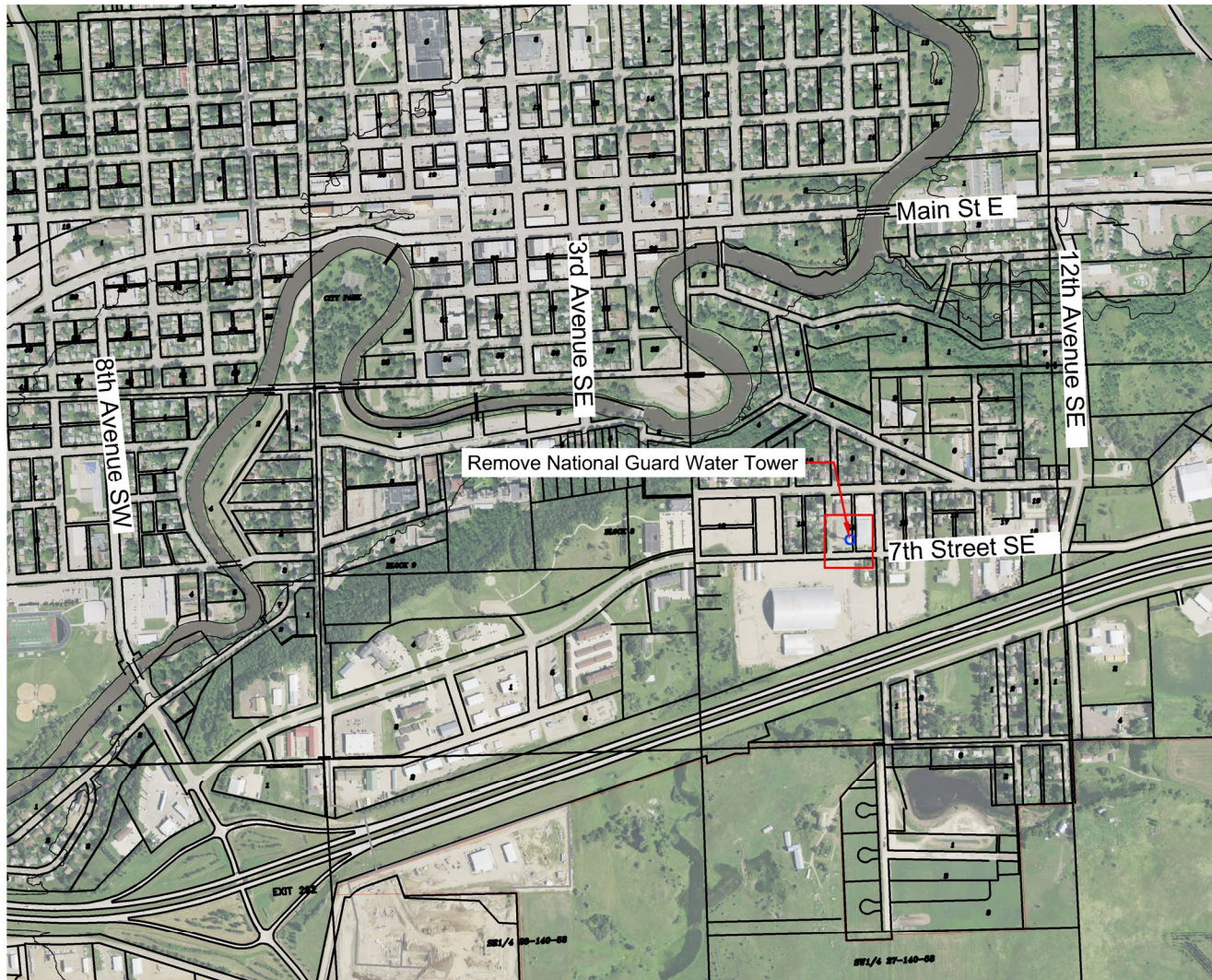


Valley City, ND



Northwest Standpipe Replacement Project

City of Valley City, North Dakota



Valley City, ND





DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received :

Project: Northwest Standpipe Replacement Project
Sponsor: City of Valley City
Contact: Gwen Crawford, City Administrator
Phone: 701_845_8120
Engineer: Chad Petersen, KLJ Engineering LLC
Phone: 701_845_9446

Total Cost : \$ 4,548,691
Ineligible Cost : \$ -
Eligible Cost : \$ 4,548,691
Local Cost : \$ 1,819,477

Date: October 27, 2025

Cost-Share \$
\$ 2,729,214
Preconstruction : \$ 210,000
Construction : \$ 2,519,214

Project Type:

Cost-share %

Municipal Water Supply

60%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	3.4%	Mobilization	1	LS	135,000.00	\$ 135,000	60%	\$ 81,000
2	0.0%	Bonding	0		-	\$ -	60%	\$ -
3	0.0%	Insurance	0		-	\$ -	60%	\$ -
4	57.7%	New Water Tower & Foundation	1	LS	2,308,300.00	\$ 2,308,300	60%	\$ 1,384,980
5	2.5%	Water Standpipe Tank - Removal	1	LS	100,000.00	\$ 100,000	60%	\$ 60,000
6	4.1%	Remove Existing Water Tower & Site Re	1	LS	165,000.00	\$ 165,000	60%	\$ 99,000
7	2.5%	NW Tower Zone 7 - Demolition & Remov	1	LS	100,000.00	\$ 100,000	60%	\$ 60,000
8	2.6%	NW Water Tower Site - New PRV Station	1	LS	105,000.00	\$ 105,000	60%	\$ 63,000
9	0.5%	PRV Manhole Modifications	3	LS	6,880.00	\$ 20,640	60%	\$ 12,384
10	0.7%	PRV Manhole Modifications - 12th St Sit	1	LS	30,000.00	\$ 30,000	60%	\$ 18,000
11	0.4%	Traffic Control	1	LS	16,000.00	\$ 16,000	60%	\$ 9,600
12	1.1%	Seeding/Stormwater Management	1	LS	44,300.00	\$ 44,300	60%	\$ 26,580
13	3.7%	Water Tower- Water Main, Hydrant, Val	1	LS	148,900.00	\$ 148,900	60%	\$ 89,340
14	0.4%	PRV - Misc. Removals	1	LS	17,010.00	\$ 17,010	60%	\$ 10,206
15	2.6%	PRV- Misc. Water Main & Fittings	1	LS	103,040.00	\$ 103,040	60%	\$ 61,824
16	0.9%	PRV - Service Lines	1	LS	34,475.00	\$ 34,475	60%	\$ 20,685
17	1.4%	Site Work - Water Tower	1	LS	56,000.00	\$ 56,000	60%	\$ 33,600
18	1.4%	Site Work - PRV	1	LS	56,289.00	\$ 56,289	60%	\$ 33,773
19	0.4%	Testing Allowance - Water Tower	1	LS	15,000.00	\$ 15,000	60%	\$ 9,000
20	0.1%	Testing Allowance - PRV	1	LS	5,000.00	\$ 5,000	60%	\$ 3,000
21	2.0%	Electrical - New Water Tower Site	1	LS	82,011.00	\$ 82,011	60%	\$ 49,207
22	1.4%	Electrical - NW Water Tower Site	1	LS	54,890.00	\$ 54,890	60%	\$ 32,934
23	1.0%	Telemetry and Programming Allowance	1	LS	40,000.00	\$ 40,000	60%	\$ 24,000
24	0.0%		0		-	\$ -	60%	\$ -
25	0.0%		0		-	\$ -	60%	\$ -
26	0.0%		0		-	\$ -	60%	\$ -
		Construction Sub-Total				\$ 3,636,855	60%	\$ 2,182,113
		Contingency				\$ 363,686	60%	\$ 218,211
	87.9%	Construction Total				\$ 4,000,541	60%	\$ 2,400,324
Preconstruction Costs								
27	8.7%	Final Design	1	NA	350,000.00	\$ 350,000	60%	\$ 210,000
28	0.0%				\$ -	\$ -	60%	\$ -
29	0.0%		0		-	\$ -	60%	\$ -
30	0.0%		0		-	\$ -	60%	\$ -
31	0.0%		0		-	\$ -	60%	\$ -
	7.7%	Preconstruction Total				\$ 350,000	60%	\$ 210,000
Construction Engineering Costs								
32	5.0%	Construction Contract Management	1	NA	198,150.00	\$ 198,150	60%	\$ 118,890
33	0.0%		0		-	\$ -	60%	\$ -
34	0.0%		0		-	\$ -	60%	\$ -
35	0.0%		0		-	\$ -	60%	\$ -
36	0.0%		0		-	\$ -	60%	\$ -
	4.4%	Construction Engineering Total				\$ 198,150	60%	\$ 118,890
Other Eligible Costs								
37	0.0%		0		-	\$ -	60%	\$ -
38	0.0%		0		-	\$ -	60%	\$ -
39	0.0%		0		-	\$ -	60%	\$ -
40	0.0%		0		-	\$ -	60%	\$ -
41	0.0%		0		-	\$ -	60%	\$ -
	0.0%	Other Eligible Total				\$ -	60%	\$ -
In-eligible Costs								
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 4,548,691		
		Eligible Total				\$ 4,548,691	60%	\$ 2,729,214
Federal or State Funds That Supplant Costs								
		Federal or State Funds That Supplant Costs				\$ -		
		Eligible Cost Total				\$ 4,548,691	60%	\$ 2,729,214

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor: City of Valley City
Project Title: Northwest Standpipe Replacement Project
Date: November 4, 2025

Explanation of Alternatives:

Replace Elevated Water Tower - New Water Tower and Pressure Zone Modifications
 Do Nothing - The City would not make any improvements to the existing standpipe. An existing leak in the standpipe foundation would continue at an estimate rate of approximately 5 gallons/minute. Residents in Pressure Zone 6 would continue to have pressures below 10 State Standard guidelines and the city would not be able to meet growth demands anticipated for the area in the next 2-5 years. The standpipe is at the end of its useful life and the leaking seals cause on-going maintenance and is time-consuming to fix. Additionally, the Northwest Water Tower would only continue to have normal maintenance with no major improvements and continue to deteriorate.

Inputs:

New Connections Served	0	Current CIF Balance	\$158,000
Future Connections Served	0	Annual CIF Contribution	\$1,665,000
Current Connections Served	250	Cash Funding Target (Percentage %) New Assets	0%
Net Connections (New + Current)	250	Cash Funding Target (Percentage %) Existing Assets	0%
		Annual CIF Contribution suggested for the Project	\$0

	Replace Elevated Water	Do Nothing		
Construction Cost	\$4,548,710	\$0		
Annual O & M	\$3,000	\$40,000		

Details:

In their CIP the city has a rehab, repair, replacement capital improvement plan target of \$0.

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

Present Value	Replace Elevated Water	Do Nothing		
Capital Costs	\$4,487,000	\$0		
O&M	\$77,000	\$1,109,000		
Repair, Rehab, Replacement	\$651,000	\$0		
Salvage Value	\$28,000	\$0		
Total PVC	\$5,187,000	\$1,109,000		
PV Cost Per User	\$20,748	\$4,436		

Current Water Rate (Cost Per 5000g)	\$48		
Comparable Water Rate	\$48		
Net Connections (New + Current)	250	250	
Cost-Share Percent	60%	60%	
Local Share	\$1,794,800	\$0	
Other Funding	\$0	\$0	
Total Local	\$1,794,800	\$0	
Payment Per User With Cost-Share	\$36.32	\$0.00	
Local Share	\$4,487,000	\$0	
Other Funding	\$0	\$0	
Total Local	\$4,487,000	\$0	
Payment Per User Without Cost-Share	\$90.80	\$0.00	

Explanation of Results:

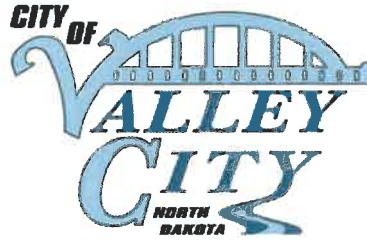
The sponsor preferred project is the "Replace Elevated Water Tower" option. The present value cost of the preferred alternative is \$5,187,000 and the presented alternative for comparison is "Do Nothing" at a present value cost of \$1,109,000. The present value cost per user for the preferred alternative is \$20,748. The monthly user cost of the local share with DWR 60% cost-share participation is \$36.32 per month and \$90.80 without DWR participation.

	Year		Annual Population Growth Rate	Average Annual Population Increase/Decrease
ND Dept. of Commerce	2010	2023		
Population & Trends	6,585	6,551	0.0%	-3

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version 1.2024.04.18

220 3rd St. NE
Valley City, ND 58072-0390



Phone: 701-845-1700
www.valleycity.us

October 27, 2025

Reice Haase, Director
ND Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58504

RE: Cost-Share Request
Northwest Standpipe Replacement Project
Valley City, North Dakota

Director Haase:

The City of Valley City (City) has recently completed the design and bidding process for the northwest standpipe replacement project and is preparing to move forward with the construction phase. Construction efforts are planned to begin in early 2026 and continue throughout 2026 and into 2027. The City is requesting 60% cost-share for this work.

If you have any questions or require additional information, please contact me at (701)845-8120.

Sincerely,

City of Valley City

A handwritten signature in black ink, appearing to read "Gwen Crawford".

Gwen Crawford
City Administrator

Valley City Commission Proceedings

Tuesday, October 21, 2025

President Carlsrud called the meeting to order at 5:00 PM.

Members present: President Carlsrud, Commissioner Erickson, Commissioner Gulmon, Commissioner Magnuson, Commissioner Bishop, City Administrator Crawford, City Attorney Martineck, Finance Director Klein, Police Chief Horner, Deputy Auditor Johnson

APPROVAL OF AGENDA

No changes.

APPROVAL OF CONSENT AGENDA

Commissioner Bishop moved to approve the consent agenda with the addition of extending the City Administrator contract to 2030, seconded by Commissioner Magnuson. Motion passed unanimously.

RES 2503. A Resolution Authorizing Bids for Cropland Lease – Auditor's Lot 2 NE1/4 31-140-58 and Auditor's Lot 1 NW1/4 32-140-58.

Commissioner Gulmon moved to approve with the minimum bid set at \$70, Commissioner Erickson seconded. Motion passed unanimously.

RES 2504. A Resolution Establishing Fee for Water Tower Infrastructure.

Commissioner Gulmon moved to approve \$1.90, Commissioner Bishop seconded. Motion passed unanimously.

NEW BUSINESS

Approve Monthly Bills for the City and Public Works in the Amount of \$3,569,764.

Commissioner Magnuson moved to approve, seconded by Commissioner Bishop. Motion passed unanimously.

Approve 2024 Audit Report prepared by Brady Martz.

Commissioner Gulmon moved to approve, seconded by Commissioner Magnuson. Motion passed unanimously.

Approval of Master Police Officer position.

Commissioner Bishop moved to approve, seconded by Commissioner Gulmon. Motion passed unanimously.

Approve 2026-2030 School Resource Officer Contract.

Commissioner Magnuson moved to approve with the condition that the contract to be paid out in January and August, seconded by Commissioner Bishop. Motion passed unanimously.

Approve ND DWR Construction Cost-Share Application for Northwest Standpipe Replacement Project.

Commissioner Bishop moved to approve, seconded by Commissioner Magnuson. Motion passed unanimously.

Approve Award – Northwest Area Water System Improvements.

Commissioner Bishop moved to approve, seconded by Commissioner Gulmon. Motion passed unanimously.

Approve Amendment to Section A.2.3.1 of Guaranteed Maximum Price Amendment to Construction Manager at Risk Agreement with McGough Construction -- Substantial Completion Date October 19, 2026.

Commissioner Erickson moved to approve, seconded by Commissioner Magnuson. Motion passed unanimously.

ADJOURN

Meeting was adjourned at 5:23PM.

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: State Water Supply – East Central Rural Water District
Hillsboro Area – Water Treatment Plant Expansion

DATE: November 25, 2025



Background & Description

East Central Rural Water District is requesting construction cost-share for their Hillsboro Area Water Treatment Plant Expansion (Project). The Project is expansion of the Hillsboro Water Treatment Plant in order to meet both current contracted demand and a large volume future user; and will also include iron and manganese filtration and reverse osmosis systems, backup generators, a backwash infiltration pond, new high service pumps, and a pump room. A total of \$12,077,289 in Drinking Water State Revolving Fund loan forgiveness and Emerging Contaminants in Small and Disadvantaged Communities grant funding has been approved for the Project. The Project is located in Traill County.

Supplemental Information

Water Development Plan / Priority	2025/Low
New / Future / Current Service Users	1/1/3,618
Present Value Cost / User (Preferred Alternative)	\$18,769
Rate / 5,000-Gallons	\$102
Comparable Rate / 5,000-Gallons	\$78
Water Source – Elk Valley, Page, Galesburg, Hillsboro Aquifers	

Schedule

Task	Dates
Study	Aug. 2024
Design	Oct. 2025
Bid	Nov. 25, 2025
Construction	Jan. 2026
Completion	Dec. 2027

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$0	\$0	\$0		
Eligible Costs	\$1,800,000	\$35,614,918	\$37,414,918		
Total	\$1,800,000	\$35,614,918	\$37,414,918		
DEQ Funding	\$450,000	\$11,627,289	\$12,077,289		
Cost-Share 56%	\$1,012,500			\$1,012,500 (12/13/24)	
Cost-Share 58%		\$17,990,722	\$19,003,222		\$17,990,722

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of the request from East Central Rural Water District for state cost-share participation in the Hillsboro Area Water Treatment Plant Expansion project in the amount of \$17,990,722, or 58 percent of eligible costs, with total cost-share not to exceed \$19,003,222. This approval is contingent on available funding.

RH:jsp:ln/2050EAS

1086541 - ECRWD: Hillsboro Area - WTP Expansion - Copy

Application Details

Funding Opportunity:	1085949-July 2025 - June 2026 Infrastructure Request
Funding Opportunity Due Date:	Jun 30, 2026 3:00 PM
Program Area:	Funding for Infrastructure in ND - FIND
Status:	Submitted
Stage:	Final Application
Initial Submit Date:	Oct 13, 2025 1:26 PM
Initially Submitted By:	Geoff Slick
Last Submit Date:	Nov 5, 2025 8:46 AM
Last Submitted By:	Geoff Slick

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Mr. Geoff Slick <small>Salutation First Name Middle Name Last Name</small>
Title:	Rural Water Practice Leader
Email*:	Geoffrey.slick@ae2s.com
Address*:	6250 Driftwood Dr Grand Forks North Dakota 58201 <small>City State/Province Postal Code/Zip</small>
Phone*:	701-213-7580 Ext. <small>Phone</small> ###-###-####
Fax:	###-###-####
Comments:	

Organization Information

Status*:	Approved
Name*:	East Central Regional Water District
Organization Type*:	Political Subdivision
Tax Id:	
Organization Website:	
Address*:	1401 7th Ave NE

Thompson North Dakota 58278-0000
City State/Province Postal Code/Zip

Phone*: (701) 599-2963 Ext.
#####

Fax: ### ### #####

Vendor ID:

PeopleSoft Supplier ID:

Comments:

Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*: ECRWD: Hillsboro Area - WTP Expansion

Sponsor(s)*: East Central Regional Water District

County*: Traill

City*: Hillsboro

Description of Request*: Updated (previously submitted)

Project Type: Rural Water Supply

If Project is a Study, What Type?: Water Supply

**If Project is Rural Water Supply or
Municipal Water Supply, What is the Name
of the Water Supply Source?:** Page/Galesburg/Hillsboro Aquifer

Jurisdictions/Stakeholders Involved*:

East Central Regional Water District

**Describe the Problem/Need and the
Circumstances that Led to This
Application*:**

The East Central Regional Water District (ECRWD) currently obtains finished water for the southeastern portion of its system from the existing water treatment plant (WTP) located west of Hillsboro. The WTP was constructed in 2012 and funded through a combination of federal and local sources. During peak demand periods, ECRWD exceeds its allocated capacity from this facility and must seek additional finished water to meet the needs of existing and new users. Over the past decade, overall water usage within the ECRWD system has increased significantly, resulting in the WTP west of Hillsboro operating beyond its allotted capacity. As a result, ECRWD is currently unable to extend water service to additional users in eastern Traill County.

**Describe the Proposed or Chosen
Solution(s) to Address the Problem/Need*:**

The proposed solution includes the construction of a new water treatment plant (WTP) designed to provide a base capacity of 2,000 gallons per minute (GPM). The treatment process will include iron and manganese removal followed by reverse osmosis (RO) treatment. The base bid configuration will provide the firm capacity necessary to meet the demands of existing and future domestic users. In addition, the project will include bid alternates to allow for expanded capacity to accommodate potential industrial users and future growth within the service area.

**Describe the Objectives or Goals Specific to
This Application*:**

The goals of the project are to provide adequate treatment capacity to meet the needs of existing and future users, ensure compliance with current and anticipated water quality regulations, and establish the capability to accommodate future industrial water demands.

**Describe the Scope of Work or Project
Activities Specific to This Application*:**

The proposed Water Treatment Plant (WTP) is designed for an ultimate capacity of 4,000 gallons per minute (GPM), consisting of iron and

manganese pressure filtration followed by reverse osmosis (RO) treatment. The base bid will include 2,000 GPM of treatment capacity, with bid alternates to expand capacity to 3,000 GPM and 4,000 GPM. The project will include backup generation capable of supporting the full WTP build-out, as well as an infiltration pond for backwash disposal. Site improvements will include piping connections to the existing raw water and distribution systems. The facility will also include new high service pumps and a pump room designed to meet current demands while providing adequate space for future expansion.

For this project,

Choose City, County, Water District or Other*: Water District

What is the Current Estimated Population?*: 15000

For this project,

What is the Benefited Population?*: 15000

Have Assessment Districts Been Formed?*: N/A

Have Land or Easements Been Acquired?*: Yes

Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*: Yes

Are There Any Road Improvements Included as Part of the Project?*: No

Have You Applied For Any Federal Permits?*: N/A

Have You Applied for any State Permits?*: N/A

Have You Applied for any Local Permits?*: Yes

If Yes or Ongoing, Please Explain (include type/number):

Trail County Road Access

Have You Been Approved For Any Local Permits?*: Yes

If Yes or Ongoing, Please Explain (include type/number):

Approved

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*: No

Have You Received, or Do You Anticipate Receiving Federal Funding? Yes
(Example: Hazard Mitigation Grant Program)
*:

Explain the Source, Timing and Amount of Federal Funds:

ECRWD has received EC-SDC dollars for the WTP Expansion portion of the project only.

Current dollars allocated to ECRWD

EC-SDC -\$8,305,550

DWSRF -\$2,840,000

It is ECRWD intent that those dollars would be applied for Final Design, Bidding and Construction phases related to the WTP expansion.

Federal Funding Contact: Bryan Schmitt
First Name Last Name

Federal Funding Contact Number: 701-325-5299

Federal Funding Email: BrSchmitt@ND.GOV

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: August 2024

Design Completion*: October 2025

Bid*: November 2025

Construction Start*: January 2026

Construction Completion*: December 2027

Explain Additional Timeline Issues*:
None anticipated at this time.

Consulting Engineer*: Geoff Slick

Engineer Direct Phone Number*: 701-746-8087

Engineer Email*: Geoffrey.slick@ae2s.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*: Yes

Authorized Individual*: Neil Breidenbach 10/10/2025
First Name Last Name Date

Title/Position/Authority*: Manager

Address*: 1401 7th Ave NE
Address Line 1
Address Line 2
Thompson North Dakota 58278-0000
City State Zip Code

Direct Phone Number*: 701-599-2963

Sponsor Email*: Neil@ecrwd.com

Are You Seeking Department of Water Resources Cost-Share?* Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor: Kory Sondreal
First Name Last Name

Authorized Signor Title/Position: President

Authorized Signor Email: ksondreal@aol.com

Authorized Signor Direct Phone Number: 218-779-8125

Provide the Name for One Additional Board Member, if Applicable: Jason Lovas
First Name Last Name

Additional Board Member Title/Position: Secretary/Treasurer

Additional Board Member Email: jasonlovas@gmail.com

Additional Board Member Direct Phone Number: 701-371-1272

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*: No

[CLICK HERE](#) to see examples.

Project Specific Map [20250930 Project Overview Map WTP.pdf](#)

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?* No

Are You Seeking Department of Water Resources Cost-Share?* Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: [2995_001.pdf](#)

Cover Letter: [Cover Letter.pdf](#)

Are You Seeking Cost-Share for a Main Street Initiative Related Project?: No

[CLICK HERE](#) for SFN 61801 Delineation of Costs Instructions and Current Version.

Delineation of Costs SFN 61801: [sfn_61801_delineation_of_cost 31 - WTP 2 Updated.xlsx](#)

Type of Request: Construction

Signed Plans and Specifications For Bidding: [Hillsboro WTP Expansion Specifications and Plans.pdf](#)

Is This a Water Supply Project?: Yes

[CLICK HERE](#) for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

Life Cycle Cost Analysis: [Hillsboro -life_cycle_cost_analysis_worksheet WTP.xlsx](#)

[CLICK HERE](#) for SFN 62417 Basic Asset Inventory Tool and Current Version.

Asset Inventory Assessment: [ECRWD_State Basic Asset Inventory Tool - V2.xlsx](#)

Is This a Rural Flood Control Project?: No

Is This a Drain Reconstruction Project?: No

Is This a Flood Recovery Property Acquisition Project?: No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?: No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision
(CLOMR), if Required for Construction
Request:

Has a Feasibility/Engineering Study Been Completed for the Project?: Yes

Feasibility/Engineering Study Material: [ECRWD - Traill Water Supply PER.pdf](#)

Photos of Problem/Issue:

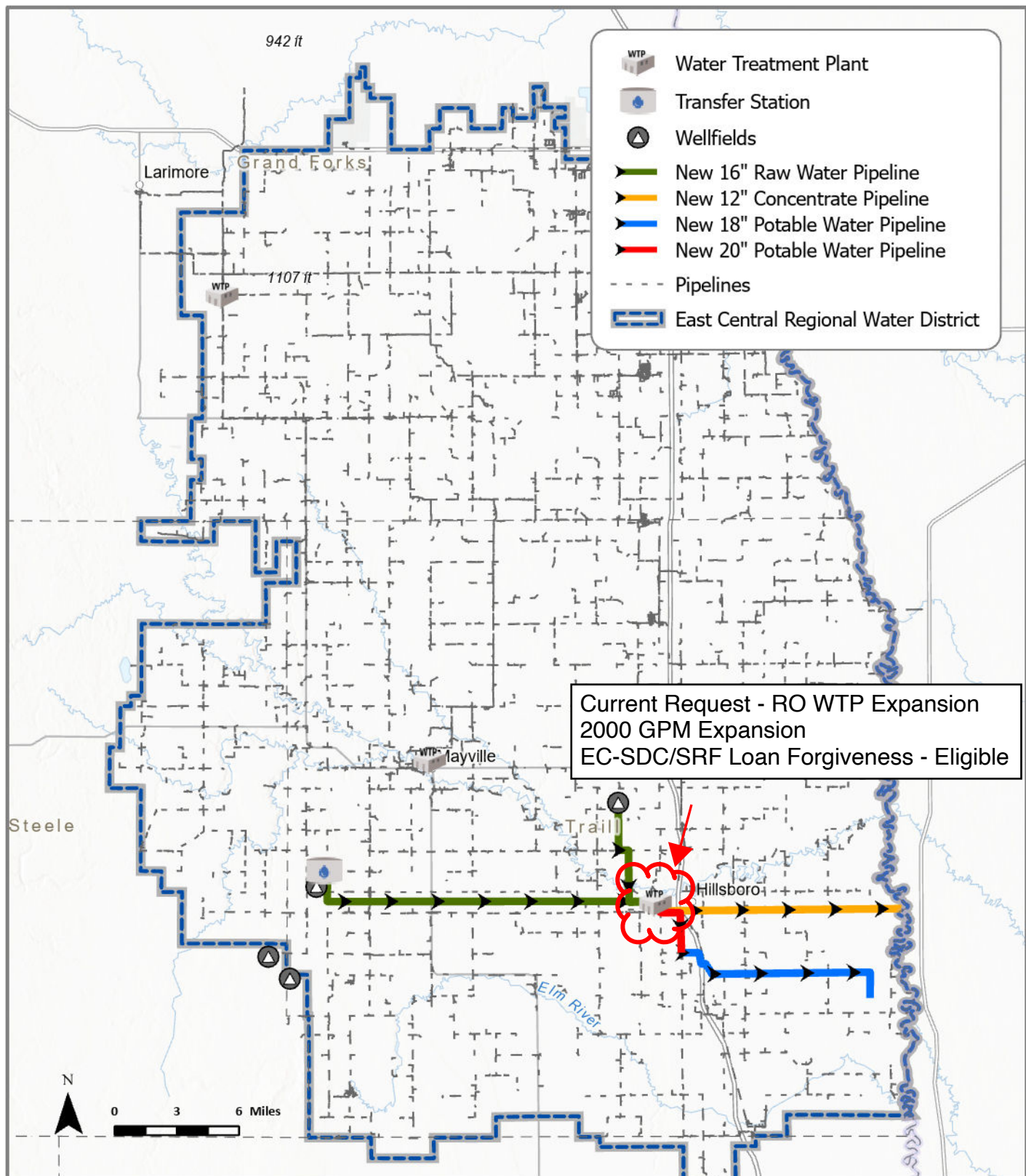
GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s):

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Department of Water Resources Cost Share Pre-Construction		Already Approved	\$0.00	\$1,012,500.00	\$0.00	\$1,012,500.00	Grant	0.00	0.00
Other	EC-SDC/SRF Loan Forgiveness - Preconstruction	Already Approved	\$0.00	\$450,000.00	\$0.00	\$450,000.00	Grant	0.00	0.00
Other	EC-SDC	Current Request	\$0.00	\$0.00	\$10,695,550.00	\$10,695,550.00 \$11,627,289.00	Grant	0.00	0.00
Drinking Water State Revolving Fund		Already Approved	\$0.00	\$337,500.00	\$6,229,842.00	\$6,567,342.00	Loan	30.00	2.00
Department of Water Resources Cost Share Construction		Current Request	\$0.00	\$0.00	\$18,689,526.00	\$18,689,526.00 \$17,990,722.00	Grant	0.00	0.00
			\$0.00	\$1,800,000.00	\$35,614,918.00	\$37,414,918.00			



Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.

Coordinate System: NAD 1983 2011 Contiguous USA Albers | Edited by: cclauson | W:\E\ECRWD\14494-2024-005\GIS\ECRWD Hillsboro WTP Expansion Supply - Mapping and Analysis - Chris.aprx | Project Overview Map



Locator Map Not to Scale

ECRWD - HILLSBORO AREA WATER SUPPLY

EAST CENTRAL REGIONAL WATER DISTRICT
Thompson, ND



Date: 9/30/2025



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (7/2024)

DWR Date Received : November 05, 2025

Project:	ECRWD: Hillsboro Area WTP Expansion: Treatment
Sponsor:	East Central Regional Water District
Contact:	Neil Breidenbach, Manager
Phone:	701-599-2963
Engineer:	Geoff Slick, AE2S
Phone:	701-746-8087

Total Cost :	\$ 37,414,918	Date:	October 10, 2025
Ineligible Cost :	\$ 12,077,289	Cost-Share \$	
Eligible Cost :	\$ 25,337,629	Cost-Share \$	After Other Grants Applied
Local Cost :	\$ 18,411,696	\$ 28,061,189	\$ 19,003,222
	Preconstruction :	\$ 1,350,000	\$ 1,012,500
	Construction :	\$ 26,711,189	\$ 17,990,722

Project Type:	Cost-share %
Rural Water Supply	75%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Item	%							
Construction Costs								
1	3.0%	Mobilization	1	LS	1,000,000.00	\$ 1,000,000	75%	\$ 750,000
2	1.8%	Bonding	1	LS	600,000.00	\$ 600,000	75%	\$ 450,000
3	0.3%	Insurance	1	LS	100,000.00	\$ 100,000	75%	\$ 75,000
4	16.3%	Process Equipment	1	LS	5,366,375.00	\$ 5,366,375	75%	\$ 4,024,781
5	16.8%	Electrical	1	LS	5,533,511.00	\$ 5,533,511	75%	\$ 4,150,133
6	15.2%	Concrete	1	LS	5,002,073.00	\$ 5,002,073	75%	\$ 3,751,555
7	0.9%	Masonry	1	LS	292,400.00	\$ 292,400	75%	\$ 219,300
8	2.6%	Metals	1	LS	858,193.00	\$ 858,193	75%	\$ 643,645
9	0.2%	Wood, Plastics and Composites	1	LS	72,248.00	\$ 72,248	75%	\$ 54,186
10	1.4%	Thermal and Moisture Protection	1	LS	473,586.00	\$ 473,586	75%	\$ 355,190
11	0.8%	Openings	1	LS	270,124.00	\$ 270,124	75%	\$ 202,593
12	2.3%	Finishes	1	LS	775,767.00	\$ 775,767	75%	\$ 581,825
13	0.0%	Specialties	1	LS	12,680.00	\$ 12,680	75%	\$ 9,510
14	0.0%				-	\$ -	75%	\$ -
15	1.4%	Plumbing	1	LS	475,769.00	\$ 475,769	75%	\$ 356,827
16	1.5%	HVAC	1	LS	479,504.00	\$ 479,504	75%	\$ 359,628
17	3.3%	Earthwork	1	LS	1,096,290.00	\$ 1,096,290	75%	\$ 822,218
18	0.8%	Exterior Improvements	1	LS	255,500.00	\$ 255,500	75%	\$ 191,625
19	0.9%	Utilities	1	LS	293,150.00	\$ 293,150	75%	\$ 219,863
20	0.1%	Material Processing and Handling Equip	1	LS	27,000.00	\$ 27,000	75%	\$ 20,250
21	3.1%	Process Handling & Storage Equipment	1	LS	1,036,039.00	\$ 1,036,039	75%	\$ 777,029
22	17.1%	Water Equipment	1	LS	5,643,353.00	\$ 5,643,353	75%	\$ 4,232,515
23	1.1%	I&C System Services	1	LS	350,000.00	\$ 350,000	75%	\$ 262,500
24	0.0%	Alternate 1 -Increase Capacity to 3000 G	1	LS	-	\$ -	75%	\$ -
25	0.0%	Alternate 2 - Increase Capacity to 4000 G	1	LS	-	\$ -	75%	\$ -
26	0.0%				-	\$ -	75%	\$ -
		Construction Sub-Total				\$ 30,013,562	75%	\$ 22,510,172
	10.0%	Contingency				\$ 3,001,356	75%	\$ 2,251,017
	88.2%	Construction Total				\$ 33,014,918	75%	\$ 24,761,189
Preconstruction Costs								
27	5.3%	Final Design - WTP	1	LS	1,750,000.00	\$ 1,750,000	75%	\$ 1,312,500
28	0.2%	Bidding / Negotiations - WTP	1	LS	50,000.00	\$ 50,000	75%	\$ 37,500
29	0.0%					\$ -	75%	\$ -
30	0.0%					\$ -	75%	\$ -
31	0.0%					\$ -	75%	\$ -
	4.8%	Preconstruction Total				\$ 1,800,000	75%	\$ 1,350,000
Construction Engineering Costs								
32	7.9%	Project Inspection - WTP	1	LS	2,600,000.00	\$ 2,600,000	75%	\$ 1,950,000
33	0.0%		0		-	\$ -	75%	\$ -
34	0.0%				-	\$ -	75%	\$ -
35	0.0%				-	\$ -	75%	\$ -
36	0.0%				-	\$ -	75%	\$ -
	6.9%	Construction Engineering Total				\$ 2,600,000	75%	\$ 1,950,000
Other Eligible Costs								
37	0.0%		0		-	\$ -	75%	\$ -
38	0.0%		0		-	\$ -	75%	\$ -
39	0.0%		0		-	\$ -	75%	\$ -
40	0.0%		0		-	\$ -	75%	\$ -
41	0.0%		0		-	\$ -	75%	\$ -
	0.0%	Other Eligible Total				\$ -	75%	\$ -
In-eligible Costs								
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 37,414,918		
		Eligible Total				\$ 37,414,918	75%	\$ 28,061,189
Federal or State Funds That Supplant Costs								
						\$ 12,077,289		
		Eligible Cost Total				\$ 25,337,629	75%	\$ 19,003,222

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Total

Life Cycle Cost Analysis Review

Sponsor:

East Central Regional Water District

Project Title:

ECRWD: Hillsboro Area WTP Expansion

Date:

November 7, 2025

Explanation of Alternatives:

WTP Expansion Page-Galesburg Aquifer (Preferred) - 4000 GPM Iron/Manganese RO WTP Expansion
WTP Hillsboro Aquifer Expansion - 4000 GPM Iron/Manganese RO, Blower/Detention Basin Purchase 4000 GPM From Fargo- Install a 24-inch HDPE pipeline from the city of Fargo to Hillsboro WTP with a pump station near Fargo.

Inputs:

New Connections Served	1
Future Connections Served	1
Current Connections Served	3618
Net Connections (New + Current)	3619

Current CIF Balance	\$7,900,000
Annual CIF Contribution	\$700,000
Cash Funding Target (Percentage %) New Assets	25%
Cash Funding Target (Percentage %) Existing Assets	25%
Annual CIF Contribution suggested for the Project	\$503,832

	WTP Expansion Page-	WTP Hillsboro Aquifer	Purchase 2000 GPM From Fargo	
Construction Cost	\$37,414,900	\$38,294,800	\$45,338,200	
Annual O & M	\$650,000	\$812,500	\$975,000	

Details:

LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

Present Value	WTP Expansion Page-	WTP Hillsboro Aquifer	Purchase 2000 GPM From Fargo	
Capital Costs	\$36,914,000	\$37,782,000	\$44,731,000	
O&M	\$16,751,000	\$20,933,000	\$25,123,000	
Repair, Rehab, Replacement	\$17,717,000	\$18,611,000	\$6,709,000	
Salvage Value	\$3,456,000	\$3,562,000	\$794,000	
Total PVC	\$67,926,000	\$73,764,000	\$75,769,000	
PV Cost Per User	\$18,769	\$20,382	\$20,936	

Current Water Rate (Cost Per 5000g)	\$102			
Comparable Water Rate	\$47			
Net Connections (New + Current)	3,619	3,619	3,619	
Cost-Share Percent	75%	75%	75%	
Local Share	\$9,228,500	\$9,445,500	\$11,182,750	
Other Funding	\$0	\$0	\$0	
Total Local	\$9,228,500	\$9,445,500	\$11,182,750	
Payment Per User With Cost-Share	\$12.90	\$13.20	\$15.63	
Local Share	\$36,914,000	\$37,782,000	\$44,731,000	
Other Funding	\$0	\$0	\$0	
Total Local	\$36,914,000	\$37,782,000	\$44,731,000	
Payment Per User Without Cost-Share	\$51.60	\$52.81	\$62.53	

Explanation of Results:

The sponsor preferred project is the "WTP Expansion Page-Galesburg Aquifer" option. The present value cost of the preferred alternative is \$67,926,000 and \$73,764,000 for the "WTP Hillsboro Aquifer Expansion" alternative for comparison. The capital expenditure cost for the preferred alternative is \$37,414,000 and \$37,782,000 for the comparable alternative. The present value cost per user for the preferred alternative is \$18,769. The monthly user cost of the local share with DWR 75% cost-share participation is \$12.90 per month and \$51.60 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.
LCCA Version Version 1.2024.04.18



East Central Regional Water District

PO Box 287
1401 7th Avenue NE
Thompson, ND 58278

Neil Breidenbach
System Manager

Phone: 701-599-2963
Fax: 701-599-2056
Website: www.ecrwd.com

October 10, 2025

Reice Haase, Director
State Water Commission
1200 Memorial Highway
Bismarck ND 58504

Re: ECRWD: Hillsboro Area WTP Expansion

Dear Director Haase:

ECRWD is applying for a North Dakota State Water Commission (ND SWC) Cost Share application for construction dollars for the Hillsboro Area Water Treatment Plant. The project will include a new RO WTP west of Hillsboro. This is a very important project for ECRWD and we look forward to collaborating with the ND SWC to get this complete.

Thank you for your continued cooperation regarding the above referenced project. If you have any questions, please feel free to contact me at (701) 599-2963.

Sincerely,

Neil Breidenbach
East Central Regional Water District System Manager

c: Geoff Slick, Project Manager

Special Board Meeting
Thursday, October 2, 2025
Meeting held via Zoom

Kory Sondreal - President	Absent
Michael Anderson – Vice President	Present
Jason Lovas – Secretary/Treasurer	Absent
Mike Elliott	Present
Travis Hegg	Present
Jim Schmaltz	Present
Jeremy Cunningham	Absent

Also, present was Neil Breidenbach and Shari Hagen.

Vice President Michael Anderson called the meeting to order at 3:01 PM.

A roll call from directors present was taken; and a quorum noted.

Discussion had on the Construction Application for the ECRWD: Hillsboro Area Expansion: Supply and Transmission Project that was to be submitted to the ND DWR. Jim Schmaltz made a motion to submit the application for 75% SWC cost share for construction costs as bid. Mike Elliott seconded the motion. No further discussion. A roll call vote was taken and all directors present voted aye. Motion passed unanimously.

Discussion had on the Construction Application for the ECRWD: Hillsboro Area Expansion: WTP Project that was to be submitted to the ND DWR. Jim Schmaltz made a motion to submit the application for cost share for SWC construction costs as bid. Mike Elliott seconded the motion. No further discussion. A roll call vote was taken and all directors present voted aye. Motion passed unanimously.

A motion to adjourn the meeting made by Jim Schmaltz and seconded by Travis Hegg. The meeting adjourned at 3:12 PM.

Recording Secretary,
Shari Hagen

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: State Water Supply – East Central Rural Water District
Hillsboro Area – Supply, Transmission, and Distribution

DATE: November 25, 2025



Background & Description

The East Central Rural Water District is requesting a construction cost-share increase for their Hillsboro Area Supply Transmission and Distribution (Project). The Project is 20 new wells in the Galesburg Aquifer, 8 new wells in the Page Aquifer, improvements at the ECRWD transfer station located south of Mayville, 12 miles of concentrate removal pipeline between the Hillsboro water treatment plant and the Red River, and 20 miles of distribution pipeline between the water treatment plant and a connection for a planned large-scale dairy. The current request is to add 3 new wells in the Hillsboro Aquifer, 7 miles of raw water transmission pipeline from the Hillsboro Aquifer wellfield to the water treatment plant, and 17 miles of raw water transmission pipeline between the transfer station and the water treatment plant. The Project is located in Traill County.

Supplemental Information

Water Development Plan / Priority	2025/Moderate
New / Future / Current Service Users	1/1/3,618
Present Value Cost / User (Preferred Alternative)	\$15,260
Rate / 5,000-Gallons	\$102
Comparable Rate / 5,000-Gallons	\$78
Water Source – Page, Galesburg, Hillsboro Aquifer	

Schedule

Task	Dates
Study	Aug. 2024
Design	Nov. 2025
Bid	Dec. 3, 2025
Construction	May 2026
Completion	Dec. 2026

Cost-Share Funding Summary

	Preconstruction	Construction	Total	Approved	Recommend
Noneligible Costs	\$0	\$0	\$0		
Eligible Costs	\$1,535,000	\$29,865,943	\$31,400,943		
Total	\$1,535,000	\$29,865,943	\$31,400,943		
Cost-Share 75%	\$1,151,250	\$22,399,458	\$23,550,708	\$93,750 (9/26/24) \$1,057,500 (12/13/24) \$12,675,453 (12/13/24)	\$9,724,005

This project meets requirements of the Water Commission's cost-share policy. Therefore, I recommend approval of this request from East Central Rural Water District for state cost-share participation in the Hillsboro Area - Supply, Transmission, and Distribution project in the amount of \$9,724,005, or 75 percent of eligible costs, with total cost-share not to exceed \$23,550,708. This approval is contingent on available funding.

RH:jsp:ln:/2050EAS

1086542 - ECRWD: Hillsboro Area - Supply, Transmission & Distribution - Copy - Copy

Application Details

Funding Opportunity:	1085949-July 2025 - June 2026 Infrastructure Request
Funding Opportunity Due Date:	Jun 30, 2026 3:00 PM
Program Area:	Funding for Infrastructure in ND - FIND
Status:	Under Review
Stage:	Final Application
Initial Submit Date:	Oct 16, 2025 2:12 PM
Initially Submitted By:	Geoff Slick
Last Submit Date:	Oct 27, 2025 4:23 PM
Last Submitted By:	Geoff Slick

Contact Information

Primary Contact Information

Active User*:	Yes
Type:	External User
Name:	Mr. Geoff Middle Name Slick Salutation First Name Last Name
Title:	Rural Water Practice Leader
Email*:	Geoffrey.slick@ae2s.com
Address*:	6250 Driftwood Dr Grand Forks North Dakota 58201 City State/Province Postal Code/Zip
Phone*:	701-213-7580 Ext. Phone ###-###-####
Fax:	###-###-####
Comments:	

Organization Information

Status*:	Approved
Name*:	East Central Regional Water District
Organization Type*:	Political Subdivision
Tax Id:	
Organization Website:	

Address*: 1401 7th Ave NE

Thompson North Dakota 58278-0000
City State/Province Postal Code/Zip

Phone*: (701) 599-2963 Ext.
#####

Fax: ### ### #####

Vendor ID:

PeopleSoft Supplier ID:

Comments:

Location Code:

Infrastructure Funding Request

Infrastructure Funding Request

Project Name*: ECRWD: Hillsboro Area - Supply, Transmission & Distribution

Sponsor(s)*: East Central Regional Water District

County*: Trail

City*: Hillsboro

Description of Request*: Updated (previously submitted)

Project Type: Rural Water Supply

If Project is a Study, What Type?:

If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?: Page/Galesburg/Hillsboro Aquifer

Jurisdictions/Stakeholders Involved*:
East Central Regional Water District

Describe the Problem/Need and the Circumstances that Led to This Application*:

In the Summer of 2024 Herberg Dairy sent a request to ECRWD for a 700 gpm water service in Section 34 of Herberg Township, 10-miles SE of Hillsboro.

Currently, ECRWD does not have adqueate supply, and distribution infrastructure to supply the large user, new residential users, as well as the existing demands. Additional infrastructure such as wells, raw water pumping, raw water pipelines, treatment capacity and large distribution piping is required.

Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:

The solution includes at least 8-wells in the Page aquifer, at least 20 (50 gpm) wells in the Galesburg aquifer, 3-new wells in the Hillsboro Aquifer, additional pumping capacity at the transfer station, a raw water pipeline from the transfer station to the new wtp, 20-inch pipeline from the new Hillsboro Aquifer wells to the new WTP, 14-inch concentrate removal pipeline and ~20/18-inch pipeline to the Dairy.

Describe the Objectives or Goals Specific to This Application*:

The objectives and goals of the current request is to get additional raw water supply from the Page/Galesburg/Hillsboro aquifers to the newly formed WTP west of Hillsboro.

Describe the Scope of Work or Project Activities Specific to This Application*:

20-inch pipeline and miscellaneous appurtenances from the ECRWD transfer station to the WTP west of Hillsboro. New wells, associated electrical

and generator within the Hillsboro aquifer. 20-inch transmission pipeline from the new wellfield C within the Hillsboro Aquifer to the new WTP west of Hillsboro.

For this project,

Choose City, County, Water District or Other*: Water District

What is the Current Estimated Population?*: 15000

For this project,

What is the Benefited Population?*: 15000

Have Assessment Districts Been Formed?*: N/A

Have Land or Easements Been Acquired?*: Yes

Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*: Yes

Are There Any Road Improvements Included as Part of the Project?*: No

Have You Applied For Any Federal Permits?*: No

Have You Applied for any State Permits?*: Yes

If Yes or Ongoing, Please Explain (include type/number):

Hillsboro Aquifer Water Permit

Have You Been Approved for any State Permits?*: Ongoing

If Yes or Ongoing, Please Explain (include type/number):

A request for additional water capacity under permit 7377 is under review to withdrawal water out of the Hillsboro Aquifer.

Have You Applied for any Local Permits?*: N/A

Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*: Yes

If Yes, Please Explain:

If permit 7377 is not secured for raw water from the Hillsboro aquifer. The three wells and raw water portion of the project will not be able to be completed.

Have You Received, or Do You Anticipate Receiving Federal Funding? No

(Example: Hazard Mitigation Grant Program)

*:

Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

Study Completion*: August 2024

Design Completion*: November 2025

Bid*: December 2025

Construction Start*: May 2026

Construction Completion*: December 2027

Explain Additional Timeline Issues*:

Only delay would be not obtaining a successful permit within the Hillsboro Aquifer.

Consulting Engineer*: Geoff Slick
Engineer Direct Phone Number*: 701-213-7580
Engineer Email*: Geoffrey.Slick@ae2s.com

Certification (Must Be Completed by Project Sponsor)

It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*: Yes

Authorized Individual*: Neil Breidenbach 10/13/2025
First Name Last Name Date
Title/Position/Authority*: Manager
Address*: 1401 7th Ave NE
Address Line 1
Address Line 2
Thompson North Dakota 58278-0000
City State Zip Code

Direct Phone Number*: 701-599-2963
Sponsor Email*: Neil@ecrwd.com

Are You Seeking Department of Water Resources Cost-Share?* Yes

Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor: Kory Sondreal
First Name Last Name

Authorized Signor Title/Position: President
Authorized Signor Email: ksondreal@aol.com

Authorized Signor Direct Phone Number: 218-779-8125

Provide the Name for One Additional Board Member, if Applicable: Jason Lovas
First Name Last Name

Additional Board Member Title/Position: Secretary/Treasurer
Additional Board Member Email: jasonlovas@gmail.com

Additional Board Member Direct Phone Number: 701-371-1272

Documentation

Documentation

Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*: No

[CLICK HERE](#) to see examples.

Project Specific Map[20251027 Project Overview Map.pdf](#)

Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community

*:

Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*

No

Are You Seeking Department of Water Resources Cost-Share?*

Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

Minutes: [2995_001.pdf](#)

Cover Letter: [Cover Letter.pdf](#)

Are You Seeking Cost-Share for a Main Street Initiative Related Project?: No

[CLICK HERE](#) for SFN 61801 Delineation of Costs Instructions and Current Version.

Delineation of Costs SFN 61801: [Copy of sfn_61801_delineation_of_cost 31 - Supply Transmission and Dist Prebid 101625.xlsx](#)

Type of Request: Construction

Signed Plans and Specifications For Bidding: [2025 10 24 ECRWD - Raw Water Expansion Combined Plans and Specs.pdf](#)

Is This a Water Supply Project?: Yes

[CLICK HERE](#) for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

Life Cycle Cost Analysis: [Hillsboro -life_cycle_cost_analysis_worksheet 23 2 Supply Trans and Dist 2025 - Updated.xlsx](#)

[CLICK HERE](#) for SFN 62417 Basic Asset Inventory Tool and Current Version.

Asset Inventory Assessment: [ECRWD_State Basic Asset Inventory Tool - V2.xlsx](#)

Is This a Rural Flood Control Project?: No

Is This a Drain Reconstruction Project?: No

Is This a Flood Recovery Property Acquisition Project?: No

If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost \$200,000 or More?: No

Sovereign Land Permit, if Required for Construction Request:

DWR Construction Permit, if Required for Construction Request:

Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:

Has a Feasibility/Engineering Study Been Completed for the Project?: Yes

Feasibility/Engineering Study Material: [ECRWD - Traill Water Supply PER.pdf](#)

Photos of Problem/Issue:

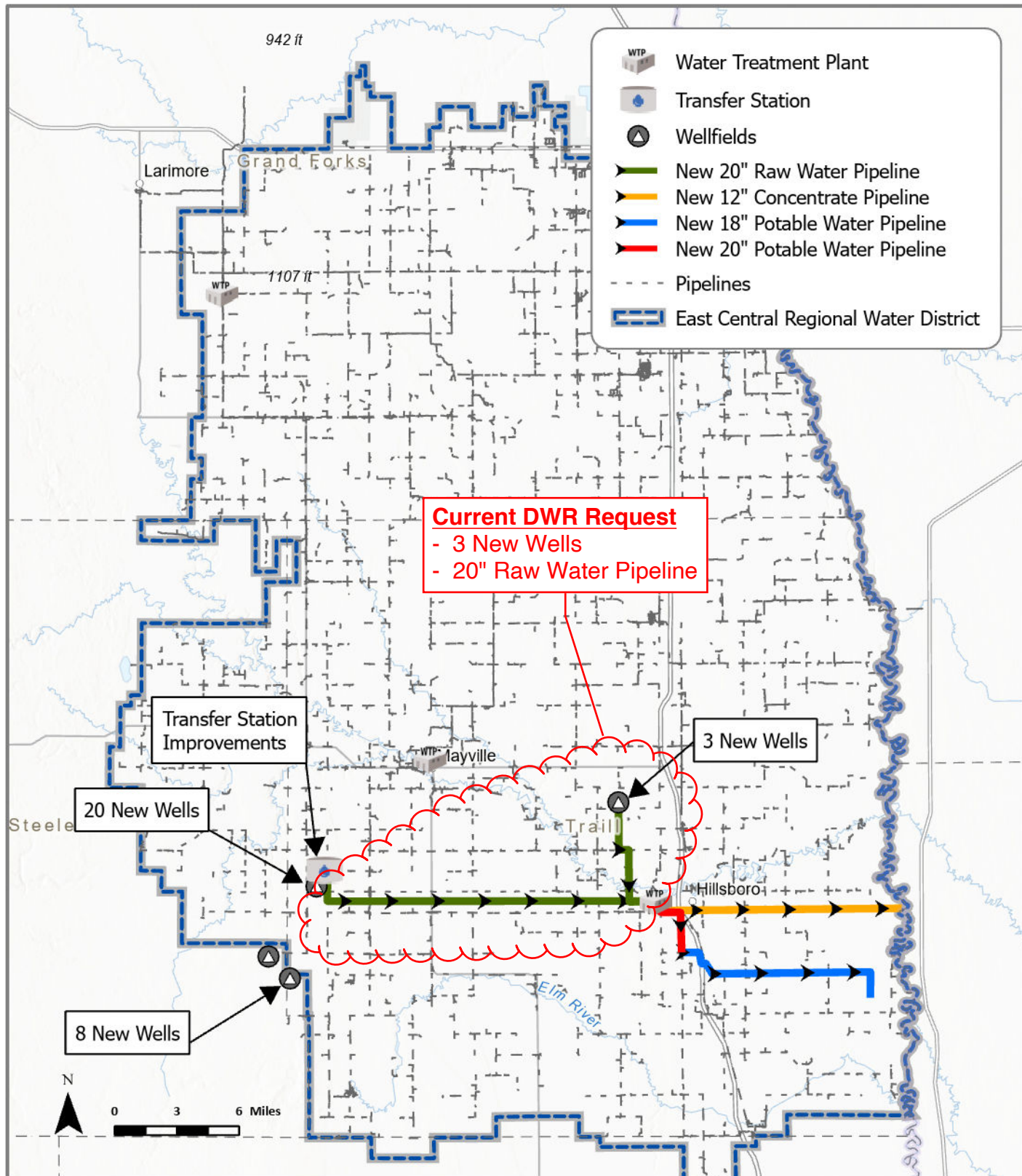
GIS Files: Please Compress All Files Into One .zip File.

Other Applicable Document(s):

Sources

Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)

Source	If Other, Specify Funding Source	Source Status	State Fiscal Year 1 July to June	State Fiscal Year 2 July to June	Beyond Current Biennium	Total Cost	Type	Term	Interest Rate
Department of Water Resources Cost Share Construction		Already Approved	\$0.00	\$12,675,453.00	\$0.00	\$12,675,453.00	Grant	0.00	0.00
Department of Water Resources Cost Share Construction		Current Request	\$9,724,004.00	\$0.00	\$0.00	\$9,724,004.00	Grant	0.00	0.00
Other	Local	Already Approved	\$0.00	\$4,736,072.63	\$0.00	\$4,736,072.63	Loan	0.00	0.00
Other	Local	Current Request	\$2,730,413.00	\$0.00	\$0.00	\$2,730,413.00	Loan	30.00	2.00
Department of Water Resources Cost Share Pre-Construction		Already Approved	\$0.00	\$1,151,250.00	\$0.00	\$1,151,250.00	Grant	0.00	0.00
Other	Local	Already Approved	\$0.00	\$383,750.00	\$0.00	\$383,750.00	Loan	0.00	0.00
			\$12,454,417.00	\$18,946,525.63	\$0.00	\$31,400,942.63			



Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.
 Coordinate System: NAD 1983 2011 Contiguous USA Albers | Edited by: cclauson | W:\E\ECRWD\14494-2024-005\GIS\ECRWD Hillsboro WTP Expansion Supply - Mapping and Analysis - Chris.aprx | Project Overview Map



ECRWD - HILLSBORO AREA WATER SUPPLY

EAST CENTRAL REGIONAL WATER DISTRICT Thompson, ND



Date: 10/27/2025



DELINEATION OF COSTS
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (7/2024)

DWR Date Received : October 20, 2025

Project: ECRWD: Hillsboro Area WTP Expansion: Supply and Transmission
Sponsor: East Central Regional Water District
Contact: Neil Breidenbach, Manager
Phone: 701-599-2963
Engineer: Geoff Slick, AE2S
Phone: 701-746-8087

Total Cost : \$ 31,400,943
Ineligible Cost : \$ -
Eligible Cost : \$ 31,400,943
Local Cost : \$ 7,850,236

Date: October 15, 2025

Cost-Share \$
\$ 23,550,707
Preconstruction : \$ 1,151,250
Construction : \$ 22,399,457
Current request: \$9,724,005

Project Type: Rural Water Supply
Cost-share % 75%

		Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	0.0%	Mobilization				\$ -	75%	\$ -
2	0.0%	Bonding				\$ -	75%	\$ -
3	0.0%	Insurance				\$ -	75%	\$ -
4	1.4%	Water Main 12 in & Associated Appurtenances	6850	LF	57.82	\$ 396,050	75%	\$ 297,038
5	5.8%	300 GPM Well, Electrical, Process	8	EA	200,777.88	\$ 1,606,223	75%	\$ 1,204,667
6	0.0%					\$ -	75%	\$ -
7	2.3%	Water Main 6 in & 12" & Associated Appurtenances	9100	LF	70.86	\$ 644,800	75%	\$ 483,600
8	0.0%					\$ -	75%	\$ -
9	1.9%	50 GPM Well, Electrical, Process	20	EA	26,905.50	\$ 538,110	75%	\$ 403,583
10	1.9%	Process Pipes, Values, Fittings	1	EA	540,000.00	\$ 540,000	75%	\$ 405,000
11	3.9%	Electrical	1	EA	1,076,000.00	\$ 1,076,000	75%	\$ 807,000
12	0.0%					\$ -	75%	\$ -
13	12.5%	Water Main 14 in & Associated Appurtenances	62500	LF	55.68	\$ 3,480,200	75%	\$ 2,610,150
14	0.0%					\$ -	75%	\$ -
15	14.6%	Water Main 18 in & Associated Appurtenances	56000	LF	72.76	\$ 4,074,500	75%	\$ 3,055,875
16	0.0%					\$ -	75%	\$ -
17	5.5%	Water Main 20 in & Associated Appurtenances	19050	LF	80.08	\$ 1,525,575	75%	\$ 1,144,181
18	0.0%					\$ -	75%	\$ -
19	1.1%	I&C System Services	1	LS	300,000.00	\$ 300,000	75%	\$ 225,000
20	0.0%					\$ -	75%	\$ -
21	3.6%	Wells, Process and Electrical - Current Request	3	EA	333,333.33	\$ 1,000,000	75%	\$ 750,000
22	11.0%	Watermain 20 in & Associated Appurtenances - Current Request	36095	LF	85.29	\$ 3,078,543	75%	\$ 2,308,907
23	0.0%					\$ -	75%	\$ -
24	0.0%					\$ -	75%	\$ -
25	0.0%					\$ -	75%	\$ -
26	25.4%	Watermain 20 in & Associated Appurtenances - Current Request	91178	LF	77.56	\$ 7,071,766	75%	\$ 5,303,824
		Construction Sub-Total				\$ 25,331,766	75%	\$ 18,998,825
	10.0%	Contingency				\$ 2,533,177	75%	\$ 1,899,882
	88.7%	Construction Total				\$ 27,864,943	75%	\$ 20,898,707
Preconstruction Costs								
\$11,150,309 +10% contingency =\$12,265,340 cost share \$9,199,005								
27	4.3%	Final Design - Supply, Transmission, & Distribution	1	LS	1,190,000.00	\$ 1,190,000	75%	\$ 892,500
28	0.2%	Bidding / Negotiations - Supply, Transmission, & Distribution	1	LS	60,000.00	\$ 60,000	75%	\$ 45,000
29	0.0%					\$ -	75%	\$ -
30	0.6%	Easement Assistance	1	LS	160,000.00	\$ 160,000	75%	\$ 120,000
31	0.4%	Preliminary Design	1	LS	125,000.00	\$ 125,000	75%	\$ 93,750
	4.9%	Preconstruction Total				\$ 1,535,000	75%	\$ 1,151,250
Construction Engineering Costs								
32	3.5%	Project Inspection - Supply, Transmission, & Distribution	1	LS	975,000.00	\$ 975,000	75%	\$ 731,250
33	0.1%	Geotechnical Investigations	1	LS	26,000.00	\$ 26,000	75%	\$ 19,500
34	1.8%	Project Inspection - Current Request	1	LS	500,000.00	\$ 500,000	75%	\$ 375,000
35	0.0%					\$ -	75%	\$ -
36	0.0%					\$ -	75%	\$ -
	4.8%	Construction Engineering Total				\$ 1,501,000	75%	\$ 1,125,750
Other Eligible Costs								
37	1.0%	Crop Damage Reimbursement	1		300,000.00	\$ 300,000	75%	\$ 225,000
38	0.6%	Crop Damage Reimbursement - Current Request	1		200,000.00	\$ 200,000	75%	\$ 150,000
39	0.0%		0		-	\$ -	75%	\$ -
40	0.0%		0		-	\$ -	75%	\$ -
41	0.0%		0		-	\$ -	75%	\$ -
	1.6%	Other Eligible Total				\$ 500,000	75%	\$ 375,000
In-eligible Costs								
42	0.0%		0		-	\$ -	0%	\$ -
43	0.0%		0		-	\$ -	0%	\$ -
44	0.0%		0		-	\$ -	0%	\$ -
45	0.0%		0		-	\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -
100.0%		Total				\$ 31,400,943		
		Eligible Total				\$ 31,400,943	75%	\$ 23,550,707
Federal or State Funds That Supplant Costs								
		Eligible Cost Total				\$ 31,400,943	75%	\$ 23,550,707

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

Life Cycle Cost Analysis Review

Sponsor: East Central Regional Water District
Project Title: ECRWD: Hillsboro Area - Supply, Transmission and Distribution
Date: October 27, 2025

Explanation of Alternatives:

Hillsboro Area - Supply & Distribution Page/Galesburg Aquifer (Preferred) - Add of 8-wells in the Page Aquifer, 20-wells in the Galesburg Aquifer, and update the Transfer Station. Install Raw Water a pipeline from Transfer Station to Hillsboro WTP, add 3-Wells in the Hillsboro Aquifer and a pipeline from Hillsboro Aquifer to Hillsboro WTP. Construct a concentrate removal pipeline to the Red River and 20/18/16-inch pipeline to Herberg Dairy.

Hillsboro WTP Expansion - Red River Intake and Distribution - Build a Dam, Intake, and Pipeline to WTP. Construct a concentrate removal pipeline to the Red River and 20/18/16-inch pipeline to Herberg Dairy.

Purchase Raw Water from Fargo - Install a 24-inch HDPE pipeline from the city of Fargo to Hillsboro WTP with a pump station near Fargo. 2000

Inputs:

New Connections Served	1	Current CIF Balance	\$7,900,000
Future Connections Served	1	Annual CIF Contribution	\$700,000
Current Connections Served	3618	Cash Funding Target (Percentage %) New Assets	25%
Net Connections (New + Current)	3619	Cash Funding Target (Percentage %) Existing Assets	25%
		Annual CIF Contribution suggested for the Project	\$204,608

	Hillsboro Area - Supply	Hillsboro WTP Expansion	Purchase Raw Water From Fargo	
Construction Cost	\$31,401,000	\$32,872,700	\$41,806,800	
Annual O & M	\$912,500	\$1,277,500	\$1,460,000	

Details:

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LCCA Model Results:

Scenario Analysis - Present Value Life Cycle Cost Summary

	Hillsboro Area - Supply & Distribution Page/Galesburg Aquifer (Preferred)	Hillsboro WTP Expansion	Purchase Raw Water From Fargo	
Present Value				
Capital Costs	\$30,163,000	\$31,576,000	\$41,247,000	
O&M	\$21,805,000	\$30,531,000	\$37,620,000	
Repair, Rehab, Replacement	\$3,433,000	\$4,132,000	\$6,125,000	
Salvage Value	\$176,000	\$492,000	\$749,000	
Total PVC	\$55,225,000	\$65,747,000	\$84,243,000	
PV Cost Per User	\$15,260	\$18,167	\$23,278	

Current Water Rate (Cost Per 5000g)	\$102			
Comparable Water Rate	\$78			
Net Connections (New + Current)	3,619	3,619	3,619	
Cost-Share Percent	75%	75%	75%	
Local Share	\$7,540,750	\$7,894,000	\$10,311,750	
Other Funding	\$0	\$0	\$0	
Total Local	\$7,540,750	\$7,894,000	\$10,311,750	
Payment Per User With Cost-Share	\$10.54	\$11.03	\$14.41	
Local Share	\$30,163,000	\$31,576,000	\$41,247,000	
Other Funding	\$0	\$0	\$0	
Total Local	\$30,163,000	\$31,576,000	\$41,247,000	
Payment Per User Without Cost-Share	\$42.16	\$44.14	\$57.66	

Explanation of Results:

The sponsor preferred project is the "Hillsboro Area - Supply & Distribution Page/Galesburg Aquifer" option. The present value cost of the preferred alternative is \$55,225,000 and \$65,747,000 for the "Hillsboro WTP Expansion" alternative for comparison. The capital expenditure cost for the preferred alternative is \$30,163,000 and \$31,567,000 for the comparable alternative. The present value cost per user for the preferred alternative is \$15,260. The monthly user cost of the local share with DWR 75% cost-share participation is \$10.54 per month and \$42.16 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.



East Central Regional Water District

PO Box 287
1401 7th Avenue NE
Thompson, ND 58278

Neil Breidenbach
System Manager

Phone: 701-599-2963
Fax: 701-599-2056
Website: www.ecrwd.com

October 10, 2025

Reice Haase, Director
State Water Commission
1200 Memorial Highway
Bismarck ND 58504

Re: East Central Regional Water District – Hillsboro Area – Supply, Transmission, and Distribution

Dear Director Haase:

ECRWD is applying for a North Dakota State Water Commission (ND SWC) Cost Share application for construction dollars for the Hillsboro Area Supply, Transmission and Distribution project. The project will include raw water transmission pipelines, wells, and associated electrical. This is a very important project for ECRWD and we look forward to collaborating with the ND SWC to get this complete.

Thank you for your continued cooperation regarding the above referenced project. If you have any questions, please feel free to contact me at (701) 599-2963.

Sincerely,

Neil Breidenbach
East Central Regional Water District System Manager

c: Geoff Slick, Project Manager

**Special Board Meeting
Thursday, October 2, 2025
Meeting held via Zoom**

Kory Sondreal - President	Absent
Michael Anderson – Vice President	Present
Jason Lovas – Secretary/Treasurer	Absent
Mike Elliott	Present
Travis Hegg	Present
Jim Schmaltz	Present
Jeremy Cunningham	Absent

Also, present was Neil Breidenbach and Shari Hagen.

Vice President Michael Anderson called the meeting to order at 3:01 PM.

A roll call from directors present was taken; and a quorum noted.

Discussion had on the Construction Application for the ECRWD: Hillsboro Area Expansion: Supply and Transmission Project that was to be submitted to the ND DWR. Jim Schmaltz made a motion to submit the application for 75% SWC cost share for construction costs as bid. Mike Elliott seconded the motion. No further discussion. A roll call vote was taken and all directors present voted aye. Motion passed unanimously.

Discussion had on the Construction Application for the ECRWD: Hillsboro Area Expansion: WTP Project that was to be submitted to the ND DWR. Jim Schmaltx made a motion to submit the application for cost share for SWC construction costs as bid. Mike Elliott seconded the motion. No further discussion. A roll call vote was taken and all directors present voted aye. Motion passed unanimously.

A motion to adjourn the meeting made by Jim Schmaltz and seconded by Travis Hegg. The meeting adjourned at 3:12 PM.

Recording Secretary,
Shari Hagen

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: Devils Lake Update
DATE: November 26, 2025



Devils Lake Water Surface Elevation

The Devils Lake water surface elevation as of November 17, 2025, is 1448.8 feet, which is presented in Figure 1. The schematic also shows pertinent elevations such as the overflow elevation, record high lake level elevation, the elevation Devils Lake begins spilling into Stump Lake, and the 1992 lake level which was the low point before its significant rise in the following years. The minimum elevation for operation of the West End Outlet (West Outlet) is approximately 1445.0 feet, and 1446.0 feet for the East End Outlet (East Outlet). All elevations are in NGVD 29 datum.

Devils Lake Downstream Conditions

The sulfate concentration of the latest water samples collected from the Sheyenne River downstream of Devils Lake are illustrated in Figure 1.

Hydrologic Conditions

The National Weather Service (NWS) provides forecasts for the Devils Lake water surface elevation, which are based on operation of the Devils Lake Outlets (Outlets) at a daily average of 350 cubic feet per second (cfs) from May 15 through October 30. The outlook for Devils Lake released on September 25, 2025, indicated a 50% chance that the lake will fall below an elevation of 1448.2 feet between September 22, 2025, and December 28, 2025. The current lake level is 0.6 ft higher than this 50% chance prediction, likely due to fall precipitation exceeding the forecasts. The next outlook will be released in January 2026.

Outlets Operations

Department of Water Resources (DWR) concluded the 2025 discharge season for the East Outlet on August 29 and the West Outlet on August 31 to comply with downstream water quality constraints. Continued downstream constraints prevented any further operation, and the Outlets were winterized in October.

For the year of 2025, the total discharge volume from the West Outlet was 38,511 acre-feet, and the total discharge volume from the East Outlet was 27,853 acre-feet. DWR first operated the West Outlet in 2007 and East Outlet in 2012. Since 2007, the total discharge volume from the West Outlet is 992,190 acre-feet, and the total discharge volume from the East Outlet is 662,742 acre-feet. The combined total discharge from both Outlets since 2007 is 1,654,933 acre-feet. Figure 2 shows the annual discharge volumes for the Outlets.

Summary of 2025 Completed and Ongoing Outlet Projects

Given the scale of Devils Lake infrastructure, each project involves considerable planning, procurement, and coordination within the short maintenance windows available between operational and weather constraints. For the year of 2025, three major projects have been completed for maintaining the continued operations of the Outlets.

- (1) Onsite inspection for all motors. Onsite inspection of all motors at both Outlets were conducted by a motor service shop, which included an oil sample test, a vibration test, and an electrical surge test. A priority list for motor reconditioning was recommended.
- (2) Josephine Pump #4 motor reconditioning. This motor, identified as the highest priority motor, was reconditioned in early 2025 and was operated during the 2025 season.
- (3) Overflow issue at the Josephine tank. DWR has replaced non-functioning air release valves (ARVs) that are presumed to be the potential cause of the overflow issue. DWR staff will monitor Josephine tank conditions in the next operation season.

There are several ongoing projects for both Outlets.

- (1) A diving service contractor was hired to remove sediment around the pump #1 intake area and to remove the sediment within the intake screen.. Two unsuccessful attempts were made to remove the intake screen after sediment removal. The divers have identified damages to the intake screen. Due to the unsuccessful attempts by the diving contractor, Bartlett & West/AECOM (BW/AECOM), the contracted engineer for the Outlets, was requested to propose options for isolating and dewatering the pump #1 intake bay to allow inspection, and ultimately, repair/replace the damaged intake screen. Another option is to bring the divers back to remove the intake screen using a different method. DWR

November 25, 2025

has requested the estimated cost and time for all proposed options. This project will not impact Outlet operations startup in 2026.

- (2) Preventative maintenance for switchgears at both Outlets were completed in May 2025, which aimed to identify and repair potential electrical issues to ensure smooth future operations. DWR has reviewed the final report and is working with BW/AECOM and the contractor to address the findings.
- (3) Engineering assistance has been utilized to evaluate the pump priming system at the Round Lake pump station. Due to the age of the system, DWR has received a proposal for replacement of the pump priming system from the original manufacturer, which is under review. This replacement project will not impact Outlet operations startup in 2026.
- (4) To ensure proactive maintenance, DWR is working to establish a recurring maintenance schedule for motors each fall after shutdown, ensuring all motors undergo thorough offsite inspection on a rotating basis. Any issues identified during these inspections will dictate the necessary repairs. DWR is working with the state's procurement office to ensure proper procurement procedures are followed.
- (5) Flow meters at the West Outlet were replaced last summer. Throughout the 2025 operation season, two flow meters were found to generate abnormally high readings periodically. DWR has notified the contractor and is working with them to address the findings.
- (6) DWR is continuing the hydraulic modeling efforts for the Round Lake intake low water investigation. Water flows from Devils Lake into Round Lake through two openings - one at Old Highway 281 and another at 43rd Street Northeast. An abandoned railroad embankment in the area may also be contributing to flow restrictions. The investigation aims to evaluate the hydraulic capacity of these openings during low lake level conditions and to ensure continued West Outlet operation down to its minimum design elevation of 1445 feet.

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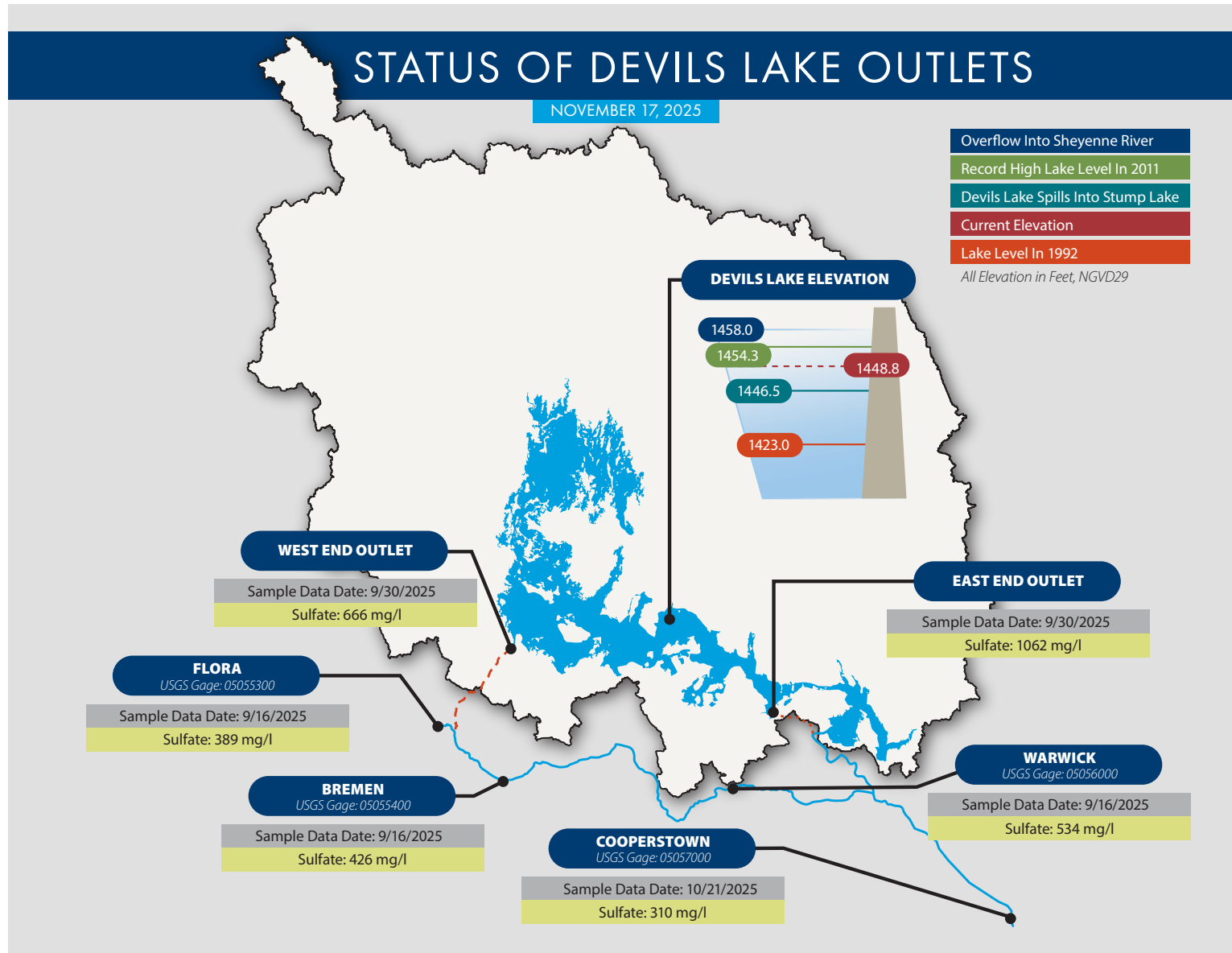


Figure 1: Status of Devils Lake and Downstream Conditions

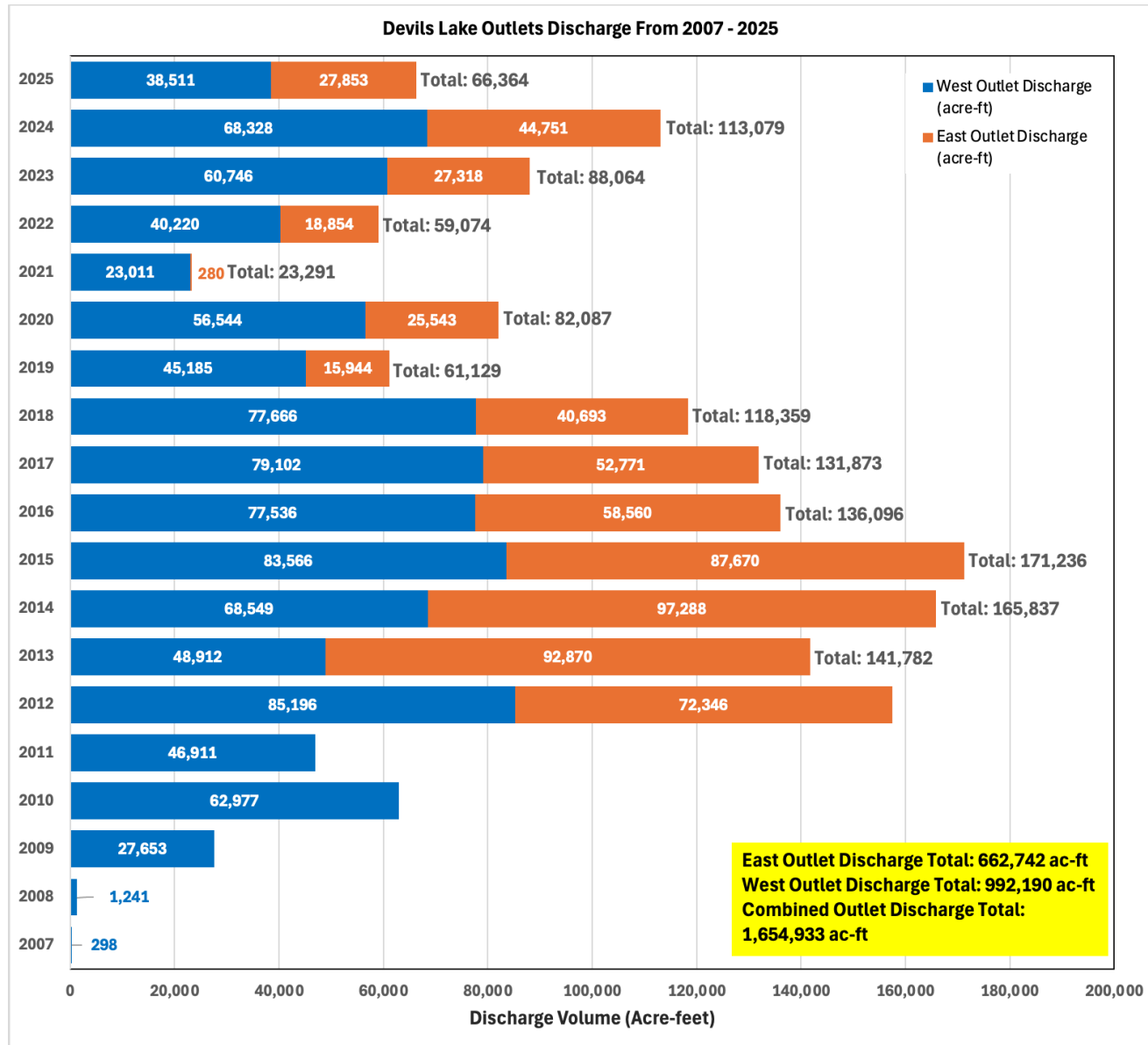


Figure 2: Devils Lake Outlets Discharge From 2007 to 2025

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: Mouse (Souris) River Update
DATE: November 26, 2025



Hydrologic Conditions and Reservoir Status

Streamflow in the Mouse River Basin continues to taper off in North Dakota and Saskatchewan. For the gages that are still reporting (i.e., not ice-affected or seasonal) in North Dakota, streamflow is generally normal to above normal for this time of year, according to the U.S. Geological Survey's National Water Dashboard.

In Saskatchewan, Rafferty Reservoir is 1.0 foot below its February 1, 2026, Normal Drawdown Level and is not making releases. Boundary Reservoir is 1.9 feet below its Full Supply Level and is also not making releases. Grant Devine Reservoir is 0.6 feet above its February 1, 2026, Normal Drawdown Level and is releasing approximately 20 cubic feet per second (cfs) for the purposes of drawdown and meeting the minimum flow requirement at Sherwood. The minimum flow requirement at Sherwood is 4 cfs if that much flow would have occurred under pre-dam conditions.

In North Dakota, Lake Darling reached its February 1, 2026, Normal Drawdown Level in early November, and releases were terminated at that time. At J. Clark Salyer National Wildlife Refuge, releases to Manitoba are approximately 250 cfs. The minimum flow requirement to Manitoba was met this year with releases ranging between 27 cfs and 534 cfs (average of 175 cfs) from June 1 to October 31. North Dakota must provide Manitoba with at least 20 cfs from June 1 to October 31 every year.

Reservoir status as of November 17, 2025, in the Souris River Basin is illustrated in Figure 1, along with approximate channel capacity of the mainstem in North Dakota.

International Souris River Board

The International Joint Commission (IJC) is hosting its fall semi-annual meetings virtually on December 5 and 9 to 11, 2025. These dates are the postponed session for the initially planned meeting dates from October 21 to 23 due to federal government

shutdown. The International Souris River Board's appearance before the IJC is scheduled for December 10.

The next regular meeting of the International Souris River Board will be held on February 25, 2026, in Brandon, Manitoba.

Rafferty Dam Spillway Underdrainage Maintenance Curtailment

Repairs of the underdrainage system of the spillway at Rafferty Dam began on August 1, 2025. In their latest update from November 7, Water Security Agency noted that the project continues to be ahead of schedule, and they anticipate construction to be complete the third week of November. It is expected the spillway will be operable again at that time.

Mouse River Enhanced Flood Protection Project (MREFPP)

The Souris River Joint Board (SRJB) sponsored Mouse River Enhanced Flood Protection Project (MREFPP) is a basin wide project to reduce flood risk in the Mouse River Basin within North Dakota.

At their November meeting, the SRJB received updates on the various phases of the MREFPP. The Northeast Tieback Levee (MI-5) is substantially complete. The design team is addressing comments on the 65% design plans for the Maple River Diversion (MI-4). It is anticipated that the Maple River Diversion (MI-4) will be ready for bid in the spring of 2027. Onsite construction is progressing for two phases along the south side of the Mouse River: Eastwood Park/Downtown (MI-6) and Roosevelt Park and Zoo (MI-7). Construction started for the Mouse River Park Bridge and a notice to proceed was issued to the contractor for the Velva Bridge.

The SRJB is holding a special meeting on December 4 to discuss updating the Mouse River Plan, which guides the implementation of the MREFPP. DWR staff plan to attend this meeting.

More information about the MREFPP can be accessed at <https://www.mouseriverplan.com/>.

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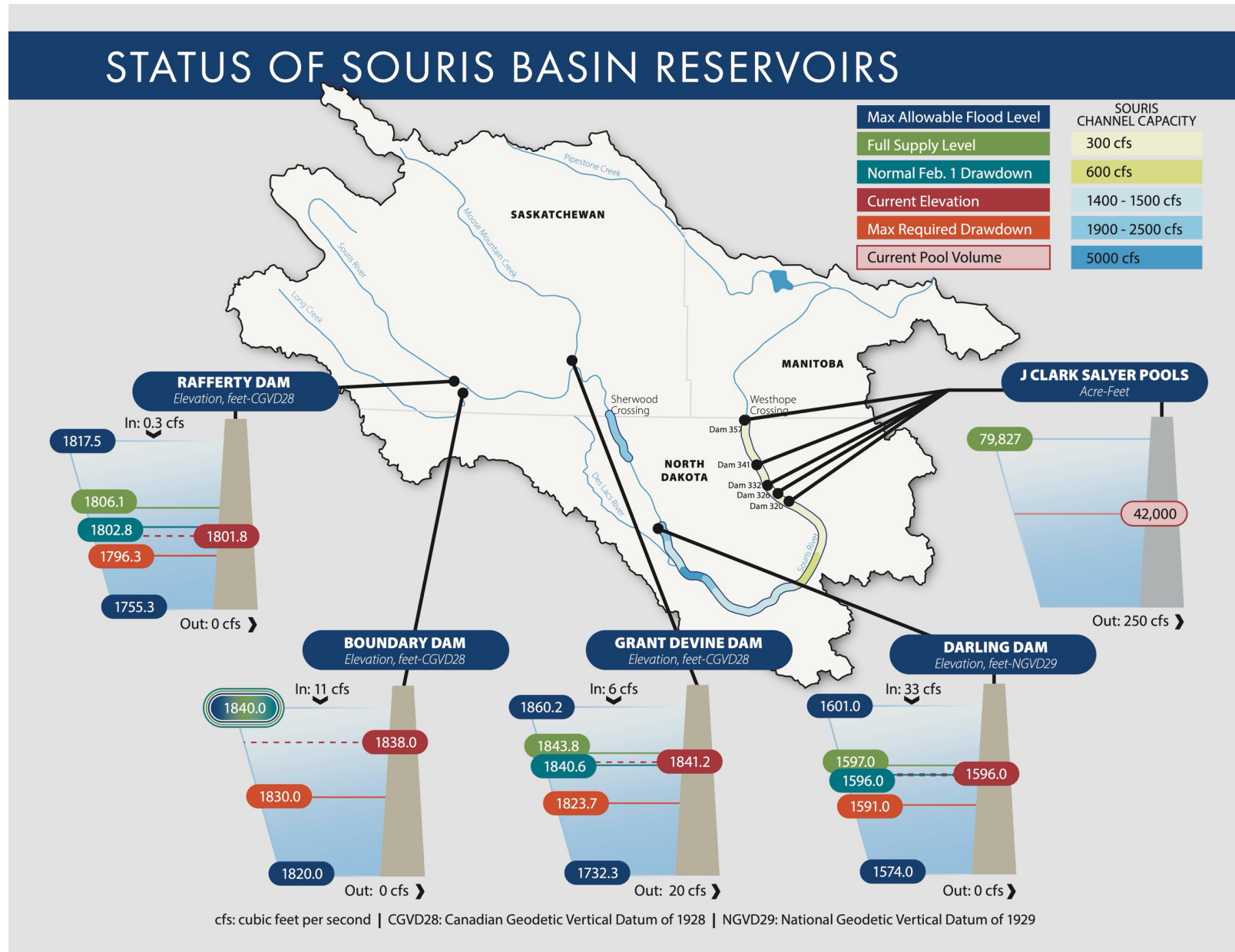


Figure 1: November 17, 2025, Reservoir Status in the Souris River Basin

MEMORANDUM

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission

FROM: Reice Haase, Secretary

SUBJECT: Missouri River Update

DATE: November 26, 2025



System/Reservoir Status

Table 1 shows that Fort Peck Lake and Lake Sakakawea are below their averages for this time of year by approximately 8 feet and 5 feet, respectively. Lake Oahe is slightly above its average for this time of year. System storage is below average given the levels of Fort Peck Lake and Lake Sakakawea. All 16.3 MAF of flood control storage is available in the system to capture runoff, plus an additional 7.2 MAF.

Table 1. Current and historical reservoir elevations and total system storage.

	Reservoir Elevation (feet msl)			Total System Storage (MAF) ⁽¹⁾
	Fort Peck	Lake Sakakawea	Lake Oahe	
November 18, 2025	2,222.2	1,830.7	1,600.3	49.0
One-Year Ago	2,226.8	1,837.1	1,596.7	50.8
	November 31st Reservoir Statistics (period of record: 1967-2024)			
Average	2,230.0	1,835.5	1,599.6	53.3
Record High [year]	2,245.3 [1975]	1,846.7 [1972]	1,612.4 [1997]	61.3 [1975]
Record Low [year]	2,199.8 [2004]	1,808.9 [2006]	1,573.2 [2006]	34.6 [2006]

(1) MAF – Million Acre-Feet. More storage indicates more water is in the system

Missouri River Runoff Forecasts

Future runoff will depend on several factors including soil moisture and basin precipitation. Figure 1 from the National Drought Mitigation Center (NDMC) shows that portions of the Missouri River basin are experiencing drought. There are currently no drought conditions in the North Dakota portion of the Missouri River basin. The National Weather Service Climate Prediction Center's Seasonal Drought Outlook released on November 20 indicates drought conditions are expected to remain relatively unchanged or improve slightly through February.

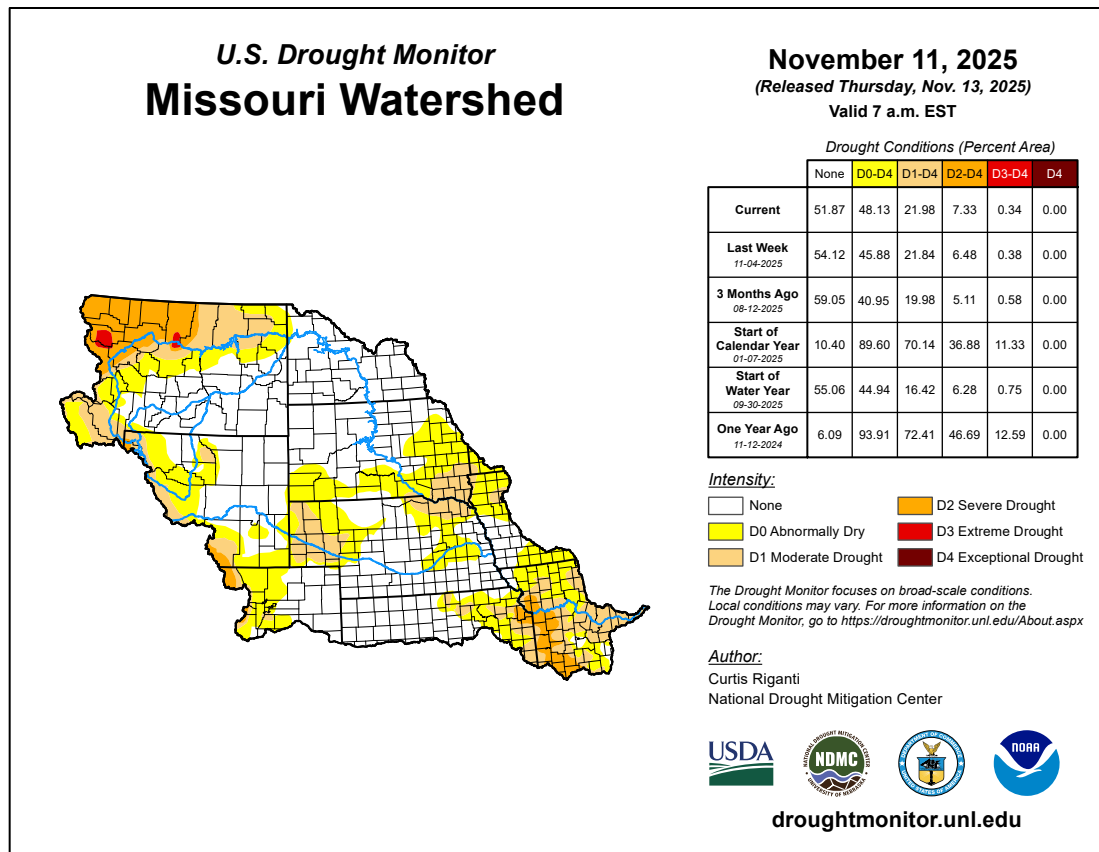


Figure 1. Drought conditions throughout the Missouri River Basin as of November 11, 2025. Graphic is courtesy of the NDMC.

Runoff in the Fort Peck and Fort Peck to Garrison reaches continues to be below average due to precipitation deficits and the below-normal mountain snowpack in the Missouri River basin last winter. The U.S. Army Corps of Engineers (USACE) forecasts that 2025 runoff for the Missouri River System will be 19.7 MAF, 77% of average. The forecast may change if there is significant precipitation or if drought worsens across the basin. USACE anticipates Missouri River System storage will continue to decline this fall.

A La Niña climate pattern was declared on October 9, 2025, by the Climate Prediction Center. La Niña patterns usually favor colder and slightly wetter conditions during the winter in North Dakota. La Niña patterns often lead to increased snowfall in the northern Rockies, potentially resulting in above average Missouri River runoff next year. The climate pattern is expected to last through February 2026.

Missouri River Basin Reservoirs in ND

Lake Sakakawea is currently at an elevation of 1,830.7 ft msl, with inflows of 9,000 cubic feet per second (cfs) and outflows of 13,800 cfs. The current USACE forecast anticipates Garrison releases will increase to 16,000 cfs in December, which is within the range for a typical release rate for this time of year. Garrison releases will be held steady or lowered during river ice formation and then increased once ice cover stabilizes.

Figure 2 shows the status of federally operated reservoirs in the Missouri River basin in North Dakota as of November 18, 2025.

Snake Creek Embankment

As mentioned in previous updates, DWR has continually advocated for USACE to choose a structural repair measure as the preferred alternative in the Snake Creek Embankment (Embankment) Dam Safety Modification Study (DSMS). A structural fix would restore the Embankment to its full design capabilities and would protect North Dakota water supply projects and the authorized purposes of the Garrison Diversion Unit. USACE had resisted this suggestion for several years but has recently informed the DWR that they are pursuing a structural fix of the Embankment as their preferred alternative in the DSMS.

DWR and the Garrison Diversion Conservancy District (GDCCD) wrote a joint letter to USACE on October 7 describing the State's preferred alternative of a full cutoff wall. The letter noted that DWR and GDCCD would also support a partial cutoff wall with additional relief wells if USACE can show the design would provide adequate long-term protection. DWR and GDCCD continue to meet with USACE on a regular basis to maintain open communication. The next meeting with USACE is scheduled for December 1.

Missouri River Potential Intake Locations Investigation

The first phase of the Missouri River Potential Intake Locations Investigation (Investigation) is complete. This phase focused on identifying suitable locations for

industrial water intakes with a capacity of at least 15,000 acre-feet per year throughout the Missouri River corridor from the Montana border to Washburn, ND. The primary purpose of the potential intakes would be to serve existing industrial water users and potentially attract new industrial opportunities to the state, with a secondary purpose to support additional irrigation and municipal water supply needs.

The first phase of the Investigation was a desktop study that used existing information to identify potentially suitable locations for water intakes. The second phase will include field verification of select sites identified in the first phase of the Investigation and will provide additional information for future design and construction of potential intakes. Field investigation is needed to confirm the suitability of the intake locations identified by the desktop study.

DWR sought feedback from a wide range of stakeholders including but not limited to cities, regional water systems, water associations, water resource districts, industry, economic development groups, and other state agencies regarding potential locations where water intakes may be beneficial. Approximately 130 individuals were contacted. Stakeholder input is being used to narrow the list of sites to be included in the second phase of the Investigation to ensure resources are directed toward locations with higher stakeholder interest and limited existing field data.

DWR anticipates soliciting Request for Proposals for completing the field investigation soon with an expected recommendation to award brought forward at the February 2026 State Water Commission meeting.

RH:CRC/1392

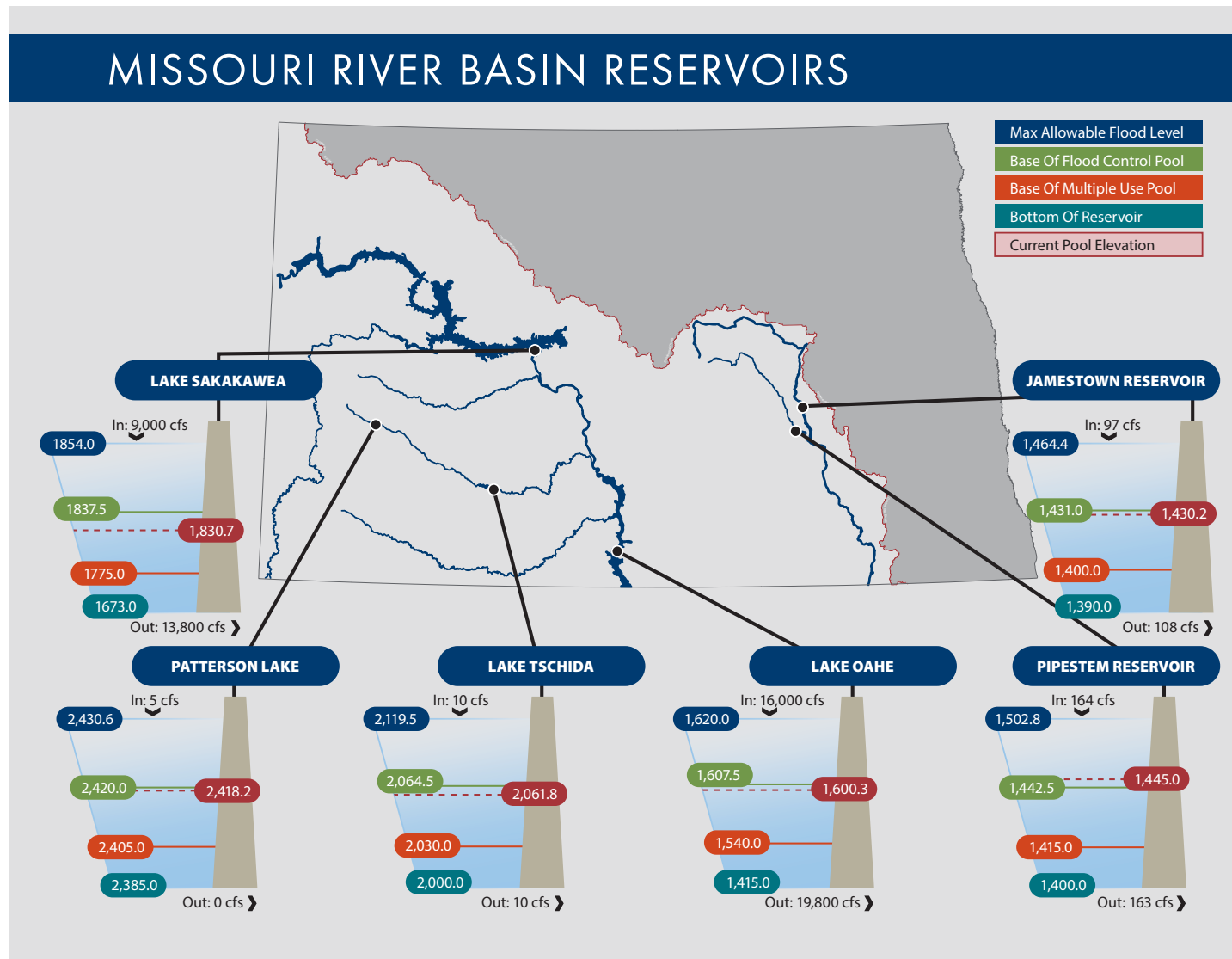


Figure 2. Status of reservoirs in the basin as of November 18, 2025.

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: NAWS – Project Update
DATE: November 24, 2025



Updates from the last meeting memo are shown in bold italics.

NAWS Contract 6-1A Intake Modifications to Snake Creek Pumping Plant (SCPP)

Contract 6-1A Intake Modifications to SCPP includes three equipment procurement contracts, Demolition Contract, and Construction Contract.

The equipment procurement contracts included a delivery date of March 1, 2024, for all equipment excluding the backup generator which had a delivery date of March 1, 2025. The March 1, 2024, and March 1, 2025, delivery dates were not met by any of the equipment procurement contractors. All equipment included in the procurement contracts are now delivered to the site.

The Contract 6-1A Demolition Contract is substantially complete as of December 20, 2024. Final Change Order No. 4 that incorporated time and materials cost for the duct bank work for the switchgear and transformer pad is finalized. The final contract cost with all four change orders is \$4,530,158, an increase of \$693,858 from the original contract price.

Work on Contract 6-1A Demolition and Construction Contracts was delayed due to the extensive coordination needed with the Bureau of Reclamation (Reclamation), the owner of the SCPP. The Milestone 1 completion date on the Construction Contract which is for construction of all work excluding installation of the generator when awarded was June 30, 2024. The Substantial Completion date for all work was July 30, 2025, and the Final Completion date was August 31, 2025. Because of the delays due to the submittal review process and the equipment delivery, the completion date of June 30, 2024, was not met by the contractor.

Change Order #1 on the Construction Contract has been executed, which adds the small amount of remaining demolition work to the Construction Contract, changes pipe coatings to a 2-part fusion bonded epoxy coating, and addresses coating removal on the formed suction intake. Change Order #1 also extended the completion dates, and increased the liquidated damages if those dates are not met. Through Change Order #1, the Milestone 1 completion date which is for all work except the installation of the generator was extended to July 11, 2025. Substantial Completion was extended to September 5, 2025, and Final Completion was extended to October 5, 2025. ***Progress is being made by the Contractor, however there continues be schedule delays experienced. DWR continues to note the importance of completing the project in a timely manner.***

The current anticipated completion date on this project is early 2026.

DWR staff will review the needs for emergency sequence of operations necessary at the Pumping Plant and determine if assistance from Garrison Diversion Conservancy District staff is necessary for the operations of the NAWS intake and an agreement will be drafted accordingly.

NAWS Snake Creek Pumping Plant Discharge Pipeline Contract 2-1E

Contract 2-1E includes the discharge pipeline that connects the SCPP to the NAWS raw water transmission pipeline. The scope of work involves construction of approximately 2,100 feet of 36" ductile iron pipe.

The pressure testing of the pipeline was completed May 12, 2025, and walk through for developing the punchlist for achieving Substantial Completion was completed July 23, 2025. The contract cannot achieve Substantial Completion until the pumps inside the SCPP are operational, which as discussed previously, has been delayed.

NAWS Permanent Intake and Screen Structure Contract 1-1A

The scope of work for Contract 1-1A includes the construction of a new NAWS raw water intake, large diameter intake pipeline with isolation valve, steel intake bulkhead, small diameter airburst, and chemical feed pipelines in Lake Sakakawea outside the existing Reclamation's SCPP.

This contract was divided into Contract 1-1A Contract No. 1 – Dredging, Pipeline, and Facility Construction and Contract 1-1A Contract 2 – Isolation Valve Construction. Bids for these Contracts were opened July 21, 2025. The contract award and the funding allocation was approved by the SWC at its June and August 2025 meetings. The preconstruction conference for this contract was held October 10, 2025. The preliminary schedule from the Contractor indicates site mobilization in spring with this fall and winter focused on equipment procurement and submittals. The contractor has already expressed concerns with meeting the contract's Substantial Completion date of November 25, 2026, due to the lead time involved for the specified valve on the contract. Additional details have been requested from the contractor.

DWR staff is developing an agreement with GDCCD for receiving the funding available from Reclamation/GDCCD towards cost-share for the cofferdam removal included in Contract 1-1A.

NAWS Contract 7-2A/4-1A Biota Water Treatment Plant (BWTP)

NAWS Contract 7-2A/4-1A generally includes construction of a new concrete, steel, and precast BWTP, for which contracts were awarded in February 2021 and the Notices to Proceed for the general and electrical construction were issued in March 2021. Site work, including excavation and grading, began in April 2021.

The defective roof has been corrected.

The inspection and testing of the defective filter underdrains by the independent third-party reviewer, WSP, is complete and the third party review concluded that the installed filter underdrains must be removed and replaced. DWR staff have been working with its outside legal counsel to get a schedule for removal and replacement from the General Contractor. Based on the preliminary information shared, the current anticipated completion date of the project is fall 2026. DWR staff continue to work with the General Contractor to finalize the completion dates for the contract.

The General Contract's Substantial Completion Date was extended to December 2, 2024, via Change Order 6. Change Order 7 has been processed to purchase Builder's Risk insurance, but did not change the completion dates.

The table below shows the change orders signed to date on the Biota WTP Contracts.

Contract	Change Orders (CO)	Value of COs	Total Contract Cost	CO Percent of Contract
General	7	\$ 1,233,300.92	\$ 39,060,500.92	3.3%
Electrical	5	\$ 671,921.71	\$ 7,260,302.71	9.3%
Mechanical	6	\$ 154,461.62	\$ 5,068,668.62	3.0%
UV	1	\$ -	\$ 707,125.00	0.0%
DAF	3	\$ (40,709.50)	\$ 1,803,160.50	-2.3%

Due to the delay in the Substantial Completion of the facility, DWR staff have been in communication with the electrical service provider, Ottertail Power Company, to determine a path forward to comply with the signed electrical service agreement for the facility.

NAWS Contract 4-4B/5-4B Bottineau Reservoir and Booster Pump Station

The Bottineau and Souris Reservoir and Pump Stations contracts consist of a one million-gallon ground storage reservoir and pump station at the intersection of State Highways 5 and 14 south of Souris and a three million-gallon ground storage reservoir and pump station roughly four miles west of the connection to Bottineau. The final pipeline contract climbs roughly 300 feet in elevation from the location of the Souris Reservoir and Pump Station to the connection to Bottineau. The final design flows for both the City of Bottineau and All Seasons Water Users District northwest of Bottineau will require both storage and pumping to meet water demands. Bids were opened February 7, 2023, for the Bottineau reservoir and pump station. At the February 13, 2023, SWC meeting, the Commission authorized the Secretary to award the contracts.

The reservoir contract achieved Substantial Completion November 8, 2024. Three change orders totalling \$11,744.00 were added to the contract. Final payment has been made and the contract has been closed out.

The pump station contract achieved Substantial Completion February 19, 2025. To date, five Change Orders totalling a decrease of \$1,695.81 have been added to the Bottineau Pump Station Contract. Administrative items and punch list items remain before the contract can be closed out.

SA 98 Construction of NAWS Pressure Reducing Station and Isolation Vault Improvements:

This contract is closed out.

Radio Upgrades in the Bottineau Segment:

DWR staff directed Houston Engineering and Preferred Controls Inc., to develop invitation for bid for completing communication system improvements in the Bottineau Segment. *Informal quotes from 4 contractors were requested to complete the work as the cost for this work was estimated to be less than the public improvement threshold of \$250,000. Two quotes were received. The initial quotes received had a high mark up for materials. So, DWR staff executed the contract with Main & Holmes Electric just for installation while the materials necessary will be procured directly by DWR.*

RH:SSP/237-4

TO: Lt. Governor, Michelle Strinden
Members of the State Water Commission
FROM: Reice Haase, Secretary
SUBJECT: SWPP – Project Update
DATE: November 26, 2025



Updates from last Commission meeting memo are shown in bold italics.

Supplementary Raw Water Intake:

With the mediated settlement complete for Southwest Pipeline Project (SWPP) Contract 1-2A, the Department of Water Resources (DWR) team is fully focused on planning a project needed to complete the supplementary intake for the SWPP. Under an open records exemption status, BW/AECOM was authorized to develop a Preliminary Design Report (PDR) for completing the supplementary intake. As part of the PDR effort, multiple intake alignments within Renner Bay will be evaluated to identify the option that carries the least risk while remaining cost-effective.

Existing Intake Capacity Expansion:

BW/AECOM has been active in developing bid ready documents for this project. This project will replace pumps inside both Basin Electric Power Cooperative (Basin) and the SWPP pump stations to take advantage of the amended agreement with Basin that allocated increased capacity to the SWPP. Given the long lead times and the costs for the specialized equipments; such as the pumps, Variable Frequency Drives (VFDs) and electrical components, DWR staff is working with BW/AECOM and the state's procurement office to issue invitation for bids for equipment procurement ahead of the construction contract bid.

Distribution Capacity Expansion:

Southwest Water Authority (SWA) and State Water Commission (SWC) implemented a three-pronged plan to meet the distribution capacity needs of SWPP. The three prongs include:

- Prong 1. Improvements to the transmission facilities from the Ray Christenson Pump Station to the first tanks in the distribution system, which were completed in 2022. The West Zone Transmission improvements which were added to Prong 1 in 2022.
- Prong 2. Addressing the waiting list users by implementing hydraulic improvements like booster pump station, parallel piping, and water reservoirs at strategic locations.
- Prong 3. Canvassing targeted service areas for users interested in signing up for rural water and design a rural distribution system for those areas.

Prong 1 - West Zone Transmission Improvements:

The West Zone transmission improvements include main transmission pipeline improvements, improvements to the Ray Christensen, Fryburg, and Beach pump stations, and a new reservoir west of Medora.

At the October 2024 SWC meeting, moving forward with developing bid ready documents for the design with the next nominal pipe size above identified needs with 25 percent additional capacity design was approved. Since the October meeting, SWPP's consultant engineer Bartlett & West/AECOM (BW/AECOM) was requested to provide a phasing analysis for completing construction of the West Zone capacity expansion. This is a necessary step to determine the implementation plan for building out the infrastructure needed in the West Zone with budget constraints.

BW/AECOM has submitted the draft of the West Zone Preliminary Design Report (PDR) which included the phasing analysis. The draft PDR is under review. The draft PDR notes that pump upgrades at the Ray Christensen Pump Station alone would provide an incremental capacity beyond the current allocation to Belfield reservoirs. The infrastructure improvements necessary to provide that increase in capacity throughout the West Zone is shown below as Table 1 and is recommended to be completed as Phase 1 of the West Zone Main Transmission improvements. The anticipated schedule to complete the necessary Phase 1 infrastructure improvements is shown below as Figure 1.

After Phase 1 is completed, the remaining infrastructure improvements can be implemented based on needs and funding availability. All Phase 1 improvements are components of the planned ultimate build out for West Zone.

DWR staff will work with BW/AECOM in developing Specific Authorizations (SAs) for these projects, consistent with the schedule shown in Figure 1

Table 1: West Zone Main Transmission Phase 1 Improvements

WEST ZONE PHASE 1 IMPROVEMENTS					
FACILITY	RCPS to Belfield Tanks****	Fryburg Booster to Fryburg Tank	Fryburg Tank to Beach Booster	Beach Booster to City of Beach	Total
Design Flowrate (gpm)	1300	1085	Fryburg tank to Medora - 872*** Buffalo Gap SA - 560	432***	
Pipeline Improvements		- 29,000 feet of 14" PVC Parallel	- 23,209 feet of 12" PVC Parallel - 1,893 feet Upgrade Pipe Class & Size on Existing 12" PVC		
Other Improvements	- RCPS West Zone Pump Improvements - 4,000 gallon Surge Control Tank	- Fryburg Booster Station Upgrades - 1,500 Gallon Surge Tank - Fryburg Tank Overflow Upgrades	- Valve Modifications to PRV 18-1 - New Mainline Booster 50 HP - New VFD Booster 5 HP - New 500,000 Gal Buffalo Gap Tank	- New 175,000 Gal Ground Storage Tank	
SUBTOTAL*	\$ -	\$ 5,490,000.00	\$ 6,050,000.00	\$ 2,200,000.00	\$ 13,740,000.00
RCPS Upgrades (West Zone)****	\$ 4,750,000.00				\$ 4,750,000.00
TOTAL					\$ 18,490,000.00
* Project Costs assumed 10% Contingency for all improvements. Project costs also include Engineering, Easements, Crop Damages, SCADA, and Power .					
** Flow rate shown is current peak instantaneous flow. Flowrate based on current allocation in hydraulic model.					
*** Flow rate assumes construction of a new service area with the implementation of a new tank. This lowers the transmission design flowrate to serve the existing					
****The estimate includes all improvements associated with the West Zone System. It is assumed upgrades to the building electrical system and HVAC system are necessary with the west zone improvements in RCPS.					

Figure 1: West Zone Main Transmission Phase 1 Improvements Anticipated Schedule

PRELIMINARY SCHEDULE FOR WEST ZONE PHASE 1 IMPROVEMENTS					
	2025	2026	2027	2028	2029
DESCRIPTION					
RCPS TO BELFIELD TANKS PHASE 1 MTL IMPROVEMENTS					
RCPS PRELIMINARY DESIGN REPORT					
RCPS FINAL DESIGN					
RCPS CONSTRUCTION					
FRYBURG BOOSTER TO FRYBURG TANKS PHASE 1 MTL IMPROVEMENTS					
FRYBURG MTL IMPROVEMENTS AND PUMP STATION UPGRADES FINAL DESIGN					
FRYBURG MTL EASEMENTS AND ROUTING					
FRYBURG MTL IMPROVEMENTS AND PUMP STATION CONSTRUCTION					
FRYBURG TANKS TO BEACH BOOSTER PHASE 1 MTL IMPROVEMENTS					
MEDORA MTL IMPROVEMENTS AND BOOSTER STATIONS DESIGN					
MEDORA MTL EASEMENTS AND ROUTING					
MEDORA MTL IMPROVEMENTS AND BOOSTER STATIONS CONSTRUCTION					
BEACH BOOSTER TO CITY OF BEACH PHASE 1 MTL IMPROVEMENTS					
GOLVA TANK DESIGN					
GOLVA TANK CONSTRUCTION					

Contract 5-19 Buffalo Gap Reservoir:

Construction progress has been steady and consistent since the contractor arrived in mid-August. The project is near milestone completion as of the writing of this memo. The tank structure erection began in October and was completed in early November. The site piping installation is complete. Testing, disinfection, telemetry controls, and communication work necessary for remote and automated operation remains to be completed.

Project picture below taken on November 5, 2025



Prong 2 - Strategic Hydraulic Improvements:

Following the June 2024 SWC meeting that approved proceeding with final design of the hydraulic improvement project in the north New England Service Area, an SA for completing the bid ready documents for this project was executed with BW/AECOM.

The project bid opening was July and the construction contract with Wagner Construction (Wagner) was signed in September. The project has a completion date of fall of 2026. The booster stations included in the contract are lengthy lead time items.

The project preconstruction meeting was held on October 22 in response to Wagner's construction schedule which included pipe installation yet this fall. Wagner broke ground on November 12 to take advantage of above average November weather and to install as much pipe as feasible. As of the writing of this memo, Wagner is still installing pipe. Pipe installation will comply with cold weather condition provisions which were thoroughly discussed at the preconstruction meeting.

Prong 3 – Rural Distribution System Improvements - Burt and Hebron Service Area Expansion:

In February 2021, SWA voted to proceed with a signup campaign in the Burt and Hebron service

areas including Lake Tschida. SWC concurred with that request in April 2021.

As of November 2025, in the Burt-Hebron service area there are 899 signups with 298 around Lake Tschida and 601 in rural areas. The preliminary design for Burt Hebron Service Area expansion is divided into seven sub areas. The Hebron Service area is divided into Hebron Rural, and North Tschida and Curlew Butte pocket areas. The Burt Service area is divided into Burt Rural, South Tschida, Burt VFD pocket area, and service to Flasher. A map showing the different sub areas is attached. The analysis for service to Flasher is not completed yet.

Following the February 2024 SWC action to increase the maximum cost per Equivalent Service Unit (ESU) limit to \$75,890 within the project's Feasibility Criteria, the SWA took action at their March 2024 meeting. The action focused on a project in the Hebron Rural area while also looking at the potential to develop a smaller project in the Burt Rural area that could be constructed with the \$11.2 million included in the 2023-2025 budget for Burt-Hebron Service Area expansion.

BW/AECOM completed a preliminary design that includes signups that meet the distance of three quarters of a mile, a distance that could be met with a maximum per ESU amount of \$75,980 approved by the SWC in February 2024. Development of bid ready documents for rural expansion in the Hebron Rural area is ongoing, with bidding for the project expected early in 2026.

Recent final design tasks have included a more detailed look at the rural signups that are near or in exceedance of maximum per ESU limits (part of feasibility criteria). The project team continues to discuss options for these signups, typically by requesting additional service units from them or seeking additional sign ups from neighboring properties. Also ongoing is landowner outreach for the purpose of acquiring needed easements.

Metallic Line Replacement and Assessment Progress:

Assessment and evaluation of metallic pipeline to determine the extent of Microbiologically Induced Corrosion (MIC) is continuing. Evaluation includes exploratory excavation to confirm presence or absence of MIC at locations where MIC are suspected to be likely. SWA hired BEK to conduct these exploratory excavations at ten locations, about ten miles southwest of Dodge in the fall of 2024. The excavation revealed MIC consistent with what has been observed before. With this information, another metallic pipe replacement project needs development.

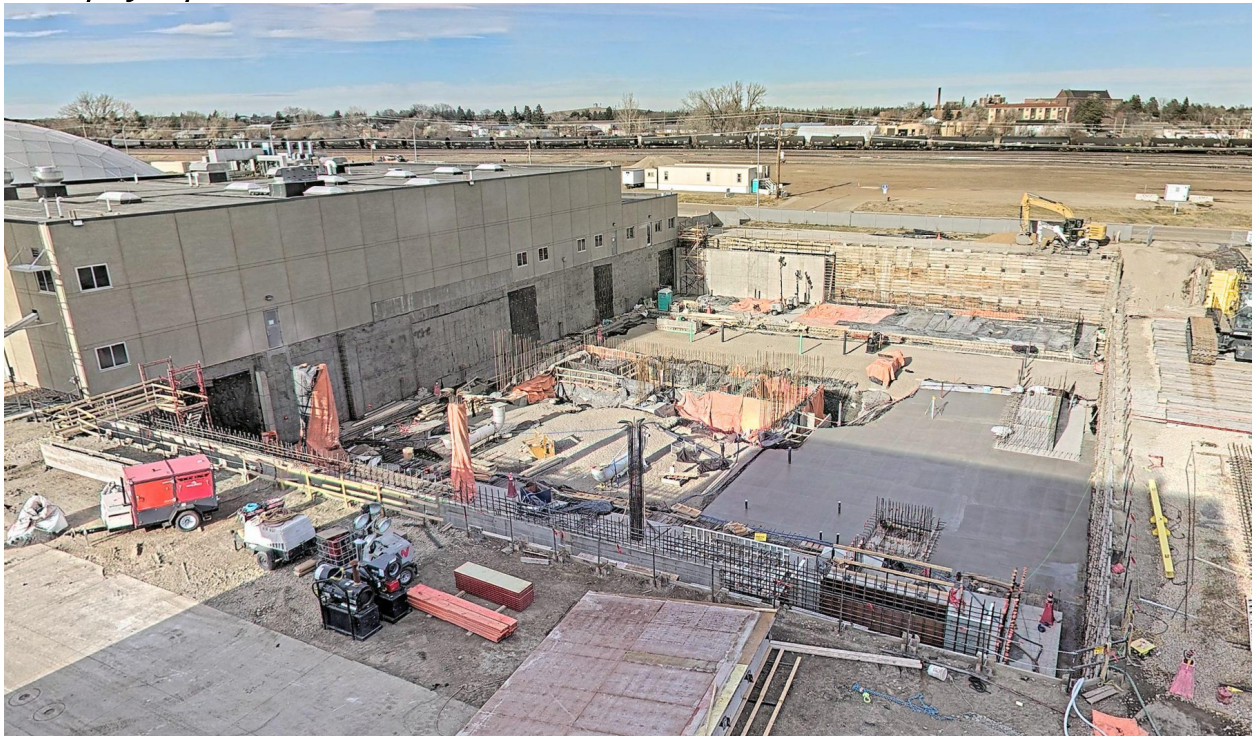
At the February 2025 SWC meeting, SWC approved a policy whereby the DWR would be the lead agency for managing replacement of Capital Projects.

An SA for developing bid ready documents has been executed with BW/AECOM and progress is being made. The pipeline needed for this project is expected to be procured separately ahead of the construction bid.

Southwest Water Treatment Plant (SWTP) Expansion:

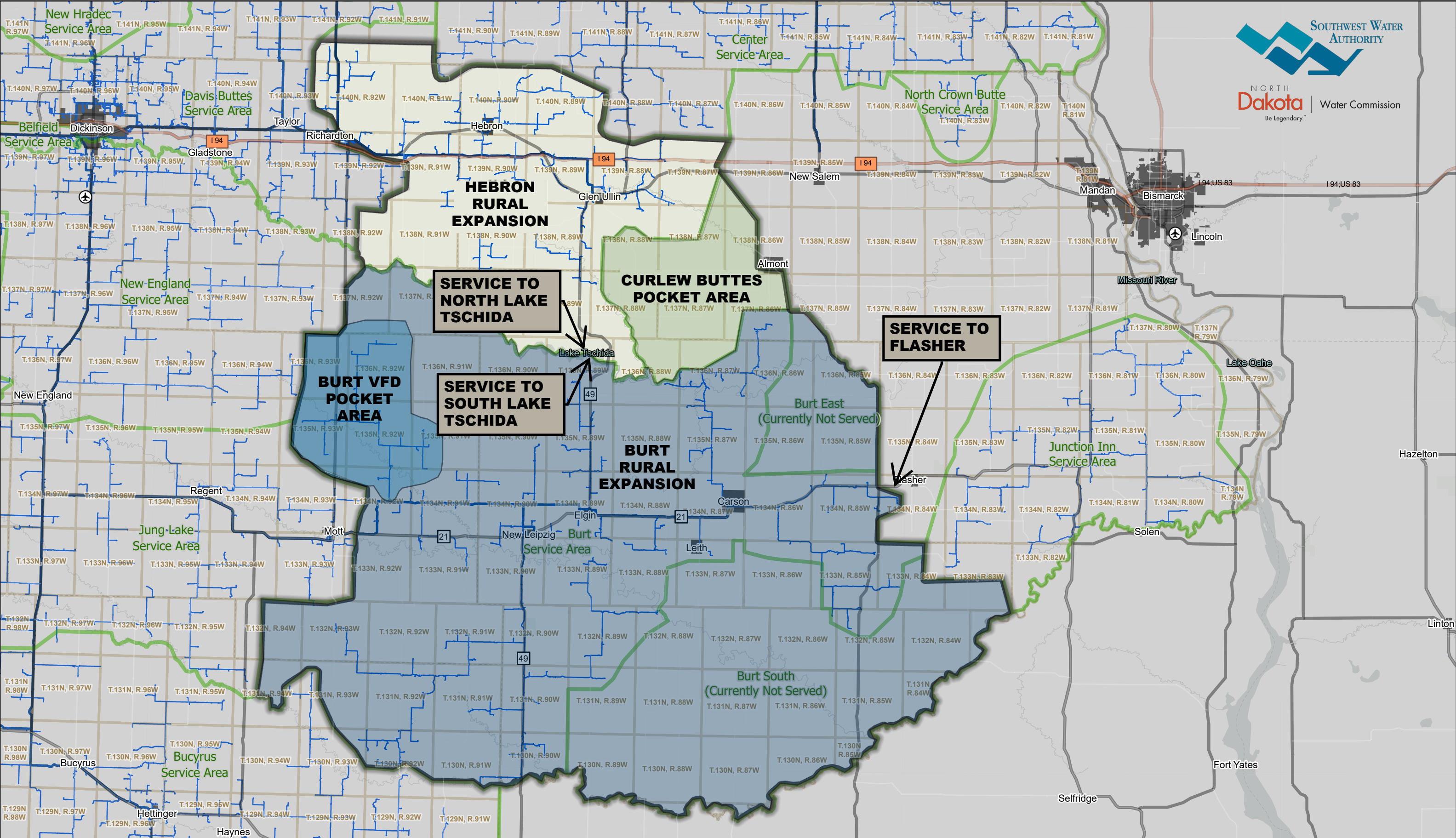
The basement-level concrete structure has been the primary focus of the project since early October. To date, there have been dozens of concrete pours, with many more remaining to complete this portion of the work. It is a particularly busy phase of the project, with numerous crew members and significant equipment resources dedicated to the ongoing pours. This activity also includes coordination with the mechanical and electrical trades to ensure that conduit, plumbing, and other concrete penetrations are installed in accordance with the plans.

SWTP project picture below taken on November 23, 2025



RH:JF:/1736-99

Attachment



NORTH
Dakota | Water Commission
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Southwest Pipeline Project BURT, HEBRON EXPANSION

Bartlett & West | **AECOM**

MEMORANDUM

TO: Governor Kelly Armstrong
State Water Commission
CC: Director Reice Haase
FROM: Matthew Sagsveen, Assistant Attorney General
SUBJECT: State Water Commission Litigation Update
DATE: November 24, 2025 (for December 16, 2025 meeting)

STATE WATER COMMISSION LITIGATION

NA

Other cases of interest

WOTUS – The original ND WOTUS case (Obama rule) was on hold until recently, but all Parties have agreed to dismiss the case. North Dakota brought a new case over the new rule (Biden rule) in conjunction with several other states, including West Virginia, Iowa, and Georgia. Preliminary injunction granted in North Dakota, so we are operating under the 1985 regulations. New amended rule has been published. States filed an amended complaint on November 13, 2023. The States moved for summary judgment on February 26, 2024.

The Court has stayed the case at the request of the federal government. There is no change to report on the case, but the EPA and the Corps announced a proposed rule on November 17, 2025. The period for public comment ends on January 5, 2026.

MHA Litigation – The Dept. of Interior has issued a new M-opinion (its 4th) alleging MHA, rather than the State, owns the Missouri River through the Fort Berthold Reservation reservation. The Federal Government is now bringing a Quiet Title action in the D.C. District Court against the State to determine who owns the riverbed, which the State has been asking them to do for several years. Because of jurisdictional issues with suing the tribe or the federal government, the federal government suing us is the cleanest way to get final resolution to the issue. **MHA continues to have a pending Motion for Judgment on the Pleadings in front of the Court. MHA believes there are no facts in dispute regarding ownership of the Missouri River, and that MHA is entitled to judgment as a matter of law. The State opposed MHA's Motion. The federal government filed a Motion for Summary Judgment on January 17, 2025, and the State has filed its response. Motion continues to be pending.**

Federal Emergency Management Agency National Flood Insurance Program – Risk Rating 2.0 – State Plaintiffs, including North Dakota, filed a lawsuit against the various Federal Defendants, including FEMA, on June 1, 2023. The suit challenges the constitutional, statutory, and procedural validity of FEMA's price methodology known as "Risk Rating 2.0." The Plaintiffs alleged Risk Rating 2.0 fundamentally changes how FEMA calculates rates for federal flood insurance and is producing alarming results. In the nine-count Complaint, Plaintiffs assert Risk Rating 2.0 is (1) contrary to law in four different ways; (2) arbitrary and capricious for failing to account for important aspects of the problem and considering other inappropriate factors; (3) arbitrary and capricious for failure to consider reliance interests; (4) arbitrary and

capricious for departing from prior policy without sufficient justification; (5) arbitrary and capricious because it rests on pretextual bases; (6) in violation of the APA's notice-and-comment requirement; (7) in excess of FEMA's statutory authority; (8) contrary to a constitutional right; and (9) in violation of the National Environmental Policy Act ("NEPA"). Plaintiffs are asking the Court to declare and hold that Risk Rating 2.0 is unlawful and to preliminarily and permanently enjoin Defendants from imposing Risk Rating 2.0.

The case was stayed during the government shutdown, but the district court has reopened the case and given the parties until November 28 to submit a scheduling order to the court.

MEMORANDUM

TO: Governor Kelly Armstrong
State Water Commission
CC: Director Reice Haase
FROM: Matthew Sagsveen, Assistant Attorney General
SUBJECT: Department of Water Resources (DWR) Litigation Update
DATE: November 24, 2025 (for December 16, 2025 meeting)

DEPARTMENT OF WATER RESOURCES (DWR) LITIGATION

Case: Whiting Oil and Gas Corporation v. Arlen A. Dean, et. al. (27-2016-CV-00040)
Date Filed: January 25, 2016
Court: McKenzie County District Court
Judge: Robin Schmidt
Attorney: Matthew Sagsveen (OSE)
James Wald (Land Board)
Opposing
Counsel: Paul Forster, Kevin Chapman, Bruce Selinger, Peter Morowski, Lawrence Bender, Shane Hanson, Josh Swanson, Numerous pro se defendants

CONSOLIDATED WITH

Case: State of N.D. ex. rel. N.D. State Engineer v. Leland, et al. (27-2019-CV-00312)
Date Filed: July 10, 2019
Court: McKenzie County District Court
Judge: Robin Schmidt
Attorney: Matthew Sagsveen (OSE)
Opposing
Counsel: Kevin Chapman, Ari Johnson

Issues: Whiting filed an interpleader action for lands underlying a spacing unit located near the Montana border for which the Yellowstone River runs through. Whiting was requesting that the Court determine ownership of certain property interests for the spacing unit so that Whiting could correctly distribute the royalties from an oil well located in the unit. Specifically, there are islands contained within the river for which Whiting was unable to determine ownership.

The State of North Dakota filed a quiet title action in October 2019, seeking to quiet title to three islands in the Yellowstone River and the bed of the River in this segment (collectively the “Disputed Lands”), in the same area questioned by Whiting.

The State District Court bifurcated the case into two phases. The first phase was intended to address issues related to property boundaries and ownership of the Disputed Lands. The following issues were considered by the Court in Phase One: 1) Was the Yellowstone River navigable at statehood; 2) How did the West Bank (Island) form and who owns it; 3) How did the North Island/Melland form and who owns it;

4) How did the South Island/Walker form and who owns it; 5) Are the State's claims barred by laches?

After a 4-day bench trial for Phase 1, the Court made the following conclusions of law: 1) The Yellowstone River segment contained in North Dakota's borders was navigable at Statehood; 2) The Yellowstone River's OHWM as stipulated by the parties is adopted by the court; 3) the West Bank is owned by the State; 4) The North Island is not owned by the State; 5) The South Island is owned by the State; and, 6) The State's claim is not barred by laches.

Phase 2 of the case was intended to address whether the State conveyed any of its interest in the Disputed Lands and resolve all title issues. The Defendant landowners moved for summary judgment in July 2024, arguing the State was estopped from asserting that it owned the West Bank, because the State deeded three riparian lots on the east bank of the Yellowstone River in 1950 through a Special Warranty Deed issued by the State Treasurer. The landowners also argued there were no facts in dispute.

The Special Warranty Deed in question conveyed three riparian lots on the east bank of the Yellowstone River, and expressly stated the conveyance was subject to erosion by the River. The State opposed the Defendants' Motion, arguing that the Deed could not have conveyed the West Bank (Island) because the Yellowstone River was the western boundary of the riparian lots, that much of the lots had eroded into the River at the time of the conveyance, and there was a factual dispute regarding what the deed conveyed.

The District Court granted the Defendant landowners' motion for Summary Judgment, holding that the Special Warranty Deed was unambiguous, and also appearing to hold that the riparian lots extended across the east bank of the Yellowstone River, across the West Bank, and to the North Dakota state line.

**Current
Status:**

The DWR filed a Notice of Appeal with the North Dakota Supreme Court. The DWR is appealing the District Court's holding that the State does not own the "North Island" and that the State conveyed the West Bank through a Special Warranty Deed in 1950. Landowner Norby has filed a Cross-Appeal to appeal the District Court's holding that the West Bank is an island that was owned by the State. The DWR has filed its appellate brief and Norby's brief is due on December 26.

Case: **North Dakota Office of the State Engineer and North Dakota Board of University and School Lands v. Bureau of Land Management**

Date Filed: April 25, 2016

Court: North Dakota Federal District Court

Attorney: Phil Axt, Matthew Sagsveen

Opposing

Counsel: Unknown

Current

Status: In 2014, the Bureau of Land Management resurveyed land along the Missouri River to locate the boundary between public domain land owned by the United States and the riverbed owned by the State of North Dakota. The boundary between riparian land and the riverbed is the ordinary high watermark. The Office of State Engineer and Board of University and School Lands appealed the decision of the Bureau of Land Management to officially file the Supplemental Plats of Survey posted and described in the Federal Register on July 8, 2014. The land is located in Fifth Principal Meridian, Township 154 North, Range 98 West. A Statement of Reasons was filed in June 2016.

We received an unfavorable opinion from IBLA on March 25, 2020. Land Board and State Engineer have appealed by filing Complaint in Federal District Court. As anticipated and agreed to by all parties, this case was put on an immediate stay because the legal issue to be resolved is already being litigated in another case before the court.

This case is on hold at the time this memo was drafted.