

RED RIVER VALLEY COMMITTEE

**Fargo Commission Building
Meadow Lark Room**

June 26, 2025

**3:15 p.m. or
Upon Adjournment of LAWA Board Meeting**

A G E N D A

- 3:15 p.m. I. Call to Order & Roll Call – Jason Siegert & Lisa Schafer
- 3:16 p.m. II. Consideration of Minutes – Jason Siegert
 - A. **>April 16, 2025**
- 3:17 p.m. III. Red River Valley Water Supply Project
 - A. >Work Plan & Construction Update – Kip Kovar
 - B. >2023-2025 Biennium Work Plan/Budget – K. Kovar/K. Ronnekamp
 - C. >2025-2027 Draft Biennium Work Plan/Budget – Kip Kovar/Kurt Ronnekamp
 - D. Interim Financing Agreement Series F – Merri Mooridian
 - E. >Program Schedule – Kip Kovar
 - F. Draft Operational Planning Responsibilities – Paul Boersma
 - G. James River Modeling – Paul Boersma
 - H. User Engagement Update – Steve Burian
 - 1. >Prospective Users Update
- 4:30 p.m. IV. Adjourn

Items in bold require action

*** Requires a roll call vote**

The following minutes are in draft form subject to review and approval by the Red River Valley Committee at its next meeting.

25-01

GARRISON DIVERSION CONSERVANCY DISTRICT

RED RIVER VALLEY COMMITTEE

**City Commission - Meadow Lark Room
 Fargo, North Dakota
 April 16, 2025**

A meeting of the Red River Valley Committee was held at the Fargo City Commission, Fargo, ND, on April 16, 2025. The meeting was called to order by Chairman Siegert at 1:00 p.m.

MEMBERS PRESENT

Board Chairman Jay Anderson
 Committee Chairman Jason Siegert
 Director Dave Anderson
 Director Greg Bischoff
 Director Jeff LeDoux
 Director Ken Vein
 Secretary Duane DeKrey

MEMBERS ABSENT

Garrison Diversion staff members and others were also present. A copy of the registration sheet is attached to the minutes as Annex I.

The meeting was recorded to assist with compilation of the minutes.

AGENDA

Motion by Director LeDoux to approve adding Red River Valley Water Supply Project (RRVWSP) Operations Update to the meeting agenda following Item III, F. Second by Director Bischoff. Upon voice vote, motion carried.

CONSIDERATION OF MINUTES

Motion by Director J. Anderson to dispense with a reading of the November 27, 2024, Red River Valley Committee minutes and approve them as distributed. Second by Director Vein. Upon voice vote, motion carried.

RED RIVER VALLEY WATER SUPPLY PROJECT (RRVWSP)

Construction Review - - Kip Kovar, Deputy Program Manager, RRVWSP Engineering, Garrison Diversion, reviewed the progress made on the various RRVWSP pipeline construction contracts.

Contract 5B - Task Order 5532, Change Order No. 6

Mr. Kovar referred to Change Order No. 6, stating this change order results in a \$918,029 contract price addition. The contractor is Garney Construction.

Major items are stock piling restoration, dewatering, road maintenance, drain tile replacement and a 25-day schedule extension.

A copy of the change order is attached to these minutes as Annex II.

Contract 5C - Task Order 5533, Change Order No. 1

Mr. Kovar referred to Change Order No. 1, commenting this is a no cost impact change order and no time extension. The contractor is Oscar Renda Contracting.

Road maintenance costs are running over; however, costs on artificial trench foundation are running under budget.

Mr. Kovar said in the bid document, an allowance of \$440,000 was included, which has not yet been used. The recommendation is to move this funding over to the road maintenance line item.

A copy of the change order is attached to these minutes as Annex III.

Motion by Director J. Anderson to recommend approval of Change Order No. 6 on Task Order 5532, Contract 5B, with Garney Construction in the amount of \$918,029.08 and Change Order No. 1 on Task Order 5533, Contract 5C, with Oscar Renda Contracting at a zero-cost impact to the full board. Second by Director D. Anderson. Upon voice vote, motion carried.

Work Plan Update

Mr. Kovar referred to the RRVWSP Work Plan Update dated March 6, 2025, which summarizes ongoing construction projects. A copy of the update is attached to these minutes as Annex IV.

Contracts to date add up to \$270.6 million. Change orders total (\$332,709) for a revised contract price of \$270.2 million.

2025 Construction Outlook - - Mr. Kovar reported work will continue on Contracts 5B, 5C and 5D this summer. Work will also begin on Contract 6A. Contracts 6B, 6C, 7A and 7B are shovel ready depending on funding received from the legislature. A portion of Contract 4 would also be ready if funding is available.

Mr. Kovar informed the committee as of this week, all the right-of-way from Carrington to the outlet has been secured.

Mr. Kovar stated this year the expectation is to install 13.5 miles of pipeline based on five months of work, six days a week, 550 feet a day across all the projects.

Moving forward, an average of over 15 miles of pipe needs to be installed per year if the RRVWSP is to be finished on time.

Mr. Kovar reported work is proceeding on the railroad permit application for Contract 6B.

Mr. Kovar also reported the engineering team is working on renewal of the discharge permit from the State Health Department, which is expiring in the fall.

Approval of Contract Plans and Specifications

Contract 6B/6C and Contract 7A/7B

Mr. Kovar reported the engineering team is proposing a plan to bid and award pipeline Contracts 6B/6C and 7A/7B this spring pending emergency authorization and adequate funding by the State Water Commission (SWC).

Mr. Kovar said a recommendation to the LAWA board approving the plans and specifications on these contracts is needed from the committee in order to move forward with bid advertising.

Mr. Kovar added a lot of things need to take place in quick fashion in order to access the emergency funding right away. If things work out as planned, advertising would take place in May. Bids would be opened and awarded in July, and the notices to proceed would be issued in August. The local cost share is also needed in order to accomplish all of this.

Mr. Kovar pointed out if advertising and bidding happen this spring, work could potentially begin on these contracts yet this fall.

Mr. Kovar stated hopefully the committee has had a chance to review the plans and specifications for segments 6 and 7 that were previously sent to the committee. Another week can be provided for review if needed.

Contracts 6B/6C are about 17.6 miles combined, and 7A/7B are 13.6 miles. Total length of the pipeline is 31.2 miles. In that 31.2 miles, there are eight trenchless crossings and a fairly significant length of tunneling work. The overall estimated cost per the engineering team is \$262 million, which averages out to approximately \$8.4 million per mile. The cost that was carried in the program estimate was \$232 million, which is up \$30 million on the estimate from the program cost.

Motion by Director Bischoff to recommend authorizing the plans and specifications for RRVWSP Contracts 6B/6C and 7A/7B be advertised for bid to the full board. Second by Director Vein. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, LeDoux, Siegert and Vein. Motion carried.

MR&I/ENDAWS Task Orders - - Mr. Kovar explained the following task orders are related to Interim Finance Agreement Series E. The funding is coming from the Federal MR&I Grant Program for these task orders and can only be used for ENDAWS and design. Funding totals approximately \$6 million and includes the local cost share from Series E.

Task Order 2150 McClusky Canal Hydraulic & Water Quality Investigation

Mr. Kovar presented Task Order 2150, which is for study and conceptual design associated with the McClusky Canal as part of the ENDAWS Project. The benefit of this task order will be to develop conceptual designs to address hydraulic limitations, an overall operating plan for the McClusky Canal, and a cost for operations that will be integrated with the overall project operating plan and costs. A breakdown of the cost was provided. The fee for this task order is \$443,000. A copy of the task order's executive summary is attached to these minutes as Annex V.

Task Order 2350 McClusky Canal Intake Pumping Station Wetwell and BWTP Site Development, Contract 1, Final Design Services and Bidding Assistance

Mr. Kovar reviewed Task Order 2350, which is for design and bidding services associated with the McClusky Canal Intake Pumping Station wetwell structure, BWTP site development and access roads. The benefit of this task order is to allow construction to start at the BWTP site. A breakdown of the cost was provided. The fee for this task order is \$877,000. A copy of the task order's executive summary is attached to these minutes as Annex VI.

Task Order 3150 ENDAWS BWTP Piloting and Treatability Study

Mr. Kovar reviewed Task Order 3150, which is for pilot testing and treatability studies for the BWTP as part of the ENDAWS Project. The pilot testing will result in final recommendations for equipment sizing, operating parameters, and chemical use for the final design. A cost breakdown was provided. The fee for this task order is \$872,000. A copy of the task order's executive summary is attached to these minutes as Annex VII.

Task Order 3220 ENDAWS Facilities Supplemental Geotechnical Investigation

Mr. Kovar reviewed Task Order 3220, which is for a supplemental geotechnical investigation associated with the McClusky Canal Intake and Pumping Station, the BWTP and the McClusky Main Pumping Station as part of the ENDAWS Project. The borings will be used to support design of access roads, the re-grading of the canal embankment by the McClusky Canal Intake, and foundations of the BWTP, the McClusky Canal Intake Pumping Station, McClusky Main Pumping Station, and other facilities and appurtenances located on the common site. In addition, geotechnical borings will be completed on the proposed Ground Storage Reservoir site, which have not been completed to date. A cost breakdown was provided. The fee for this task order is \$886,000. A copy of the task order's executive summary is attached to these minutes as Annex VIII.

Task Orders 5315 ETP, Contract 1 and 5325 ETP, Contract 2, Partial Final Design Services

Mr. Kovar presented Task Orders 5315 and 5325 for 90 percent design of the ENDAWS Transmission Pipeline (ETP) Contracts 1 and 2, which are the last two segments of the RRVWSP pipeline. Contract 1 is an 11-mile segment with four trenchless crossings of wetland easements. Contract 2 is a 10-mile segment of pipeline with one trenchless crossing. A cost breakdown was provided. The fee for Task Order 5315 is \$1,950,000 and \$1,780,000 for Task Order 5325. Copies of the task orders' executive summaries are attached to these minutes as Annexes IX and X.

25-05

Motion by Director D. Anderson to recommend approval of Task Orders:

2150 McClusky Canal Hydraulic & Water Quality Investigation	\$ 443,000
2350 ENDAWS Facilities Site Development, Contract 1	\$ 877,000
3150 ENDAWS BWTP Piloting & Treatability Study	\$ 872,000
3220 ENDAWS Facilities Supplemental Geotechnical Investigation	\$ 886,000
5315 ENDAWS Transmission Pipeline Contract 1	\$1,950,000
5325 ENDAWS Transmission Pipeline Contract 2	<u>\$1,780,000</u>
TOTAL	\$6,808,000

to the full board. Second by Director LeDoux. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, LeDoux, Siegert and Vein. Motion carried.

2023-2025 Biennium Work Plan/Budget - - Mr. Kovar referred to the revised RRVWSP 2023-2025 Biennium Work Plan dated April 8, 2025, pointing out the highlighted items indicate where the budget changes will take place due to the task orders just presented. A copy of the work plan is attached to these minutes as Annex XI.

Motion by Director LeDoux to recommend approval of the revised 2023-2025 RRVWSP Biennium Work Plan/Budget to the full board. Second by Director J. Anderson. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, LeDoux, Siegert and Vein. Motion carried.

2025-2027 Biennium Work Plan/Budget - - Mr. Kovar referred to the Draft RRVWSP 2025-2027 Biennium Work Plan contained in the meeting packet. Since there have been different levels of funding discussed, this draft work plan has been color coordinated. The green is referred to as the base option, and by adding up these items, it is very close to a \$200 million budget, which is the state and local share. Green and blue lines get you to a \$266 million budget, which would be adding another pipeline contract. Adding the orange, green and blue comes roughly to \$300 million, which is close to the legislative intent. If you were to add up all the colors, should there be extra funding, the total budget is \$346 million. A copy of the draft 2025-2027 biennium work plan is attached to these minutes as Annex XII.

Operations Update - - Paul Boersma, Black & Veatch, distributed a matrix sheet listing the following categories relating to RRVWSP operations: 1) operations and assumptions, 2) project governance, 3) water supplies 4) pipeline, and reservoir operations, 5) water accounting, 6) 2021 drought support and 7) asset management. Each category was broken into phases according to biennium.

Mr. Boersma added there have been discussions on operations at most of the LAWA TAC meetings for the past three to four years. In addition, an Operational Planning Subcommittee (OPS) was formed to get even further into the operational details.

Mr. Boersma focused on the seven categories of the matrix, which are many times the discussion topics at the TAC and OPS meetings, and explained what each means, how they work and what has been completed or is being proposed to be completed in each of the phases. A copy of the matrix is attached to these minutes as Annex XIII.

Tami Norgard, Vogel Law Firm, commented when structuring of the Project Participation Agreement (PPA) began, there were a series of meetings in Mayor Mahoney's office, inviting representatives from the cities of Fargo and Grand Forks. The meeting attendees would come into those meetings with a number of questions to run by the users asking them how they could foresee the RRVWSP working. All of that was woven into how the PPA was structured, including part of the operating plan, which began in 2018-2019.

Steve Burian, Burian & Associates, pointed out the matrix is dated February 2, 2024. What is shown in orange was originally proposed to be completed in 2023. These items were delayed due to budgetary and strategic purposes.

Interim Financing Agreement Series F - Merri Mooridian, Deputy Program Manager, RRVWSP Administration, Garrison Diversion, indicated the next interim financing agreement will be Series F used to match the local 25 percent of whatever amount comes out of the state legislature. Series F is for the RRVWSP 2025-2027 biennium funding, which could be between \$150 million to \$260 million. The work plan was explained by Mr. Kovar earlier today, including bidding for Contracts 6B/6C and 7A/7B. If the Garrison Diversion/LAWA boards approve awarding the contracts by July 18, a notice to proceed needs to be issued by August 7. This means work needs to begin on Series F, which Ms. Norgard has begun drafting and will be sharing it with LAWA's attorney.

Ms. Mooridian stated if the LAWA board approves moving forward with bidding on Contracts 6B/6C and 7A/7B at its meeting today, a cost share application and Water Infrastructure Loan Fund (WIRLF) request will be submitted to the SWC following approval by the Garrison Diversion board next week. She reviewed a timeline to be followed for the Series F agreement if the contracts are let. The application for cost share and WIRLF funds will be submitted to the SWC on April 25 for consideration at their June 12 meeting.

Ms. Mooridian added to keep on the draft construction contract bidding schedule, the month of June is when all of the Series F participating systems need to approve and sign that agreement. LAWA would approve Series F at its July 2 meeting and Garrison Diversion would approve it on July 17, along with the bond resolution.

Program Schedule - Mr. Kovar next referred to the RRVWSP Program Schedule dated March 5, 2025. Contract 6A has been updated with construction beginning this summer. Contracts 6B, 6C, 7A and 7B have also been updated anticipating bidding to start on these contracts soon.

USER ENGAGEMENT UPDATE

Due to a lack of time, the user engagement update was not given. It will be covered during the LAWA Board meeting this afternoon.

25-07

OTHER

The meeting adjourned at 2 p.m.

Jason Siegert, Chairman

Duane DeKrey, Secretary

REGISTRATION

RED RIVER VALLEY COMMITTEE MEETING
Fargo Commission Building, North Dakota

April 16, 2025

NAME	ADDRESS
Lisa Schaper	Moeda
Jason Siegent	GP CD
Dwaine G. Fry	GP CD
JEFF Pedou &	"
Ken Vern	"
SHAWN GARDING	AG 2 S
Margi M. Mink	GP CD
Paul Boesman	BV
JAMIE Norgard	Vogel Law Firm
Jay Paul Anderson	GP CD
Gary Bredt	GP CD
Kimberly Cook	GP CD
Steve Dini	B+A
KP Kover	GP CD
Paul Anderson	GP CD
Brent Bogar	AG 2 S / LAW
On Line	
Brent Erickson	AE2S
Steve Metzger	Garrison Diversion
Scott Mehring	Garrison Diversion

CHANGE ORDERChange Order No. 6DATE OF ISSUANCE April 25, 2025EFFECTIVE DATE April 25, 2025Owner: Garrison Diversion Conservancy DistrictContractor: Garney CompaniesProject: Red River Valley Water Supply Project, Transmission Pipeline EastOwner's Contract No.: 5BOwner's Task Order No.: 5532

The Contract is modified as follows upon execution of this Change Order:

Change Order Requests (CORs) Description:

1. COR21: Road Maintenance July 2024	\$13,016.71	8. COR19: Offsite Dewatering Disch July '24	\$133,003.29
2. COR25: Road Maintenance Aug 2024	\$12,868.35	9. COR22: Offsite Dewatering Disch Aug '24	\$115,992.76
3. COR27: Road Maintenance Sept 2024	\$51,755.78	10. COR28: Offsite Dewatering Disch Sept '24	\$115,056.42
4. COR30: Road Maintenance Oct 2024	\$19,780.96	11. COR31: Offsite Dewatering Disch Oct '24	\$180,560.31
5. <u>COR33: Road Maintenance Nov 2024</u>	<u>\$7,841.93</u>	12. COR34: Offsite Dewatering Disch Nov '24	\$71,989.42
<i>Subtotal</i>	<i>\$105,263.73</i>	13. <u>COR36: Offsite Dewatering Disch Dec '24</u>	<u>\$59,997.57</u>
		<i>Subtotal</i>	<i>\$676,599.77</i>
6. COR20: Topsoil Maintenance July 2024	\$13,068.68	14. <u>COR24: Zink Drain Tile Replacement</u>	<u>\$120,001.75</u>
7. <u>COR23: Topsoil Maintenance Aug 2024</u>	<u>\$3,095.15</u>		
<i>Subtotal</i>	<i>\$16,163.83</i>	GRAND TOTAL	\$918,029.08

Attachments: Garney COR Nos. 19 to 25, inclusive, 27, 28, 30, 31, 33, 34, and 36.**CHANGE IN CONTRACT PRICE:**

Original Contract Price:

\$45,961,700.00Increase from previously approved Change Orders No. 1 to 5:\$1,657,639.79

Contract Price prior to this Change Order:

\$47,619,339.79Increase of this Change Order:\$918,029.08

Contract Price incorporating this Change Order:

\$48,537,368.87

(5.6% Increase Over Original Contract Price)

ACCEPTED:

By: _____
Owner (Authorized Signature)Printed: Duane DeKreyTitle: General Manager

Date: _____

CHANGE IN CONTRACT TIMES:

Original Contract Times:

Substantial Completion: September 30, 2023Ready for final payment: November 29, 2023
(days or dates)Increase from previously approved Change Orders No. 1 to No. 5:Substantial Completion: 97Ready for final payment: 97
(days)

Contract Times prior to this Change Order:

Substantial Completion: January 5, 2024Ready for final payment: March 5, 2024
(days or dates)Increase of this Change Order:Substantial Completion: 25Ready for final payment: 25
(days)

Contract Times with all approved Change Orders:

Substantial Completion: January 30, 2024Ready for final payment: March 30, 2024
(days or dates)

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Printed: _____

Title: _____

Date: _____

CHANGE ORDERChange Order No. 1DATE OF ISSUANCE April 25, 2025EFFECTIVE DATE April 25, 2025Owner: Garrison Diversion Conservancy DistrictContractor: Oscar Renda Contracting, Inc.Project: Red River Valley Water Supply Project, Transmission Pipeline EastOwner's Contract No.: 5COwner's Task Order No.: 5533

The Contract is modified as follows upon execution of this Change Order:

Change Description: This change order will move allowance funds from Bid Item 30 – Artificial Trench Foundation (Allowance), which is underrunning estimated quantities included in the Contract Documents (1% used to date with job about 45% complete), to Bid Item 24 – Road Maintenance (Allowance), which is overrunning estimates included in the Contract Documents (92% used to date with job about 45% complete).

Bid Item 24 Increase – Road Maintenance (Allowance) \$440,000.00

Bid Item 30 Decrease – Artificial Trench Foundation (Allowance) (\$440,000.00)

Net Change in Contract Price \$0.00

Attachments: Work Change Directive No. 1.**CHANGE IN CONTRACT PRICE:**

Original Contract Price:

\$76,663,355.00

No previously approved Change Orders:

\$0.00

Contract Price prior to this Change Order:

\$76,663,355.00

No change this Change Order:

\$0.00

Contract Price incorporating this Change Order:

\$76,663,355.00

(0.0% Increase Over Original Contract Price)

CHANGE IN CONTRACT TIMES:

Original Contract Times:

Substantial Completion: May 29, 2026Ready for final payment: July 31, 2026

(days or dates)

No previously approved Change Orders:

Substantial Completion: 0Ready for final payment: 0

(days)

Contract Times prior to this Change Order:

Substantial Completion: May 29, 2026Ready for final payment: July 31, 2026

(days or dates)

No change this Change Order:

Substantial Completion: 0Ready for final payment: 0

(days)

Contract Times with all approved Change Orders:

Substantial Completion: May 29, 2026Ready for final payment: July 31, 2026

(days or dates)

ACCEPTED:

By: _____
Owner (Authorized Signature)Printed: Duane DeKreyTitle: General Manager

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Printed: _____

Title: _____

Date: _____



05.2 Work Change Directive

DATE OF ISSUANCE: 10.22.2024 06:29PM

EFFECTIVE DATE: 10.01.2024

Owner: Garrison Diversion Conservancy District
Contractor: Oscar Renda Contracting, Inc
Contract: Project: Transmission Pipeline East Contract 5C
Owner's Task Order No.: 5533

The Contractor is directed to proceed promptly with the following:

Description:

Bid Item 24 – Road Maintenance (Allowance) in the amount of \$200,000 will be exceeded for road maintenance and repair work directed by Garrison Diversion and/or Black & Veatch. The funds available under this allowance are presently more than 80% spent. Additional funds are therefore necessary for continued road maintenance and repair activities. This WCD directs an increase of the Road Maintenance Allowance by \$440,000 and a reduction of Bid Item 30 – Artificial Trench Foundation (Allowance) by \$(440,000). The quantity under Bid Item 30 shall be reduced from 16,000 cubic yards to 12,000 cubic yards thereby reducing the extended cost the \$(440,000) amount. Less than 1% of Bid Item 30 has been used with nearly 25% of the pipe has already been installed. Black & Veatch expects the actual quantity of rock used for trench bottom stabilization to be a fraction of the allowance quantity.

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes in Contract Price and Contract Times and other stipulations as so included herein, is issued due to:

Non-Agreement on pricing of proposed change.

X Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary)

*Estimated increase or decrease in contract pricing:

- Bid Item 24 Increase: \$440,000.00
- Bid Item 30 Decrease: \$(440,000.00)

Estimated increase or decrease in contract time:

- Substantial Completion: 0 Days
- Ready for final payment: 0 Days

*If the change involves an increase above the amount noted above, the estimated amount is not to be exceeded without further authorization.

Cost of the Work

Define if other

Supporting Documentation:

AUTHORIZED BY:

Kip Konar

DC2F044B3B184FF...

Red River Valley Water Supply Project
Transmission Pipeline East Contract 5C

Work Change Directive Form
10/14/2024

RRVWSP Work Plan Update March 6, 2025

CONSTRUCTION

Pipeline Construction

Contract 5B

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil.

In year one (2022), 7,761 feet of pipe was installed out of the total nine miles. High groundwater slowed the pipe installation progress.

In the second year (2023), 21,120 feet of pipe was installed.

In the third year (2024), using two pipe crews, approximately 18,500 feet has been installed, which completes the pipe installation.

To date, \$37,493,645.10 has been paid on the original contract amount of \$45,961,700.00. Change Orders No. 1, 2, 3 and 4 have been approved, leaving the current contract price at \$46,899,055.88.

Contract 5C

The contract price is \$76,663,355.00 for 8 miles of pipe awarded to Oscar Renda Contracting.

Oscar Renda was not meeting their install targets so a second pipe crew was sent out on July 10. To date, 19,402 feet has been installed. The Kelly Creek tunnel is complete.

To date, \$37,281,590.59 has been paid on the original contract amount of \$76,663,355.00.



Stripping Topsoil



Trench Box w/ Dewatering Pipes

Contract 5D

The contract price is \$61,677,275.00 for 10 miles of pipe awarded to Carstensen Contracting. To date, the contractor has installed 22,725 feet with one pipe crew.

To date, \$28,976,412.48 has been paid on the original contract amount of \$61,677,275.00. Change Order No. 1 has been approved, leaving the current contract price at \$59,375,495.00.



Stored Pipe on Site



Placing Dewatering Pipe

DESIGN

The design team is also working with Reclamation on the location for the BWTP and pump stations.

Bid opening on Contract 6A was held on November 7, 2024. Final design efforts have started on Contracts 7 and 4. Additional geotechnical data is complete.

RRVWSP Awarded Contracts				
No.	Contract Name	Contractor	Bid Price	Final Contract Price
1	Missouri River Intake Wet Well & Site Development	ICS	\$4,989,405.88	\$4,721,446.47
1	Sheyenne River Outlet Discharge Structure & Site Development	Industrial Builders	\$1,516,955.00	\$1,521,884.00
2	Missouri River Intake, Screen Structure & Tunnel	Michels	\$18,896,900.00	\$19,444,156.60
5A	Transmission Pipeline East (TPE)	Garney	\$8,366,201.00	\$8,393,396.44
5B	TPE Carrington to Bordulac	Garney	\$45,961,700.00	
5D	TPE Sykeston to Carrington	Carstensen	\$61,677,275.00	
5C	TPE Bordulac to James River	Oscar Renda	\$76,663,355.00	
6A	TPE James River to McKinnon Township	Carstensen	\$52,528,500.00	



ENDAWS Task Order 2150 – McClusky Canal Hydraulic and Water Quality Investigation

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a task order in the amount of \$443,000 for study and conceptual design associated with the McClusky Canal as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project.

NEED AND BENEFIT

Previous task orders have addressed the operational planning for the ENDAWS/RRVWSP project, including the biota water treatment plant, Lake Ashtabula, other reservoirs, and coordination with the Department of Water Resources, and the U.S. Army Corp of Engineers. To date, there has been no operational planning with the McClusky Canal or cost developed for operating the Canal, even though the costs are expected to be minor compared to the rest of the project. Furthermore, there are known hydraulic limitations to the McClusky Canal delivering the required flows to support ENDAWS, which are not considered significant, but need to be addressed. The benefit of this task order will be to develop conceptual designs to address hydraulic limitations, an overall operating plan for the McClusky Canal, and a cost for operations that will be integrated with the overall project operating plan and costs.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services:

	Fee
1) Task Order Management and Administration	\$58,432
2) Special Project and Third-Party Meetings	\$22,822
3) Data Collection	\$59,702
4) Canal Improvements	\$95,887
5) Draft Operating Plan	\$49,665
6) Canal Water Quality Improvements	\$93,927
7) GIS ArcMap to ArcGIS Pro Conversion	\$62,575
Totals	\$443,000

Special Services: There are no unique or specialized services required under this Task Order.

PROJECT OVERVIEW

This task order authorizes Engineer and its' Consultants to address the following challenges with the McClusky Canal as currently configured.

- The first challenge is water conveyance.** Currently, the Canal cannot convey the approximately 470 cubic feet per second (cfs) of flow necessary to supply all existing canal withdrawals and the future ENDAWS withdrawal as there are several hydraulic limitations that limit water flow in the Canal. This task will evaluate canal hydraulics, ice impacts to canal hydraulics, hydraulic limitations in the Canal, and develop feasibility level designs and capital costs for addressing the hydraulic limitations. The feasibility level design will be used to determine the best contractual method by which Garrison Diversion and/or the U.S. Department of the Interior, Bureau of Reclamation (Reclamation) can complete the hydraulic improvements in the next three years.

**ENDAWS Task Order 2150 – McClusky Canal Hydraulic and Water Quality Investigation**

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY

2. **The second challenge is the lack of a comprehensive canal operating plan.** Currently, a comprehensive, integrated operating plan for the Canal infrastructure and water supply assets does not exist. This task will assess and develop recommendations regarding Canal operations during ice conditions, develop a draft operating plan, and prepare recommendations for Canal operating improvements so that Garrison Diversion has the operational and monitoring control needed for continuous delivery of water in the Canal to the ENDAWS/RRVWSP water intake.
3. **The third challenge is water quality.** The water quality in the Canal is currently of lower quality than Lake Sakakawea and Lake Audubon. Historic studies have been completed by the Reclamation on canal freshening, which will be used as a reference during this study. This task will focus on operations and use of the Painted Woods Outlet, existing and planned Canal withdrawals, and the Snake Creek pumping plant to improve water quality in the Canal. Recommendations will be developed to identify means by which the McClusky Canal water quality can be improved prior to the ENDAWS/RRVWSP startup. These recommendations are expected to build on the recommendations presented in the Draft Operational Plan for the RRVWSP prepared in 2010 for Garrison Diversion by Black & Veatch and AE2S.
4. **Finally, this Task Order includes the migration of ArcGIS Map to ArcGIS Pro.** ArcGIS Map had a customized GDGD GIS tool developed in a programming language called VB.Net. The functionality of the GDGD GIS Tool will be transitioned to a cloud reporting solutions web map application and ArcGIS Pro desktop application.

**ENDAWS Task Order 2350 – McClusky Canal Intake Pumping Station Wetwell and
Biota Water Treatment Plant Site Development Contract 1
Final Design Services and Bidding Assistance**

Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a final design and bidding services task order in the amount of \$877,000 for the design associated with the McClusky Canal Intake Pumping Station wetwell structure, biota water treatment plant site development, and access roads. See figure on next page.

NEED AND BENEFIT

The Task Order advances the preliminary design currently being completed under Task Order 2250 and Task Order 3210 by providing final designs and bidding assistance for the following three parts of the BWTP site:

- Improvement of existing roads and construction of new site access roads (about 3 miles long).
- Mass grading of the site and the adjacent slope going down to the McClusky Canal. About 500,000 cubic yards of soil are expected to be moved.
- Construction of the McClusky Intake Pumping Station wetwell (similar in size to what was done for the Missouri River Intake Pump Station wetwell). The wetwell excavation support system will be a performance-based specification with design provided by the construction contractor. The final liner of the wetwell (aka structural walls) will be completed under a future contract and the detailed design of the liner will be prepared by Engineer.

The benefit of this task order is to allow construction to start at the biota water treatment plant site. Construction of these improvements will occur in 2026. It is expected the McClusky Canal intake and intake tunnel will be constructed in 2027. The full biota water treatment plant construction will start as early as Spring 2028. The estimated cost of the construction for the work of this design is \$12 million.

TASK ORDER SUMMARY

Basic Services: The services to be provided by the engineering team are fully described in the attached Task Order. The following table summarizes the fee for each of the major tasks:

	Fee	% of Construction
Task Order Management and Administration	\$89,241	
Special Project and Third-Party Meetings	\$50,338	
Land Services	\$20,986	
Field Services	\$47,977	
Final Design Services	\$566,681	
Bidding Assistance	\$101,776	
Totals	\$877,000	7.3%

Special Services: There are no special services required of the work of this Task order.

PROJECT OVERVIEW

This project will be located adjacent to the McClusky Canal and the ENDAS BWTP campus site near McClusky, North Dakota. Elements of this final Task Order are:

**ENDAWS Task Order 2350 – McClusky Canal Intake Pumping Station Wetwell and
Biota Water Treatment Plant Site Development Contract 1
Final Design Services and Bidding Assistance**

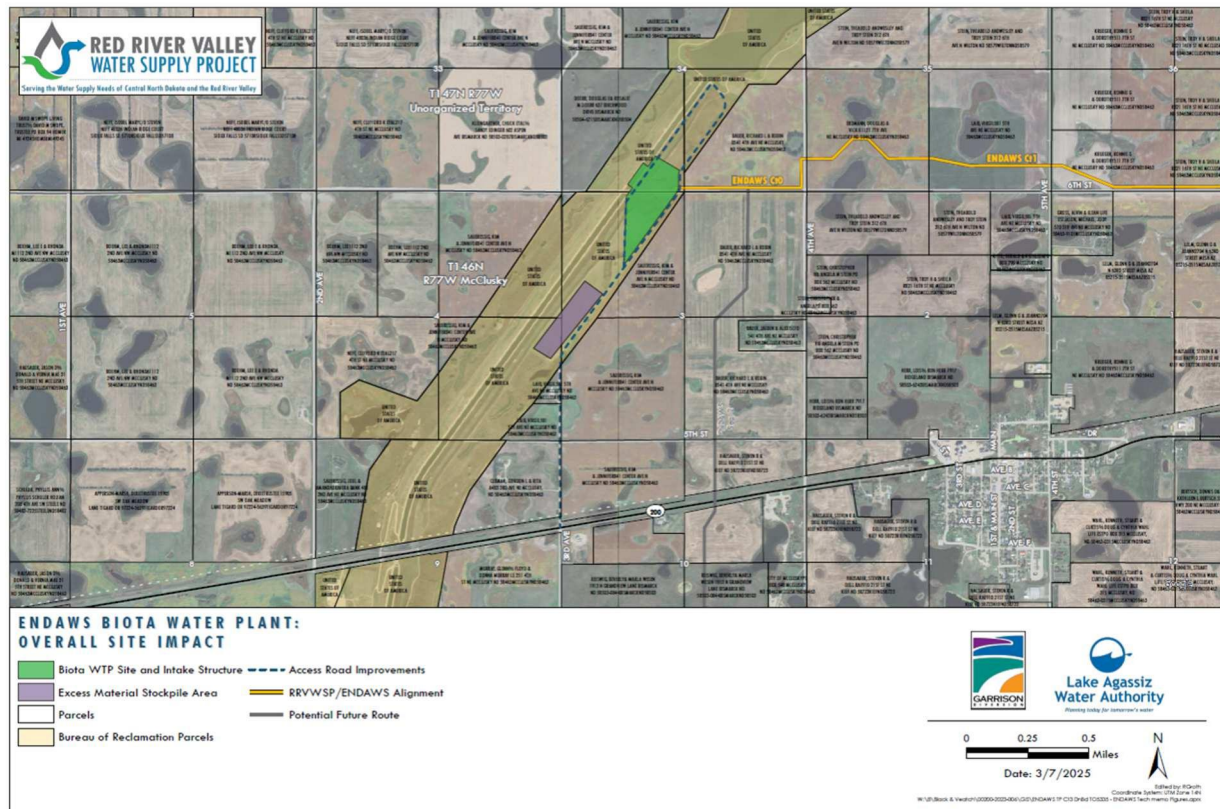
Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

- Supplemental surveying services to complete the design,
- Coordination with counties, townships, and ND DOT,
- Final design of the McClusky Canal Intake Pumping Station wetwell excavation support system, site mass grading, and access roads,
- Coordination with the U.S. Department of the Interior, Bureau of Reclamation,
- Bidding assistance, and
- Post award services, including a pre-construction conference, and drone videography of the site to document existing conditions right prior to construction.

PROJECT SCHEDULE

The Project's design will be complete within 8 months or by January 2026 so the project can be advertised, and a construction contractor can begin work at the start of the construction season on April 1, 2026 weather permitting.





ENDAWS Task Order 3150 – Biota Water Treatment Plant Piloting and Treatability Study

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a task order in the amount of \$872,000 for pilot testing and treatability studies for the Biota Water Treatment Plant as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project.

NEED AND BENEFIT

The task order builds on the preliminary design completed as part of Task Order 3210 by verifying the sizing and treatment efficiencies of proposed treatment processes. The pilot testing will result in final recommendations for equipment sizing, operating parameters, and chemical use for the final design. Pilot testing is a normal part of the design process for a new water treatment plant and is similar to what Fargo performed for its new water treatment plant design. Pilot testing is also a requirement of the U.S. Department of the Interior, Bureau of Reclamation's Record of Decision. Pilot testing and bench scale testing will use water from the McClusky Canal. See photograph on the next page for a representative view of pilot testing unit.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services:

	Fee
1) Task Order Management and Administration	\$30,404
2) Special Project and Third-Party Meetings	\$32,608
3) Pilot Study Protocol	\$33,045
4) Pilot Equipment Procurement	\$259,242
5) Pilot Preparation and Setup	\$123,006
6) Pilot Start-Up and Operation	\$315,958
7) Pilot Decommissioning	\$15,789
8) Pilot Study and Treatability Report	\$61,948
Totals	\$872,000

Special Services: There are no unique or specialized services required under this Task Order.

PROJECT OVERVIEW

Task Order 3210 provided for the completion of preliminary design for the Biota Water Treatment Plant. The Biota Water Treatment Plant consists of turbidity removal, ultraviolet (UV) disinfection, and chlorine disinfection. The primary treatment goal of the plant is to limit the likelihood that Aquatic Invasive Species (AIS) would be transferred from the Missouri River watershed to the Hudson Bay watershed. In the Summer of 2024, Garrison Diversion and Black & Veatch started a water quality Sampling program to determine water quality at various points in the McClusky Canal. It was determined that the water quality degraded significantly further along the canal, and it was recommended that a pilot program be developed to test pretreatment technologies to make sure proper water conditioning prior to irradiation with the UV system.

ENDAWS Task Order 3150 – Biota Water Treatment Plant Piloting and Treatability Study

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY

The objective of this Task Order is to complete an ENDAWS Biota Water Treatment Plant Piloting and Treatability Study verifying the capability of pretreatment technologies to maintain turbidity less than 10 NTU and UVT greater than 70 percent prior to the UV and chlorine disinfection processes. The Task Order will also measure the decay rate of chlorine residual through a series of decay rate tests.

The study will perform pilot testing at two separate locations, representing worst case (startup of the facilities) and normal operating inlet water quality. Pilot testing will be performed on Lake Audubon and along the McClusky Canal near Highway 200. The water quality influent to the pilot at Lake Audubon is expected to be representative of normal operating conditions for the Biota Water Treatment Plant when operating on a regular basis. The water quality influent to the pilot at along the McClusky Canal is expected be representative of initial startup conditions or in situations where minimal flow through the facility has occurred. Pilot testing will include evaluations of all three treatment processes – pretreatment, UV disinfection, and chlorination. The work under this task order will conclude with a pilot study report making final recommendations for process equipment sizing during the plant's final design.

Figure 1 - Representative Pilot Testing Unit



ENDAWS Task Order 3220 – Facilities Supplemental Geotechnical Investigation

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY**REQUEST**

Consideration and approval of a task order in the amount of \$886,000 for a supplemental geotechnical investigation associated with the McClusky Canal Intake and Pumping Station, the Biota Water Treatment Plant, and the McClusky Main Pumping Station as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project.

NEED AND BENEFIT

A preliminary geotechnical investigation was completed concurrent with these facilities' preliminary design. This Task Order is for supplemental investigations to support development of the final design and Contract Documents. The borings will be used to support design of access roads, the re-grading of the Canal embankment by the McClusky Canal Intake, and foundations of the Biota Water Treatment Plant, the McClusky Canal Intake Pumping Station, McClusky Main Pumping Station, and other facilities and appurtenance located on the common site. In addition, geotechnical borings will be completed on the proposed Ground Storage Reservoir site, which have not been completed to date.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services:

	Fee
1) Task Order Management and Administration	\$34,885
2) Land Services	\$30,152
3) Geotechnical Services	\$500,877
4) Report Services	\$320,086
Totals	\$886,000

Special Services: There are no unique or specialized services required under this Task Order.

PROJECT OVERVIEW

The purpose of this Task Order is to complete additional borings and tests to characterize subsurface soil conditions not covered by the ENDAWS preliminary design Task Order 3210. Relevant existing soils data from previous work will be used to in conjunction with the data obtained under this task order to support final design activities. Supplemental geotechnical investigations under this Task Order will be completed for the following:

- Additional geotechnical data at the Biota Water Treatment Plant site for the new intake tunnel, McClusky Canal Intake Pumping Station, Biota Water Treatment Plant facility and backwash pond. A preliminary layout drawing of the facilities developed during preliminary design is included as Figure 1. It shows the previous borings and the locations of the new borings contemplated under this Task Order. Geotechnical data being obtained for onsite and offsite access road construction are shown in Figure 2.
- Geotechnical data at the Ground Storage Reservoir site. The tank arrangement is currently still under development. However, it has been determined that the geotechnical data required will remain the same for either arrangement. A preliminary layout developed under preliminary

ENDAWS Task Order 3220 – Facilities Supplemental Geotechnical Investigation

Task Order Effective Date: April 1, 2025

TASK ORDER EXECUTIVE SUMMARY

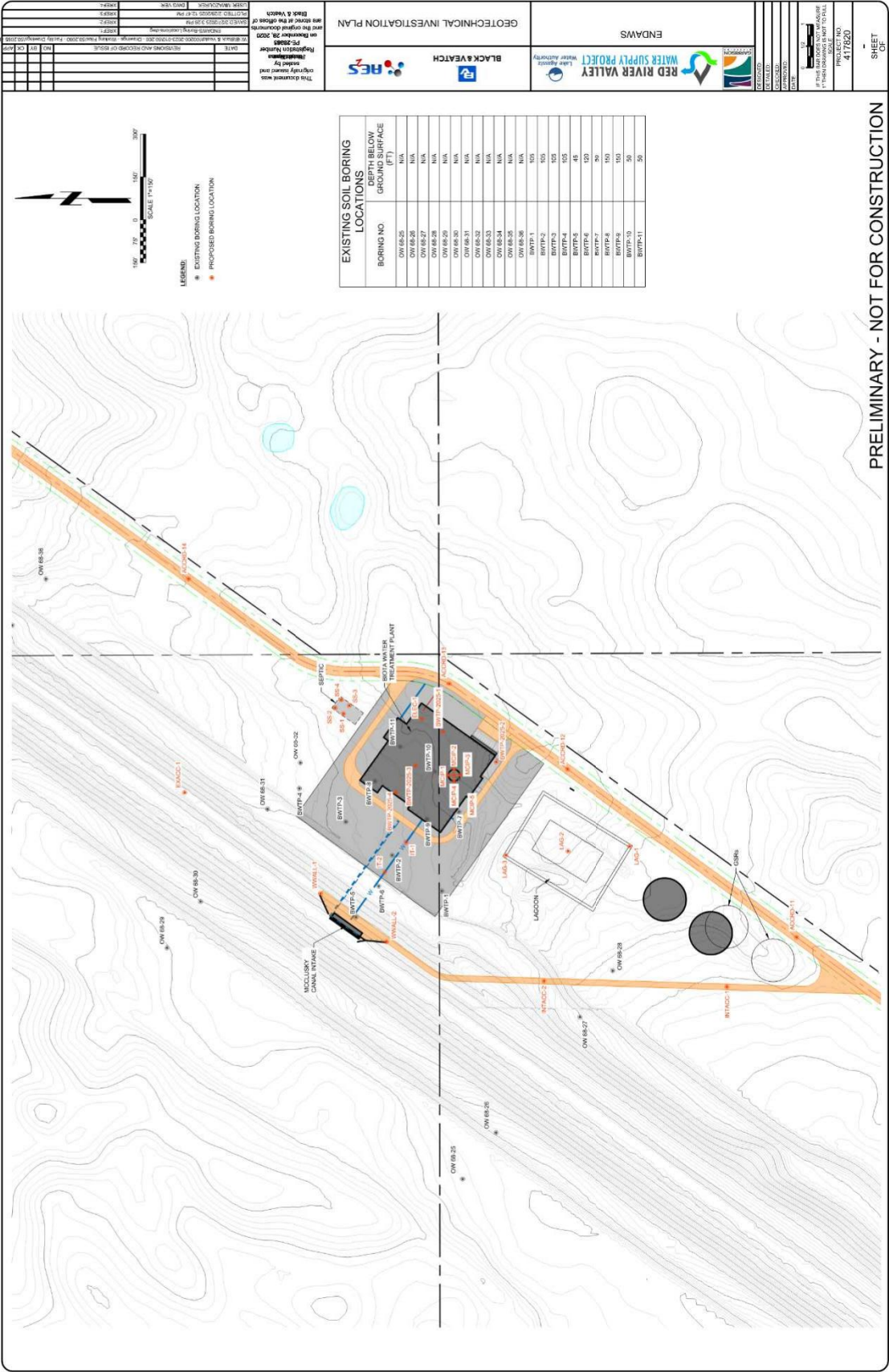
design is Figure 3. A final site location and arrangement will be identified prior to performing the field work.

- The information gathered from these geotechnical investigations will be presented and summarized in a Geotechnical Data Report. The information in the Geotechnical Data Report will be used by Engineer in development of the Geotechnical Baseline Reports tailored to specific project bid packages. Geotechnical Data Reports and Geotechnical Baseline Reports will be included in the Contract Documents. A Geotechnical Design Memorandum will also be developed based on the geotechnical data collected and provided to the design team for the Biota Water Treatment Plant and Ground Storage Reservoir facilities.

PROJECT SCHEDULE

Work under this Task Order is expected to be complete by March 31, 2026.

Figure 1 Biota Water Treatment Plant Boring Locations



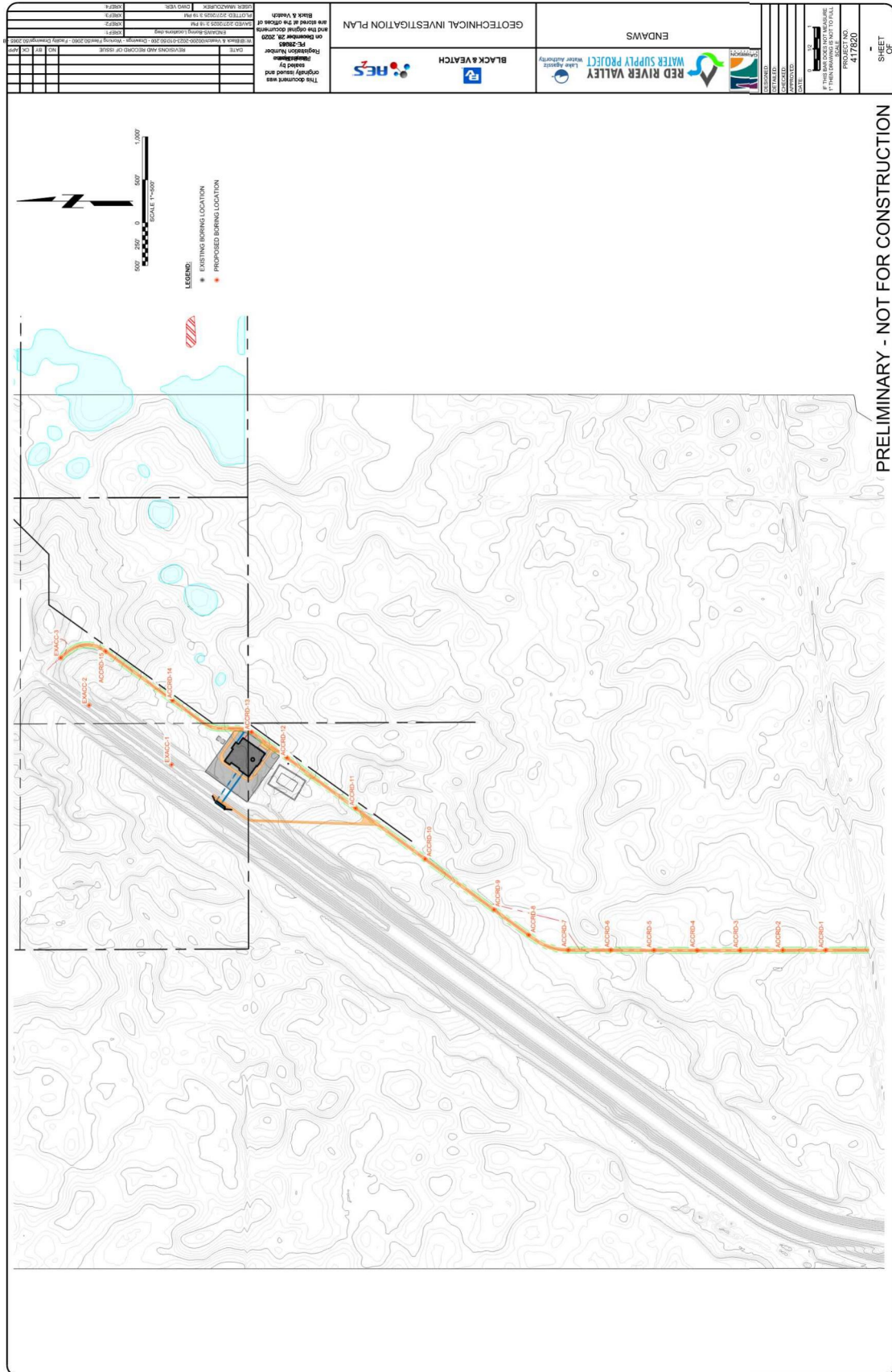
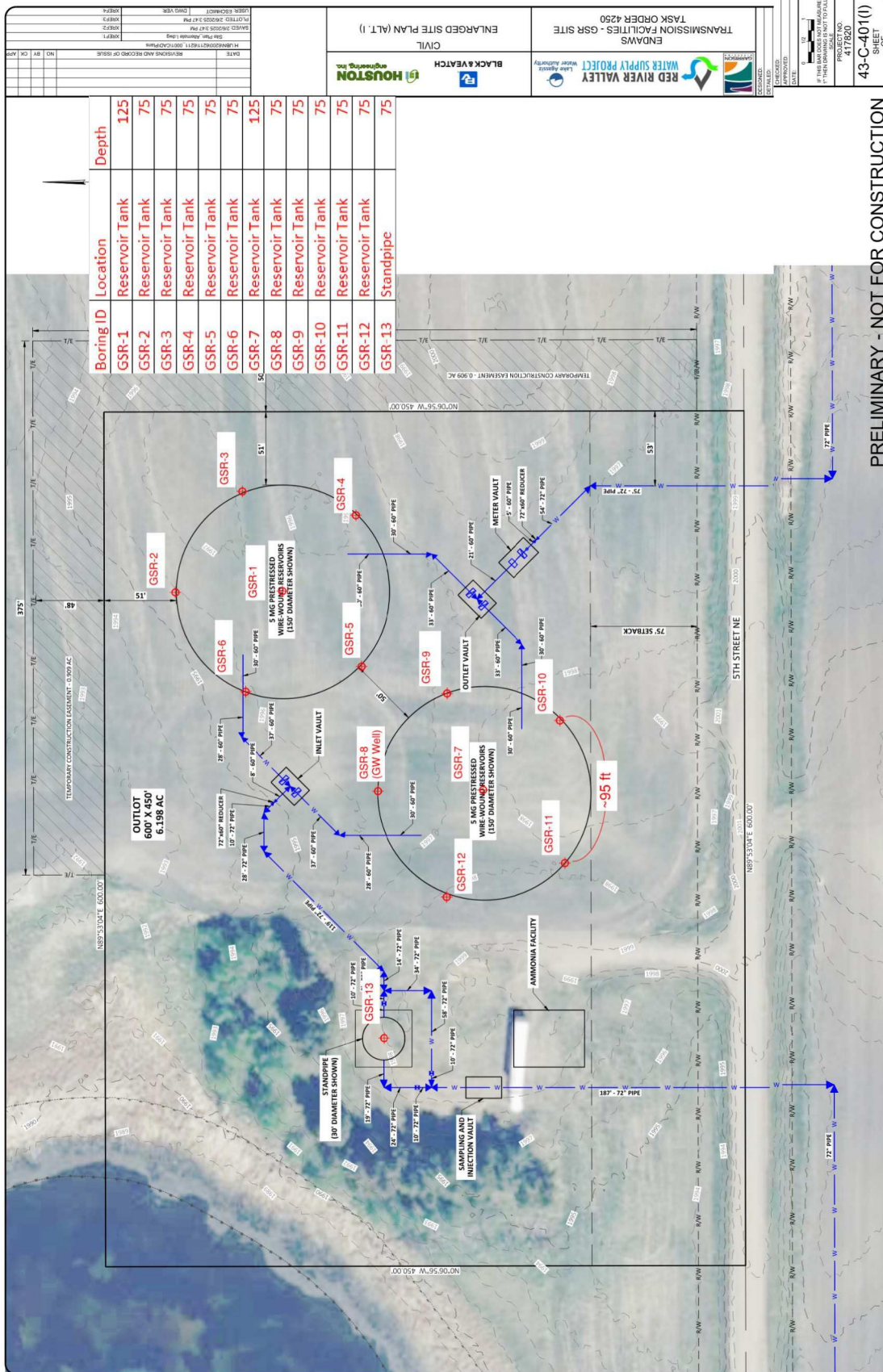


Figure 3 Ground Storage Reservoir Boring Locations



**ENDAWS Task Order 5315 – Eastern North Dakota Alternate Water Supply
Transmission Pipeline Contract 1
Partial Final Design Services**

Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a partial final design services task order in the amount of \$1,950,000 for the design of the Eastern North Dakota Alternate Water Supply (ENDAWS) Transmission Pipeline (ETP) Contract 1 project.

The Task Order advances the ETP Contract 1 preliminary design to a 90-percent complete final design for the 11-mile portion of the ENDAWS segment along with four trenchless crossing of wetland easements. Services will begin in May of 2025 with a 90-percent submittal package delivered mid-2026. These professional services are provided on an hourly basis, and the fee is an estimate based on the scope and nature of the work.

TASK ORDER SUMMARY

Basic Services: The services provided by the engineering team (Black & Veatch, AE2S, Materials Testing Services, and Ulteig) are fully described in the attached Task Order. The following table summarizes the fee for each of the major tasks and provides the fee as an estimated percentage of construction for the estimated \$84 million project.

	Fee	% of Const
Task Order Management and Administration	\$215,087	
Special Project and Third-Party Meetings	\$82,338	
Landowner and Easement Modifications	\$48,570	
Field Services	\$489,163	
Final Design Services	\$1,114,842	
Totals	\$1,950,000	2.4%

Special Services: There are no unique or specialized services required under this Task Order.

PROJECT OVERVIEW

The adjacent map shows the limits of the ETP Contract 1 project and is included in the background information of the attached Task Order. Elements of this final design Task Order are:

- Supplemental surveying services to complete the design,
- Coordination with counties, townships, and the ND DOT,
- Soil borings and a completion of geotechnical reports,
- Final design of the open cut portions of pipeline and final design of four trenchless crossings under USFWS easements, and
- Coordination with the U.S. Department of the Interior, Bureau of Reclamation.

PROJECT SCHEDULE

The duration of this Task Order is 15 months from the effective date of the Task Order finishing in mid-2026.

**ENDAWS Task Order 5315 – Eastern North Dakota Alternate Water Supply
Transmission Pipeline Contract 1
Partial Final Design Services**

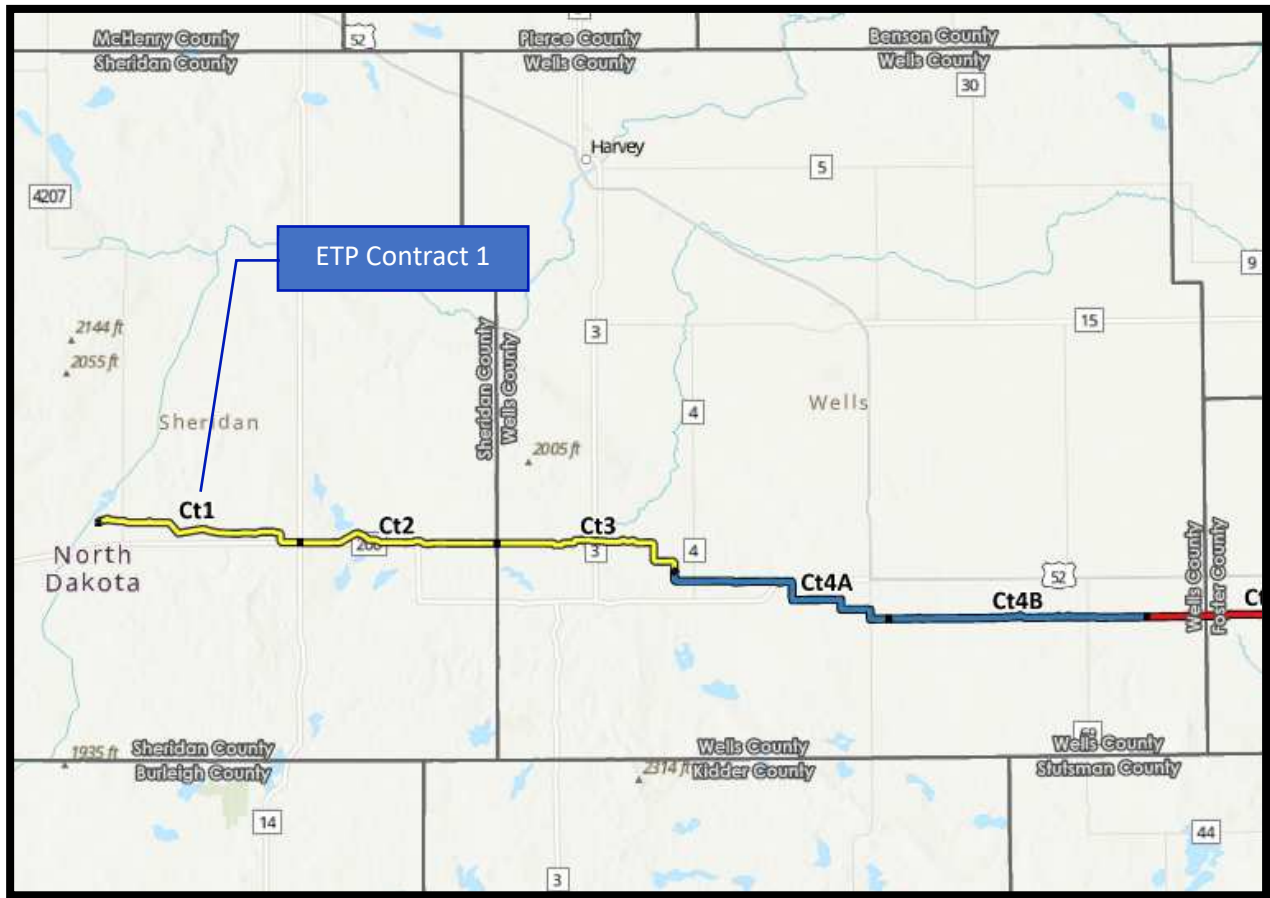
Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

PROJECT LOCATION

The Project is in Sheridan County as shown in Figure 1 below.

Figure 1 – ENDAWS Transmission Pipeline Contract 1 Location Map



**ENDAWS Task Order 5325 – Eastern North Dakota Alternate Water Supply
Transmission Pipeline Contract 2
Partial Final Design Services**

Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a partial final design services task order in the amount of \$1,780,000 for the design of the Eastern North Dakota Alternate Water Supply (ENDAWS) Transmission Pipeline (ETP) Contract 2 project.

The Task Order advances the ETP Contract 2 preliminary design to a 90-percent completion stage for a 10-mile portion of the ENDAWS segment along with one trenchless crossing of a wetland easement. Services will begin in May of 2025 with a 90-percent submittal package delivered mid-2026. These professional services are provided on an hourly basis, and the fee is an estimate based on the scope and nature of the work.

TASK ORDER SUMMARY

Basic Services: The services provided by the engineering team (Black & Veatch, AE2S, Materials Testing Services, and Ulteig) are fully described in the attached Task Order. The following table summarizes the fee for each of the major tasks and provides the fee as an estimated percentage of construction for the estimated \$64 million project.

	Fee	% of Const
Task Order Management and Administration	\$187,266	
Special Project and Third-Party Meetings	\$86,180	
Landowner and Easement Modifications	\$46,391	
Field Services	\$467,304	
Final Design Services	\$992,859	
Totals	\$1,780,000	2.8%

Special Services: There are no unique or specialized services required under this Task Order.

PROJECT OVERVIEW

The adjacent map shows the limits of ETP Contract 2 and is included in the background information of the attached Task Order. Elements of this final design Task Order are:

- Supplemental surveying services to complete the design,
- Coordination with counties, townships, and the ND DOT,
- Soil borings and a completion of geotechnical reports,
- Final design of the open-cut portions of pipeline and final design of one trenchless crossing under a U.S. Fish and Wildlife Service easement, and
- Coordination with the U.S. Department of the Interior, Bureau of Reclamation.

PROJECT SCHEDULE

The duration of this Task Order is 15 months from the effective date of the Task Order finishing in mid-2026.

**ENDAWS Task Order 5325 – Eastern North Dakota Alternate Water Supply
Transmission Pipeline Contract 2
Partial Final Design Services**

Task Order Effective Date: May 1, 2025

TASK ORDER EXECUTIVE SUMMARY

PROJECT LOCATION

The Project is in eastern Sheridan County as shown in Figure 1 below.

Figure 1 – ENDAWS Transmission Pipeline Contract 2 Location Map





2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

April 8, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
	Garrison Diversion Conservancy District Budget Scope: Account for all costs for which Garrison Diversion is responsible not included in other Task Orders listed here. Need: Budget allocation for GDCD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP, including internal mgmt, admin, legal, communication, insurance advisory, misc., etc.		GDCD				\$ 1.00	\$ 0.75	\$ 0.25			
	Property, Easements, and Crop Damage Payments⁴ Scope: Costs to obtain easements and acquire property for associated facilities. Crop damage payments to landowners. Need: Secure land for installing future pipeline segments staying years ahead of pipeline design/construction needs. Purchase property on which to build all remaining facilities so property will be in hand before final design begins.	Acquire easements in Sheridan and Wells County for 32-mi pipeline. Pay bonus payment to all easement holders. Acquire property for Biota WTP, Hydraulic Break Tanks, McClusky Canal Intake, and James River sites. Pay for crop damage.		RRVWSP	0.49	\$ 0.37	\$ 0.12	\$ 2.21	\$ 1.66	\$ 0.55			
30	Transmission Pipeline East Contract 5C Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8± mi of 72" pl, including two 96" tunnels. Pipeline extends eastward from Contract 5B NE of Bordulac to a termination point just east of the James River.	Jul-23 Nov-23	Prof Svcs Const, 2026 Fin							\$ 5.64	\$ 4.23	\$ 1.41
	Transmission Pipeline East Contract 5D Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	10± miles of 72" pl, including several 96" tunnels. Pipeline section extends westward from Contract 5A south of Carrington to a termination point south of Sykeston.	Jul-23 Oct-23	Prof Svcs Const, 2026 Fin							\$ 5.47	\$ 4.10	\$ 1.37
	RRV Transmission Pipeline Contract 6A Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6± mi of 72" pl, including several 96" tunnels. Pipeline section extends eastward from Contract 5C just east of the James River to a termination point southwest of Glenfield.	Jul-23 Dec-24	Prof Svcs Const, 2027 Fin							\$ 5.47	\$ 4.10	\$ 1.37
	ENDAWS Transmission Pipeline Contract 3 Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Continue progress of transmission pipeline installation for completion of RRVWSP/ENDAWS by the target end date.	11± mi of 72" pipeline, including 96" tunnels. Pipeline section extends west from the west end of Contract 4 to the Sheridan Wells County line.	Aug-23	ENDAWS	3.06	\$ 2.29	\$ 0.76				\$ 52.53	\$ 39.40	\$ 13.13



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

April 8, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
7.	Transmission Pipeline East Contracts 4A and 4B	27± mi of 72" pl, including several 96" tunnels. Pipeline extends from the west end of Contract 5D south of Sykeston west to a termination point NE of Hurdfield at HBTs.	Feb-24	Prof Srvs									
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.							\$ 7.18	\$ 5.39	\$ 1.80			
	Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).												
8.	RRV Transmission Pipeline Contract 7	14± mi of 72" pipeline, including several 96" tunnels. Pipeline extends from the east end of Contract 6B to the outfall on the Sheyenne River southeast of Cooperstown.	Aug-23	Prof Srvs									
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.							\$ 2.93	\$ 2.19	\$ 0.73			
	Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).												
9.	McClusky Canal Intake and Pumping Station	Siting; passive intake screens, pumping station similar to MRI, and utility extension design can begin for new facility to be located near McClusky, ND.	Feb-24	Prof Srvs									
	Scope: Conceptual and preliminary design of an intake and pumping station at the McClusky Canal.				\$ 0.75	\$ 0.56	\$ 0.19						
	Need: Preliminary designs are necessary so site acquisition can begin and final design can commence when land is secured.												
10.	Biota Water Treatment Plant and Main Pumping Station	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Feb-24	Prof Srvs									
	Scope: Conceptual and preliminary designs for a Biota WTP and Main Pumping Station, including hydraulic surge facility.				\$ 2.87	\$ 2.15	\$ 0.72						
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
11.	Hydraulic Break Tanks	Two 5 MG above-ground storage tanks and accessories, site piping and valves, monitoring, and utility extensions necessary for a new greenfield site.	Feb-24	Prof Srvs									
	Scope: Preliminary design of above-ground tanks and associated facilities at or near the continental divide.				\$ 0.37	\$ 0.28	\$ 0.09						
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
12.	PMIS Annual Licenses & Continued Maint/Upgrades	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of contractors/ subcontractors and workflow/report additions and modifications.	Feb-24	Vend & Prof Srvs									
	Scope: Annual software license renewal for expanded team and consulting support for training and configuration services.							\$ 0.50	\$ 0.37	\$ 0.12			
	Need: Create greater efficiency and documentation for voluminous amount of construction related documents.												
13.	Prg Mgmt to Support Larger Spend and Expanded Team	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Aug-23	Prof Srvs									
	Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Division.							\$ 0.65	\$ 0.49	\$ 0.16			
	Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.												



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

April 8, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
14.	Outreach, Png, and Design to Secure User Commitments Scope: User briefings and necessary support, including conceptual designs, to secure project commitments. Need: Define pipeline extensions to identify for users how and a what cost water will be delivered to their communities.	Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update capex to reflect current market.	Aug-23	Prof Srvs				\$ 1.69	\$ 1.27	\$ 0.42			
	Operational Planning and Asset Management Phase 3 Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes. Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.	Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.	Feb-24	Prof Srvs				\$ 0.46	\$ 0.35	\$ 0.12			
15.	Financial Planning Support Scope: Continue to refine the financial model and provide scenarios as required to support users and the program. Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.	Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.	Aug-23	Prof Srvs				\$ 0.59	\$ 0.44	\$ 0.15			32
	Additional End User Outreach Scope: Branch pipeline conceptual designs and other consulting assistance to potential end users. Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.	Conceptual designs and other consulting support to support end user understanding of core pipeline and applicable branch pipeline CapEx necessary to secure MOU signatures.		Prof Srvs				\$ -	\$ -	\$ -			
17.	McClusky Canal Hydraulic & Water Quality Investigation Scope: Study and report on operation of the McClusky Canal to reliably supply flow to irrigators and the ENDAWS project. Need: The McClusky Canal and the Snake Creek Pumping Plant are critical components of the ENDAWS/RRVWSP system.	Evaluate canal improvements necessary to deliver flows. Develop operational plan to supply irrigators and ENDAWS/RRVWSP system while improving delivered water quality.	Apr-25	Prof Srvs	\$ 0.44	\$ 0.33	\$ 0.11						
	ENDAWS Facilities Site Development Contract 1 Scope: Final design and bidding assistance with partial execution of the construction work by GDCD. Need: Provide site access for construction and ready site for substantial facilities construction beginning in 2028.	Access roads to proposed site of new Biota WTP, mass grading to prepare for structure construction, and temporary excavation support system for intake pumping station wetwell.	Apr-25	Prof Srvs	\$ 0.88	\$ 0.66	\$ 0.22						
18.	ENDAWS BWTP Piloting and Treatability Study Scope: water treatment piloting of preliminarily selected treatment processes with a 3-month duration. Need: Process demonstration necessary to make sure water quality treatment objectives can be met with selections.	Pilot scale treatment train consisting of preliminary treatment, UV disinfection, chlorination, and residual chloramine treatment.	Apr-25	Prof Srvs	\$ -	\$ -	\$ -	\$ 0.87	\$ 0.65	\$ 0.22			

Annex XI
25-31



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

April 8, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
21.	ENDAWS Facilities Supplemental Geotechnical Invest. Scope: Additional borings and soil sampling expanding upon the initial program implemented during preliminary design. Need: More data needed to properly design foundations, structures, pavement, etc. for the new facilities.	Geotechnical borings; soil characterization, sampling and testing; and reporting to fully inform design team and contractors of on-site insitu soil characteristics.	Apr-25	Prof Srvs	\$ 0.89	\$ 0.66	\$ 0.22						
	ENDAWS Facilities Utility Extensions Study Scope: Study and report of electrical service extension to serve the new biota water Treatment plant. Need: There have been no recent studies of electrical service infrastructure necessary at the McClusky facilities site.	Evaluate substation needs and routing of 15 to 25 miles of high-voltage power lines to serve the new BWTP. Identify permitting and easement requirements.		Prof Srvs	\$ -	\$ -	\$ -						
22.	ENDAWS Transmission Pipeline Contract 2 Scope: Final design (30% docs to 90% plans and specs). Need: Have next pipeline section nearly ready so when Federal funding is secured/allocated design can quickly be completed and construction can proceed.	10± mi of 72" pipeline, including one 96" diameter tunnels. Pipeline extends from ND Highway 14 east to the connection point with Contract 3.	Apr-25	Prof Srvs	\$ 1.78	\$ 1.34	\$ 0.45						
	ENDAWS Transmission Pipeline Contract 1 Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Have next pipeline section bid-ready so when Federal funding is secured/allocated construction can proceed.	11± mi of 72" pipeline, including uup to five 96" diameter tunnels. Pipeline extends from BWTP at McClusky Canal east to ND Highway 14 connection point with Contract 2.	Apr-25	Prof Srvs	\$ 1.95	\$ 1.46	\$ 0.49						
23.	Contingency Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOS. Need: Address and pay for changes that are sure to occur.	Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.	N/A	GD CD	\$ -	\$ -	\$ -						
					\$ 15.48	\$ 11.61	\$ 3.87	\$ 18.87	\$ 14.15	\$ 4.72	\$ 211.65	\$ 158.74	\$ 52.91
TOTAL PROGRAM BUDGET					\$	\$	\$	\$	\$	\$	\$	\$	\$

Notes:

- Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
- Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
- Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
- Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damage, and field obstructions. Estimates include pipeline easements required for the ENDAWS east/west pipeline and remaining easements from the beginning of the Contract 4 transmission main to the Sheyenne River Outfall, with most located in Wells County.
- Items appearing in blue bold are progressing with task orders and contracts issued to the engineering team and contractors, respectively. Items appearing in blue italics have been updated to reflect adjustments made for actual amounts contracted. Items shown in black text are pending. Items shown in green are new and were added with the \$6M MR&I funding in October 2024. Items highlighted in yellow have changed from the previous version of the Work Plan.



RED RIVER VALLEY WATER SUPPLY PROJECT



Draft 2025 to 2027 Biennium Work Plan

(\$346M Total Funding: \$0 Federal; \$259.5M State; \$86.5M Local Users)

April 9, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	Garrison Diversion Conservancy District Budget Scope: Account for all costs for which Garrison Diversion is responsible not included in other Task Orders listed here. Need: Budget allocation for GDGD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP.	--	GDGD				\$ 1.00	\$ 0.75	\$ 0.25			
2.	Property, Easements, and Crop Damage Payments⁴ Scope: Crop damage payments to landowners. Need: Treat landowners right and live up to commitments.	Easements for Washburn transmission main. Pay for crop damages program wide.	--	Crp Dmg				\$ 1.82	\$ 1.37	\$ 0.46			
3.	Red River Valley Transmission Pipeline Contract 6B Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	9.2± mi of 72" pl, including one 96" tunnel. Pipeline extends east from Contract 6A northeast of Kensal to a termination point southeast of Glenfield.	Jul-25 Jul-25	Prof Srvs Const, 2028 Fin							\$ 5.70	\$ 4.28	\$ 1.43
										\$ 64.26	\$ 48.20	\$ 16.07	
4.	Red River Valley Transmission Pipeline Contract 6C Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8.4± miles of 72" pl, including three 96" tunnels. Pipeline section extends east from Ct 6B near Glenfield to a termination point south of Sutton.	Jul-25 Jul-25	Prof Srvs Const, 2028 Fin							\$ 5.70	\$ 4.28	\$ 1.43
										\$ 73.78	\$ 55.34	\$ 18.45	
5.	Red River Valley Transmission Pipeline Contract 7A Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6.5± mi of 72" pl, including three 96" tunnels. Pl section extends east from Ct 6C near Sutton to a termination point south of Cooperstown.	Jul-25 Jul-25	Prof Srvs Const, 2028 Fin							\$ 5.70	\$ 4.28	\$ 1.43
										\$ 59.82	\$ 44.87	\$ 14.96	
6.	Red River Valley Transmission Pipeline Contract 7B Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	7.1± mi of 72" pl, including one 96" tunnel. Pl section extends east from Ct 7A south of Cooperstown to a termination point at the Outfall to the Sheyenne River near bible camp.	Jul-25 Jul-25	Prof Srvs Const, 2028 Fin							\$ 5.70	\$ 4.28	\$ 1.43
										\$ 64.18	\$ 48.14	\$ 16.05	
7.	Transmission Pipeline East Contract 4C Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	9± mi of 72" pl, including 96" tunnels. Pipeline section extends west from Ct 5D near Sykeston to a termination point 9 miles west.		Prof Srvs								\$ -	\$ -
											\$ -	\$ -	



Draft 2025 to 2027 Biennium Work Plan

(\$346M Total Funding: \$0 Federal; \$259.5M State; \$86.5M Local Users)

April 9, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
8.	McClusky Facilities Final Design Services & Bidding Assist Scope: Final designs for McClusky Intake Pumping Station, Biota WTP, and McClusky Main Pumping Station. Need: Complete design so bids can be obtained for constructing the facilities.	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Oct-25	Prof Svcs	\$ 15.00	\$ 11.25	\$ 3.75						
9.	MO River Intake Pump Sta, Trans Main, & Utilities Ext Contr 3 Scope: Final design, construction, and construction phase services for pumping station and transmission pl for Washburn. Need: Advance design, obtain bids, and construct new raw water supply for City of Washburn.	Raw water pumping station and transmission main from Missouri River Pumping Station to the City of Washburn water treatment plant.	Jul-25 Jan-27 Jan-27	Prof Svcs Prof Svcs Const				\$ 0.40	\$ 0.30	\$ 0.10			
											\$ 0.40	\$ 0.30	\$ 0.10
10.	McClusky Facilities Wetwell Excavation & Site Dev Contr 1 Scope: Construction and construction phase services. Need: Prepare site and ready it for future construction of the biota water treatment plant.	Access road improvements from Highway 200 north to the future bwtp site. Mass excavation of site and excavation of intake ps shaft and temp excavation support system.	Apr-26 Apr-26	Prof Svcs Const							\$ 1.20	\$ 0.90	\$ 0.30
											\$ 12.00	\$ 9.00	\$ 3.00
11.	McClusky Facilities Intake, Tunnel, & Shaft Liner Contr 2 Scope: Final design and bidding assistance. Need: Complete specialty work ahead of the main biota water treatment plant construction.	Passive intake screens and structure on the McClusky Canal along with a 72" tunnel to the shaft/pumping station wetwell. Concrete shaft liner inside circular shaft excavated under Contr 1.	Jan-26 Jan-27 Jan-27	Prof Svcs Prof Svcs Const	\$ 2.00	\$ 1.50	\$ 0.50						
											\$ -	\$ -	\$ -
12.	McClusky Facilities Utility Extensions Design Scope: Final design services and bidding assistance. Need: There is not 3-phase power available at the site so one needs to be developed to supply power needs of new facility.	Electrical system design to support a new power supply to the bwtp and associated pumping stations.	Jan-26	Prof Svcs	\$ 1.50	\$ 1.13	\$ 0.38						
13.	PMIS Annual Licenses & Continued Maint/Upgrades Scope: Annual software license renewal for expanded team and consulting support for training and configuration services. Need: Create greater efficiency and documentation for voluminous amount of construction related documents.	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of contractors/ subcontractors and workflow/report additions and mods.	Oct-25	Prof Svcs				\$ 0.50	\$ 0.38	\$ 0.13			
14.	Program Management Support Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Division. Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Jul-25	Prof Svcs				\$ 0.75	\$ 0.56	\$ 0.19			



Draft 2025 to 2027 Biennium Work Plan

(\$346M Total Funding: \$0 Federal; \$259.5M State; \$86.5M Local Users)

April 9, 2025

No.	Scope of Work		Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
						Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
15.	Project Participation Agreement Support		Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update capex to reflect current market.	Jul-25	Prof Svcs									
	Scope: User briefings and necessary support, including conceptual designs, to secure project commitments.													
	Need: Define pipeline extensions to identify for users how and a what cost water will be delivered to their communities.													
16.	Operational Planning Phase 4		Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.		Prof Svcs									
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.													
	Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.													
17.	Financial Planning Support		Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.		Prof Svcs									
	Scope: Continue to refine the financial model and provide scenarios as required to support users and the program.													
	Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.													
18.	Contingency		Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.	N/A	GDGD									
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.													
	Need: Address and pay for changes that are sure to occur.													
TOTAL PROGRAM BUDGET						\$ 19.43	\$ 14.57	\$ 4.86	\$ 9.00	\$ 6.75	\$ 2.25	\$ 317.57	\$ 238.18	\$ 79.39

Notes:

- Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
- Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
- Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
- Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damage, and field obstructions. Estimates include pipeline easements required for the ENDAWS east/west pipeline and remaining easements from the beginning of the Contract 4 transmission main to the Sheyenne River Outfall, with most located in Wells County.
- Green text indicates priority 1 items totaling approximately \$200M. Blue text indicates priority 2 items and when added to Priority 1 items totals approximately \$266.7 million. Orange text indicates priority 3 items and when totaled with Priority 1 and Priority 2 items totals approximately \$294.8 million. Purple text indicates priority 4 items summing to the funding ceiling of \$346M.

	2017-2019	2019-2021 (Phase 1)	2021-2023 (Phase 2)	2023-2025 (Phase 3)	2025-2027 (Phase 4)	2027-2031 (Phase 5)	2031-2033 (Phase 6)
Operations and Assumptions	N/A	- Proposed drought phases - Proposed Project management structure - Proposed new management protocol	- Updated drought phases by indicators - Defined Project Stakeholder structure and engagement strategies - Developed draft phased drought protocols - Developed water request protocol	- Document all new Project components & infrastructure - Incorporate Branch Pipeline Options based on User participation - Document Red River Bypass Reconsideration TM - Document Return Flows - Document ability to utilize Managed Aquifer Recharge (MAR)	- Finalize project components & infrastructure - Finalize branch pipeline infrastructure		
Project Governance	N/A	- Incorporated NDPDES permit requirements - Incorporated constant and maintenance flow requirements - Considered Intake, Biota Water Treatment Plant, Pipeline, and Discharge Facilities locations and operations - Proposed Infrastructure Operational Strategies > Infrastructure description, proposed operational plans, and shutdown procedures > Proposed pipeline and Lake Ashtabula interface	- Reviewed Lake Audubon and McClusky Canal refreshing strategies - Incorporated Final Environmental Impact Statement (FEIS) (ENDAWS) - Reviewed Lake Ashtabula Operations (NDDWR Responses) - Reviewed Lake Ashtabula utilization strategies	- Propose draft operational team agreements and protocol with regulatory stakeholders endorsement (Bureau of Reclamation (Reclamation), NDDWR, and USACE) - Finalize Operational Planning Framework (PPA Exhibit G)	- Develop draft 'Green-to-Red' monitoring dashboard > Incorporate phased drought protocols - Finalize phased drought indicators - Finalize phased drought protocols - Finalize operational agreements - Finalize water request protocol	- Pilot drought monitoring using 'Green-to-Red' dashboard - Implement drought monitoring using 'Green-to-Red' dashboard	
Water Supplies	N/A	N/A	- Participated in StateMod Training - Completed predictive modeling statistical analysis - Completed predictive modeling temporal analysis	- Incorporate Lake Audubon and McClusky Canal refresh strategies - Develop James River alternative usage options - Incorporate water management strategies using ENDAWS	- Finalize Lake Audubon and McClusky Canal refresh strategies - Determine James River alternatives feasibility for serving Sutsman-RWD/Jamestown - Incorporate pumping system and Biota WTP protocols when available - Develop release volume protocol - Develop staff training program	- Implement staff training and preparation - Select Sutsman-RWD/Jamestown delivery method - Pilot release volume protocol	- Implement Lake Audubon and McClusky Canal refresh strategies - Initiate pumping system and Biota WTP operations - Implement release volume protocol
Pipeline and Reservoir Operations	N/A	- Summarized all (4) reservoir Water Control Manuals (WCM) - Summarized Baldhill Dam releases - Estimated river travel times to Users - Incorporated water quality test results and analyzed mass balance	- Drafted water accounting spreadsheet > Natural Flows: River & Thompson-Acker > Project Flows: Direct Pipeline Users (DPUs) & Direct River Users (DRUs)	- Support USACE Lake Ashtabula WCM Update and Drought Management Plan development - Support USACE Lake Traverse WCM Update - Finalize StateMod Documentation (PPA Exhibit F) - Develop new TM for StateMod details - Review Lake Ashtabula 2020 bathymetric survey > Incorporate updates (StateMod and Project operations) - Review/Update Lake Ashtabula operations water appropriations Implications (NDDWR Responses) - Incorporate into water accounting model: > Final Users > Final nominations > Final branch pipelines - Incorporate 2020 bathymetric survey updates into water accounting model	- Finalize Lake Ashtabula operations water appropriations Implications (NDDWR Responses) - Incorporate USACE Lake Ashtabula WCM updates - Finalize Lake Ashtabula utilization strategies (Reclamation, NDDWR, and USACE) - Build predictive model scenarios for RRWVSP regions > S ND, 2 MW, 1 SD climate divisions > Monthly indicator breakdowns by percentile	- Conduct predictive model testing > Using drought conditions (1987-1999) - Additional stress testing - Refine predictive model - Develop staff training program	- Develop and test predictive model interface - Implement staff training and preparation - Operate Project to serve DPUs and maintain pipeline water quality - Operate Project to maintain Lake Ashtabula conservation pool - Implement predictive model (if a drought occurs) - Coordinate with RRWVSP Users on Lake Ashtabula release requests - Adjust Project operations to replenish released water
Water Accounting	N/A	N/A	- Part of Amendment 1 - Completed annual NDPDES permit and certification (2 updates in biennia)	- Incorporate into water accounting model: > Final Users > Final nominations > Final branch pipelines - Incorporate 2020 bathymetric survey updates into water accounting model	- Develop water accounting model interface - Develop water accounting Standard Operational Plan (SOP) - Develop staff training program	- Implement staff training and preparation - Pilot water accounting model interface - Refine/implement water accounting model - Coordinate with Users to ensure water supplies are sufficient	
2021 Drought Support	N/A	- Phase 1 Executive Summary (December 2021) - Annual NDPDES permit and certification update (December 2021)	- Phase 2 Final Technical Report (December 2023)* - Operational Descriptions and Assumptions TM (December 2023)* - Project Governance TM (December 2023)* - Water Supplies TM (December 2023)* - Reservoir Operational TM (December 2023)* - Water Accounting TM (December 2023)* - Annual NDPDES permit and certification (2 updates) > 2022 Update (October 2022)* > 2023 Update (December 2023)* - 2021 Drought analysis and presentation development > RRWVSP Operational Scenarios following a 2021 Drought TM (February 2023)	N/A	N/A	N/A	
Asset Management	N/A	N/A	- Framework (September 2022)	N/A	- Develop RRWVSP asset nomenclature - Develop RRWVSP asset hierarchy - Software evaluation - Consider other Garrison Division assets	- Requires further discussion	- Requires further discussion



BLACK & VEATCH
 Building a world of difference.



2/2/2024

**RRVWSP Work Plan Update
June 13, 2025**

CONSTRUCTION

Pipeline Construction

Contract 5B

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil.

In year one (2022), 7,761 feet of pipe was installed out of the total nine miles. High groundwater slowed the pipe installation progress.

In the second year (2023), 21,120 feet of pipe was installed.

In the third year (2024), using two pipe crews, approximately 18,500 feet has been installed, which completes the pipe installation.

Currently, the contractor is building out the manholes and filling the pipe getting ready for hydrotesting.

To date, \$39,090,882.28 has been paid on the original contract amount of \$45,961,700.00. Change Orders No. 1, 2, 3 and 4 have been approved, leaving the current contract price at \$46,899,055.88.

Contract 5C

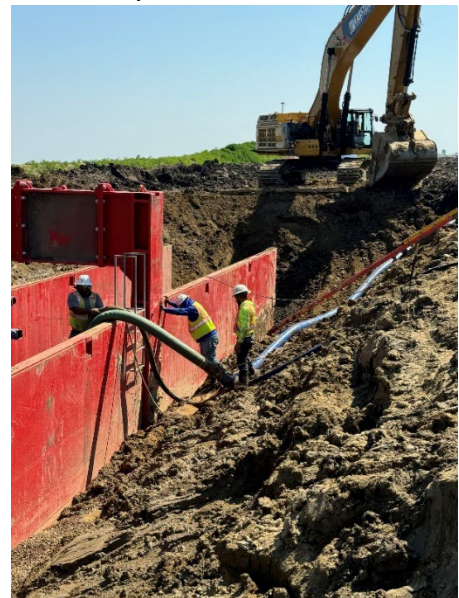
The contract price is \$76,663,355.00 for 8 miles of pipe awarded to Oscar Renda Contracting.

Oscar Renda was not meeting their install targets so a second pipe crew was sent out on July 10. To date, 19,402 feet has been installed. The Kelly Creek tunnel is complete.

To date, \$37,281,590.59 has been paid on the original contract amount of \$76,663,355.00.



Stripping Topsoil



Trench Box w/ Dewatering Pipes

Contract 5D

The contract price is \$61,677,275.00 for 10 miles of pipe awarded to Carstensen Contracting. To date, the contractor has installed 32,451 feet with one pipe crew of which 9,300 feet installed this year.

To date, \$38,365,291.29 has been paid on the original contract amount of \$61,677,275.00. Change Order No. 1 has been approved, leaving the current contract price at \$59,375,495.00.



Stored Pipe on Site



Placing Dewatering Pipe

Contract 6A

The contract price is \$52,528,500.00 for 7.1 miles of pipe awarded to Carstensen Contracting. To date, the contractor has started stripping topsoil and installing dewatering discharge pipe.

DESIGN

The design team is also working with Reclamation on the location for the BWTP and pump stations.

Bid opening on Contract 6A was held on November 7, 2024. Final design efforts have started on Contracts 7 and 4. Additional geotechnical data is complete.

RRVWSP Awarded Contracts				
No.	Contract Name	Contractor	Bid Price	Final Contract Price
1	Missouri River Intake Wet Well & Site Development	ICS	\$4,989,405.88	\$4,721,446.47
1	Sheyenne River Outlet Discharge Structure & Site Development	Industrial Builders	\$1,516,955.00	\$1,521,884.00
2	Missouri River Intake, Screen Structure & Tunnel	Michels	\$18,896,900.00	\$19,444,156.60
5A	Transmission Pipeline East (TPE)	Garney	\$8,366,201.00	\$8,393,396.44
5B	TPE Carrington to Bordulac	Garney	\$45,961,700.00	
5D	TPE Sykeston to Carrington	Carstensen	\$61,677,275.00	
5C	TPE Bordulac to James River	Oscar Renda	\$76,663,355.00	
6A	TPE James River to McKinnon Township	Carstensen	\$52,528,500.00	



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	Garrison Diversion Conservancy District Budget Scope: Account for all costs for which Garrison Diversion is responsible not included in other Task Orders listed here. Need: Budget allocation for GDCCD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP, including internal mgmt, admin, legal, communication, insurance advisory, misc., etc.		GDCCD				\$ 1.00	\$ 0.75	\$ 0.25			
2.	Property, Easements, and Crop Damage Payments⁴ Scope: Costs to obtain easements and acquire property for associated facilities. Crop damage payments to landowners. Need: Secure land for installing future pipeline segments staying years ahead of pipeline design/construction needs. Purchase property on which to build all remaining facilities so property will be in hand before final design begins.	Acquire easements in Sheridan and Wells County for 32-mi pipeline. Pay bonus payment to all easement holders. Acquire property for Biota WTP, Hydraulic Break Tanks, McClusky Canal Intake, and James River sites. Pay for crop damage.		RRVWSP ENDAWS ENDAWS Facilities Crp Dmg	\$ 0.49 \$ 2.00	\$ 0.37 \$ 1.50	\$ 0.12 \$ 0.50	\$ 2.21 \$ 0.78	\$ 1.66 \$ 0.59	\$ 0.55 \$ 0.20			
3.	Transmission Pipeline East Contract 5C Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8± mi of 72" pl, including two 96" tunnels. Pipeline extends eastward from Contract 5B NE of Bordulac to a termination point just east of the James River.	Jul-23 Nov-23	Prof Svcs Const, 2026 Fin							\$ 5.64 \$ 76.66	\$ 4.23 \$ 57.50	\$ 1.41 \$ 19.17
4.	Transmission Pipeline East Contract 5D Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	10± miles of 72" pl, including several 96" tunnels. Pipeline section extends westward from Contract 5A south of Carrington to a termination point south of Sykeston.	Jul-23 Oct-23	Prof Svcs Const, 2026 Fin							\$ 5.47 \$ 59.38	\$ 4.10 \$ 44.53	\$ 1.37 \$ 14.84
5.	RRV Transmission Pipeline Contract 6A Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6± mi of 72" pl, including several 96" tunnels. Pipeline section extends eastward from Contract 5C just east of the James River to a termination point southwest of Glenfield.	Jul-23 Dec-24	Prof Svcs Const, 2027 Fin							\$ 5.47 \$ 52.53	\$ 4.10 \$ 39.40	\$ 1.37 \$ 13.13
6.	ENDAWS Transmission Pipeline Contract 3 Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Continue progress of transmission pipeline installation for completion of RRVWSP/ENDAWS by the target end date.	11± mi of 72" pipeline, including 96" tunnels. Pipeline section extends west from the west end of Contract 4 to the Sheridan Wells County line.	Aug-23	ENDAWS	\$ 3.06	\$ 2.29	\$ 0.76						
7.	Transmission Pipeline East Contracts 4A and 4B Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).	27± mi of 72" pl, including several 96" tunnels. Pipeline extends from the west end of Contract 5D south of Sykeston west to a termination point NE of Hurdsville at HBTs.	Feb-24	Prof Svcs				\$ 7.18	\$ 5.39	\$ 1.80			



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
8.	RRV Transmission Pipeline Contract 7	14± mi of 72" pipeline, including several 96" tunnels. Pipeline extends from the east end of Contract 6B to the outfall on the Sheyenne River southeast of Cooperstown.	Aug-23	Prof Svcs									
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.							\$ 2.93	\$ 2.19	\$ 0.73			
	Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).												
9.	McClusky Canal Intake and Pumping Station	Siting; passive intake screens, pumping station similar to MRI, and utility extension design can begin for new facility to be located near McClusky, ND.	Feb-24	Prof Svcs									
	Scope: Conceptual and preliminary design of an intake and pumping station at the McClusky Canal.				\$ 0.75	\$ 0.56	\$ 0.19						
	Need: Preliminary designs are necessary so site acquisition can begin and final design can commence when land is secured.												
10.	Biota Water Treatment Plant and Main Pumping Station	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Feb-24	Prof Svcs									
	Scope: Conceptual and preliminary designs for a Biota WTP and Main Pumping Station, including hydraulic surge facility.				\$ 2.87	\$ 2.15	\$ 0.72						
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
11.	Hydraulic Break Tanks	Two 5 MG above-ground storage tanks and accessories, site piping and valves, monitoring, and utility extensions necessary for a new greenfield site.	Feb-24	Prof Svcs									
	Scope: Preliminary design of above-ground tanks and associated facilities at or near the continental divide.				\$ 0.37	\$ 0.28	\$ 0.09						
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
12.	PMIS Annual Licenses & Continued Maint/Upgrades	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of contractors/ subcontractors and workflow/report additions and modifications.	Feb-24	Vend & Prof Svcs									
	Scope: Annual software license renewal for expanded team and consulting support for training and configuration services.							\$ 0.50	\$ 0.37	\$ 0.12			
	Need: Create greater efficiency and documentation for voluminous amount of construction related documents.												
13.	Prg Mgmt to Support Larger Spend and Expanded Team	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Aug-23	Prof Svcs									
	Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Division.							\$ 0.65	\$ 0.49	\$ 0.16			
	Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.												
14.	Outreach, Plng, and Design to Secure User Commitments	Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update capex to reflect current market.	Aug-23	Prof Svcs									
	Scope: User briefings and necessary support, including conceptual designs, to secure project commitments.							\$ 1.69	\$ 1.27	\$ 0.42			
	Need: Define pipeline extensions to identify for users how and a what cost water will be delivered to their communities.												



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
15.	Operational Planning and Asset Management Phase 3	Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.	Feb-24	Prof Srvs									
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.							\$ 0.46	\$ 0.35	\$ 0.12			
	Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.												
16.	Financial Planning Support	Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.	Aug-23	Prof Srvs									
	Scope: Continue to refine the financial model and provide scenarios as required to support users and the program.							\$ 0.59	\$ 0.44	\$ 0.15			
	Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.												
17.	Additional End User Outreach	Conceptual designs and other consulting support to support end user understanding of core pipeline and applicable branch pipeline CapEx necessary to secure MOU signatures.		Prof Srvs									
	Scope: Branch pipeline conceptual designs and other consulting assistance to potential end users.							\$ -	\$ -	\$ -			
	Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.												
18.	McClusky Canal Hydraulic & Water Quality Investigation	Evaluate canal improvements necessary to deliver flows. Develop operational plan to supply irrigators and ENDAWS/RRVWSP system while improving delivered water quality.	Apr-25	Prof Srvs									
	Scope: Study and report on operation of the McClusky Canal to reliably supply flow to irrigators and the ENDAWS project.				\$ 0.44	\$ 0.33	\$ 0.11						
	Need: The McClusky Canal and the Snake Creek Pumping Plant are critical components of the ENDAWS/RRVWSP system.												
19.	ENDAWS Facilities Site Development Contract 1	Access roads to proposed site of new Biota WTP, mass grading to prepare for structure construction, and temporary excavation support system for intake pumping station wetwell.	Apr-25	Prof Srvs									
	Scope: Final design and bidding assistance with partial execution of the construction work by GDCCD.				\$ 0.88	\$ 0.66	\$ 0.22						
	Need: Provide site access for construction and ready site for substantial facilities construction beginning in 2028.												
20.	ENDAWS BWTP Piloting and Treatability Study	Pilot scale treatment train consisting of preliminary treatment, UV disinfection, chlorination, and residual chloramine treatment.	Apr-25	Prof Srvs									
	Scope: water treatment piloting of preliminarily selected treatment processes with a 3-month duration.					\$ -	\$ -	\$ 0.87	\$ 0.65	\$ 0.22			
	Need: Process demonstration necessary to make sure water quality treatment objectives can be met with selections.												
21.	ENDAWS Facilities Supplemental Geotechnical Invest.	Geotechnical borings; soil characterization, sampling and testing; and reporting to fully inform design team and contractors of on-site insitu soil characteristics.	Apr-25	Prof Srvs									
	Scope: Additional borings and soil sampling expanding upon the initial program implemented during preliminary design.				\$ 0.89	\$ 0.66	\$ 0.22						
	Need: More data needed to properly design foundations, structures, pavement, etc. for the new facilities.												
22.	ENDAWS Facilities Utility Extensions Study	Evaluate substation needs and routing of 15 to 25 miles of high voltage power lines to serve the new BWTP. Identify permitting and easement requirements.		Prof Srvs									
	Scope: Study and report of electrical service extension to serve the new biota water treatment plant				\$ -	\$ -	\$ -						
	Need: There have been no recent studies of electrical service infrastructure necessary at the McClusky facilities site.												



2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
23.	ENDAWS Transmission Pipeline Contract 2	10± mi of 72" pipeline, including one 96" diameter tunnels. Pipeline extends from ND Highway 14 east to the connection point with Contract 3.	Apr-25	Prof Svcs	\$ 1.78	\$ 1.34	\$ 0.45						
	Scope: Final design (30% docs to 90% plans and specs).												
	Need: Have next pipeline section nearly ready so when Federal funding is secured/allocated design can quickly be completed and construction can proceed.												
24.	ENDAWS Transmission Pipeline Contract 1	11± mi of 72" pipeline, including uup to five 96" diameter tunnels. Pipeline extends from BWTP at McClusky Canal east to ND Highway 14 connection point with Contract 2.	Apr-25	Prof Svcs	\$ 1.95	\$ 1.46	\$ 0.49						
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.												
	Need: Have next pipeline section bid-ready so when Federal funding is secured/allocated construction can proceed.												
25.	Contingency	Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.		RRVWSP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6.45	\$ 4.84	\$ 1.61
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.												
	Need: Address and pay for changes that are sure to occur.												
TOTAL PROGRAM BUDGET					\$ 15.48	\$ 11.61	\$ 3.87	\$ 18.87	\$ 14.15	\$ 4.72	\$ 211.65	\$ 158.74	\$ 52.91

Notes:

- Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
- Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
- Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
- Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damage, and field obstructions. Estimates include pipeline easements required for the ENDAWS east/west pipeline and remaining easements from the beginning of the Contract 4 transmission main to the Sheyenne River Outfall, with most located in Wells County.
- Items appearing in blue bold are progressing with task orders and contracts issued to the engineering team and contractors, respectively. Items appearing in blue italics have been updated to reflect adjustments made for actual amounts contracted. Items shown in black text are pending. Items highlighted in yellow have changed from the previous version of the Work Plan.



RED RIVER VALLEY WATER SUPPLY PROJECT



2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	Garrison Diversion Conservancy District Budget Scope: Account for all costs for which Garrison Diversion is responsible and not included in other Task Orders listed here. Need: Budget allocation for GDCD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP.	--	GDCD				\$ 1.00	\$ 0.75	\$ 0.25			
2.	Property, Easements, and Crop Damage Payments⁴ Scope: Crop damage payments to landowners and easement costs. Need: Treat landowners right and live up to commitments.	Easements for Washburn transmission main. Pay for crop damages program wide.	--	Crp Dmg				\$ 1.82	\$ 1.37	\$ 0.46			
3.	Red River Valley Transmission Pipeline Contract 6B Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	9.2± mi of 72" pl, including one 96" tunnel. Pipeline extends east from Contract 6A northeast of Kensal to a termination point southeast of Glenfield.	Jul-25 Oct-25	Prof Srvs Const, 2028 Fin							\$ 5.70 \$ 64.26	\$ 4.28 \$ 48.20	\$ 1.43 \$ 16.07
4.	Red River Valley Transmission Pipeline Contract 6C Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8.4± miles of 72" pl, including three 96" tunnels. Pipeline section extends east from Ct 6B near Glenfield to a termination point south of Sutton.	Jul-25 Oct-25	Prof Srvs Const, 2028 Fin							\$ 5.70 \$ 73.78	\$ 4.28 \$ 55.34	\$ 1.43 \$ 18.45
5.	Red River Valley Transmission Pipeline Contract 7A Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6.5± mi of 72" pl, including three 96" tunnels. Pl section extends east from Ct 6C near Sutton to a termination point south of Cooperstown.	Oct-25 Dec-25	Prof Srvs Const, 2028 Fin							\$ 5.70 \$ 59.82	\$ 4.28 \$ 44.87	\$ 1.43 \$ 14.96
6.	McClusky Facilities Final Design Services & Bidding Assist Scope: Final designs for McClusky Intake Pumping Station, Biota WTP, and McClusky Main Pumping Station. Need: Complete design so bids can be obtained for constructing the facilities.	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Oct-25	Prof Srvs	\$ 15.00	\$ 11.25	\$ 3.75						
7.	MO River Pumping Sta, Trans Main, & Utilities Ext Ct 3 Scope: Final design, construction, and construction phase services for pumping station and transmission pl for Washburn. Need: Advance design, obtain bids, and construct new raw water supply for City of Washburn.	Raw water pumping station and transmission main from Missouri River Pumping Station to the City of Washburn water treatment plant.	Jan-26 Jan-27 Jan-27	Prof Srvs Prof Srvs Const				\$ 0.40	\$ 0.30	\$ 0.10	\$ 0.40 \$ 4.00	\$ 0.30 \$ 3.00	\$ 0.10 \$ 1.00



2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

June 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
8.	McClusky Facilities Wetwell Excavation & Site Dev Ct 1	Access road improvements from Highway 200 north to the future biota water treatment plant site. Mass excavation of site and excavation of intake ps shaft.	Apr-26	Prof Srvs							\$ 1.20	\$ 0.90	\$ 0.30
	Scope: Construction and construction phase services for initial project at greenfield site.												
	Need: Prepare site and ready it for future construction of the biota water treatment plant.		Apr-26	Const							\$ 12.00	\$ 9.00	\$ 3.00
9.	McClusky Facilities Intake, Tunnel, & Shaft Liner Ct 2	Passive intake screens/structure on the McClusky Canal along with a 72" tunnel to the shaft/pumping station wetwell. Concrete shaft liner inside circular shaft excavated under Ct 1.	Jan-26	Prof Srvs	\$ 2.00	\$ 1.50	\$ 0.50						
	Scope: Final design services and bidding assistance for second construction project at the facilities site.			Prof Srvs									
	Need: Complete specialty work ahead of the main biota water treatment plant construction.			Const									
10.	McClusky Facilities Utility Extensions Design	Electrical system design to support a new power supply to the biota water treatment plant and associated ps along with the new ground storage reservoirs site.	Jan-26	Prof Srvs	\$ 1.50	\$ 1.13	\$ 0.38						
	Scope: Final design services and bidding assistance for power, natural gas, water utility extensions to the new sites.												
	Need: There is no 3-phase power available at the site so one needs to be developed to supply power needs of new facility.												
11.	PMIS Annual Licenses & Continued Maint/Upgrades	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of GCs/subs and workflow/report additions and mods.	Jul-25	Prof Srvs				\$ 0.50	\$ 0.38	\$ 0.13			
	Scope: Annual software license renewal for expanded team and consulting support for training and configuration services.												
	Need: Create greater efficiency and documentation for significant amount of construction related documents.												
12.	Program Management Support	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Oct-25	Prof Srvs				\$ 0.75	\$ 0.56	\$ 0.19			
	Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Diversion.												
	Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.												
13.	Project Participation Agreement Support	Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update CapEx estimates to reflect market.	Oct-25	Prof Srvs				\$ 2.00	\$ 1.50	\$ 0.50			
	Scope: User briefings and necessary support, including conceptual designs, to secure project commitments.												
	Need: Define pipeline extensions to identify for users how and at what cost water will be delivered to their communities.												
14.	Operational Planning Phase 4	Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.	Oct-25	Prof Srvs				\$ 1.50	\$ 1.13	\$ 0.38			
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.												
	Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.												



2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

June 5, 2025

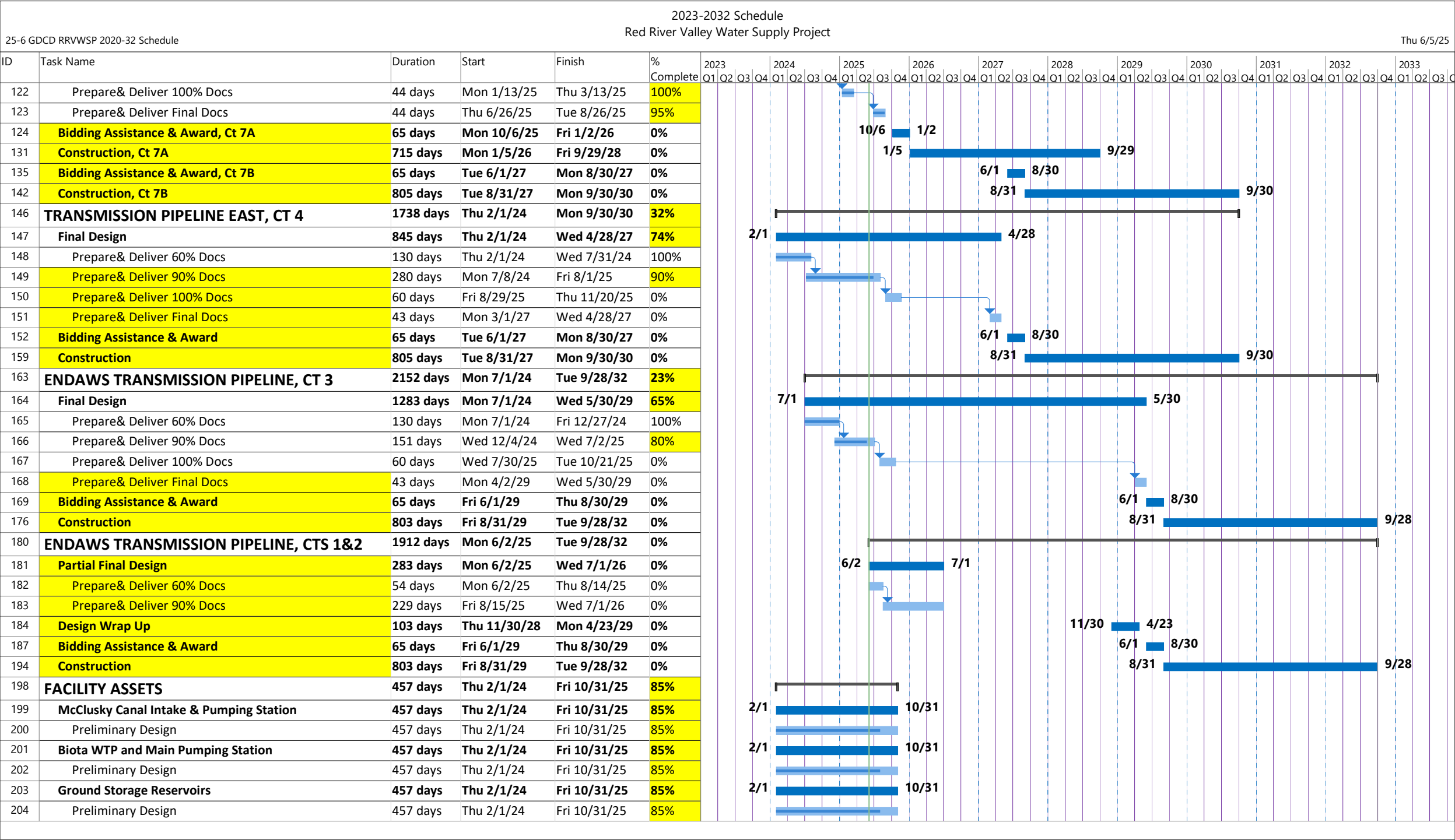
No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) ^{1,2,3}		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
15.	Financial Planning Support	Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.	Oct-25	Prof Srvs									
	Scope: Continue to refine the financial model and provide scenarios as required to support users and the program.							\$ 0.60	\$ 0.45	\$ 0.15			
	Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.												
16.	Contingency	Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.	N/A	GD CD									
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.				\$ 0.93	\$ 0.70	\$ 0.23	\$ 0.43	\$ 0.32	\$ 0.11	\$ 12.34	\$ 9.26	\$ 3.09
	Need: Address and pay for changes that are sure to occur.												
TOTAL PROGRAM BUDGET					\$ 19.43	\$ 14.57	\$ 4.86	\$ 9.00	\$ 6.75	\$ 2.25	\$ 244.90	\$ 183.68	\$ 61.23

Notes:

1. Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
2. Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
3. Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
4. Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damages, and field obstructions. Estimates include pipeline easements required for the Washburn transmission main and remaining easements on pipeline Contracts 1 through 4 in Sheridan and Wells Counties.

2023-2032 Schedule

Red River Valley Water Supply Project

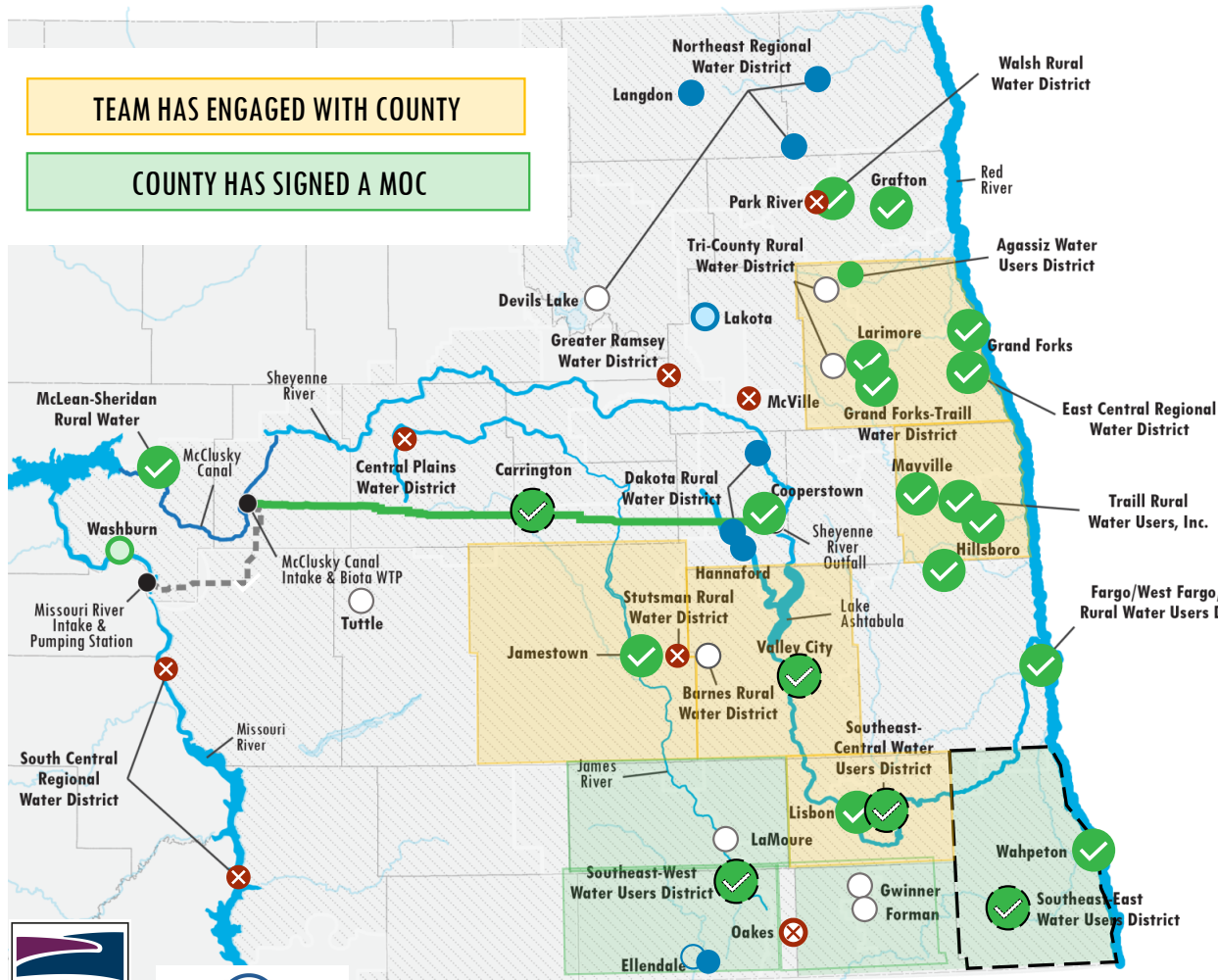


RRVWSP Prospective Users Update



TEAM HAS ENGAGED WITH COUNTY

COUNTY HAS SIGNED A MOC



GENERAL PROJECT RESPONSE		PREVIOUS ASSUMPTION	PROJECTED
✓	Signed MOCs	145.15 cfs	149.32 cfs*
●	Board/Commission Approval	1.00 cfs	1.00 cfs*
⊖	Nomination Change*	----	---
●	Positive	3.95 cfs	3.95 cfs
○	Unknown/Has Concerns	2.53 cfs	0.00 cfs
✗	Declined	6.60 cfs	0.00 cfs
Subtotal: 2016 Development Agreements		159.23 cfs	154.27 cfs
NEW USER ADDITIONS			
■	County Additions	8.00 cfs	8.00 cfs
●	Signed New Municipalities	0.45 cfs	0.45 cfs
●	Interested Municipalities	0.20 cfs	0.20 cfs
✗	New Municipality Declinations**	(0.60) cfs	(0.60) cfs
■	Engaged Counties	0.00 cfs	2.22 cfs
⊖	To Be Engaged Counties	0.00 cfs	TBD
Subtotal: Potential Additions		8.65 cfs	10.87 cfs

*Nomination Changes Included in Projected Values **TOTAL 167.88 cfs 165.14 cfs**

**Not Included in Total



June 16, 2025

RRVWSP Prospective Users Update

June 16, 2025

ANTICIPATED PROJECT PARTICIPANTS	NOMINATION (CFS)	GENERAL RESPONSE
Fargo/ West Fargo/ Cass Rural Water District	83.70	Signed Series D2 MOC
Grand Forks	28.10	Signed Series D2 MOC
Jamestown	11.00	Signed MOC
Wahpeton	6.00	Signed MOC
East Central Regional Water District (Grand Forks Traill, Traill Rural, Larimore)	4.40 (3.00, 1.10, 0.30)	Signed MOC
Stutsman Rural Water District	4.00	Declined
Southeast Water Users District	4.00	Signed MOC
Richland County	4.00	Signed MOC with Nomination Increase
Northeast Regional Water District / Langdon	3.20	Positive
Grafton	2.00	Signed MOC
Valley City	2.00	Signed Series D2 MOC with Nomination Increase
Lisbon	1.00	Signed MOC
Walsh Rural Water District	1.00	Signed MOC
Agassiz Water District	1.00	Approved MOC
Tri-County Rural Water District	1.00	On the Fence
Devils Lake	1.00	On the Fence with Discussion of Branch Pipeline Terminations
Greater Ramsey Rural Water	1.00	Declined
Dakota Rural Water District	0.70	Positive
Central Plains Water District	0.60	Declined
Oakes	0.60	Previously a Potential Addition, but has Now Declined
Carrington	0.50	Signed Series D2 MOC with Nomination Decrease
Mayville	0.50	Signed Series D2 MOC
Hillsboro	0.50	Signed Series D2 MOC
Barnes Rural Water District	0.50	Previously Withdrew but Reconsidering
South Central Regional Water District	0.50	Declined
Washburn	0.45	Signed MOC
McLean-Sheridan Water District	0.42	Signed MOC
Park River	0.40	Declined
Lakota	0.20	Potential Addition with Discussion of Branch Pipeline Terminations
Cooperstown	0.20	Signed Series D2 MOC
McVile	0.10	Declined
Hannaford	0.05	Will be served by Dakota Rural Water District in the future
Tuttle	0.02	On the fence
Forman	0.01	Considering
Sargent County	1.00	Signed MOC
LaMoure County	3.00	Signed MOC
Dickey County	4.00	Signed MOC
Ransom County	----	Team has Engaged with the County
Grand Forks County	----	Team has Engaged with the County
Traill County	----	Team has Engaged with the County
Stutsman County	----	Team has Engaged with the County
Barnes County	----	Team has Engaged with the County