

**LAKE AGASSIZ WATER AUTHORITY**

**BOARD OF DIRECTORS**

**City Commission Chambers  
Fargo, North Dakota  
January 16, 2024**

A meeting of the Lake Agassiz Water Authority (LAWA) board of directors was held at the City Commission Chambers, Fargo, ND, on January 16, 2024. The meeting was called to order by Chair Mahoney at 10:00 a.m.

**MEMBERS PARTICIPATING**

Chair Timothy Mahoney  
Vice Chair Ken Vein  
Director LaVonne Althoff (by video conference)  
Director Rick Bigwood  
Director Bill Bohnsack  
Director Dave Carlsrud  
Director Tom Erdmann (by video conference)  
Director Mark Johnson  
Director Jim Schmaltz  
Director Travis Schmidt  
Alternate Brian Reilly for Director Keith Nilson (by video conference)  
Associate Member Bernie Dardis  
Secretary Duane DeKrey

**MEMBERS ABSENT**

Associate Member Jim Moe  
Associate Member Brett Lambrecht  
Associate Member Carol Siegert

Garrison Diversion staff and others attended. A copy of the registration sheet is attached to these minutes as Annex I.

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

**APPROVAL OF AGENDA**

**Motion by Director Johnson to approve the board meeting agenda. Second by Director Bohnsack. Upon voice vote, motion carried.**

## **CONSIDERATION OF MINUTES**

**Motion by Director Schmaltz to approve the October 11, 2023, Special LAWA Board minutes; October 11, 2023, Regular LAWA Board minutes; and October 26, 2023, Special LAWA Board minutes as distributed. Second by Director Schmidt. Upon voice vote, motion carried.**

## **OFFICER REPORT**

Vice Chairman Vein reported on various meetings regarding the RRVWSP he has been involved in since the last LAWA Board meeting, including the RRVWSP Partnering Session, LAWA Technical Advisory Committee (TAC) and Financial Advisory Committee (FAC). He has also been taking part in discussions with the engineering team on risk assessment, staffing and dashboard issues.

## **COMMITTEE REPORTS**

### **Technical Advisory Committee**

Kip Kovar, Deputy Program Manager, RRVWSP Engineering, reported the LAWA TAC met on December 12 to consider a number of items, including task orders, program cost update and the hydraulic analysis. The TAC also requested additional information in regard to construction such as summary reports from the field inspectors.

### **Program Cost Update**

Paul Boersma, Black & Veatch, provided a PowerPoint presentation regarding the program cost update for the RRVWSP, stating the original programmatic cost update was done in 2022. It was updated in December 2023, and there is an inflationary increase in the cost estimate. These impacts were anticipated in the financial modeling done in 2022/2023 and have been incorporated into the models.

Mr. Boersma explained there are three different cost estimates when dealing with the RRVWSP. They are the programmatic cost estimate, biennium work plan budgets and the engineer's estimate.

The programmatic cost estimate is being discussed today. It is the entire cost of the RRVWSP, including ENDAWS, as well as administration, engineering and construction. This cost estimate was last done in March 2022 and is now being updated to January 2024 dollars, including inflation and new construction data.

Mr. Boersma reviewed programmatic costs completed in March 2022. The facilities were based on the 2018 Preliminary Design Report (PDR) plus a 25% contingency. The pipeline was based on actual bids from Contracts 5A and 5B plus a 5% contingency. The March 2022 programmatic cost estimate was \$1.083 billion for the ENDAWS Project. Using inflation, that would be \$1.230 billion in January 2024 dollars.

Mr. Boersma reported the LAWA TAC evaluated the programmatic cost estimate based on:

>Low bid for recently bid pipeline segments (5D and 5C – 20 miles of pipeline)

- >Average low bids
- >Average of two lowest bids for each project

The conclusion made by TAC is they are comfortable staying with the programmatic cost estimate based on the bid results received to date for Contracts 5C and 5D, and no other programmatic cost changes are recommended at this time.

TAC recommended/requested:

- >Maintaining the inflation adjusted programmatic cost estimate
- >Additional market research on evaluating construction market conditions
- >Completing a segment-by-segment programmatic cost update

**Task Orders** - - Mr. Kovar reviewed the ENDAWS Task Orders included with the board meeting materials.

#### ENDAWS (Eastern North Dakota Alternate Water Supply) Task Orders

##### Task Order 2250 – McClusky Canal Intake & Pumping Station Preliminary Design (PD)

The objective of Task Order 2250 is to complete a preliminary design for the McClusky Canal Intake and Pumping Station, which will be an approximated 2,400 HP pump station designed to convey 165 cubic feet per second (cfs) of flow. The cost of the task order is \$751,031. A copy of the task order's executive summary is attached to these minutes as Annex II.

**Motion by Director Carlsrud to approve the ENDAWS Task Order 2250, McClusky Canal Intake & Pumping Station Preliminary Design, in the amount of \$751,031. Second by Vice Chair Vein. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt and Vein. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

##### Task Order 3210 – Biota Water Treatment Plant & McClusky Main Pumping Station PD

The objective of Task Order 3210 is to complete a preliminary design for the Biota Water Treatment Plant (BWTP) and the McClusky Main Pumping Station (McMPS). The BWTP generally consists of sediment/sand removal, ultraviolet (UV) disinfection and chlorine disinfection. The primary treatment goal for the BWTP is to limit the likelihood that Aquatic Invasive Species (AIS) would be transferred from the Missouri River watershed to the Hudson Bay watershed. The cost of the task order is \$2,872,752. A copy of the task order's executive summary is attached to these minutes as Annex III.

**Motion by Director Bigwood to approve ENDAWS Task Order 3210, Biota Water Treatment Plant & McClusky Main Pumping Station Preliminary Design, in the amount of \$2,872,752. Second by Director Johnson. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt and Vein. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

## Task Order 4250 – Hydraulic Break Tank PD

The objective of Task Order 4250 is to complete a preliminary design for the Hydraulic Break Tanks, which will be two approximated million-gallon break tanks at the point where the pipeline transitions from pressure flow to gravity flow. The cost of the task order is \$370,443. A copy of the task order's executive summary is attached to these minutes as Annex IV.

**Motion by Director Johnson to approve ENDAWS Task Order 4250, Hydraulic Break Tank Preliminary Design, in the amount of \$370,443. Second by Director Schmaltz. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt and Vein. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

## RRVWSP Task Orders

### Task Order 1520 – Operational Planning, Phase 3

Steve Burian, Burian & Associates, presented Task Order 1520, stating operational planning started as support for the federal RRVWSP. When it changed to the state RRVWSP, it was decided to break the project down into phases. Phase 2 of the operational planning is wrapping up so this task order moves to Phase 3.

Mr. Burian explained the five different phases of drought to be monitored and operated within.

The purpose of Task Order 1520 is to continue ongoing analysis of the RRVWSP operations through discussions with the system users, Garrison Diversion, Corps of Engineers and the State. There are five objectives: 1) update project operations description and assumptions, 2) update project governance, 3) draft an update to project water supplies that incorporates updated source water refreshing and water management strategies for ENDAWS and identifies the James River alternative usage options, 4) update pipeline and reservoir operations by supporting the Corps of Engineers' water control manual update and 5) update the preliminary water accounting model. The cost of this task order is \$462,030. A copy of the task order's executive summary is attached to these minutes as Annex V.

**Motion by Director Bigwood to approve RRVWSP Task Order 1520, Operational Planning Phase 3, in the amount of \$462,030. Second by Director Schmidt. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt and Vein. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

### Task Order 1530 – Project Management Information System Procurement & Implementation Services (PMIS), Phase 2

Mr. Kovar presented and reviewed Task Order 1530, stating the purpose of this task order is to provide administrative support for the PMIS (e-Builder). Black & Veatch will administer the PMIS to support daily operations, deliver user training, subscription renewal and implement system enhancements based on Garrison Diversion's needs. The task order is for the next biennium, running through December of 2025. The cost of the task order is \$498,000. A copy of the task order's executive summary is attached to these minutes as Annex VI.

**Motion by Director Johnson to approve RRVWSP Task Order 1530, Project Management Information System Procurement & Implementation Services (PMIS) Phase 2, in the amount of \$498,000. Second by Director Bohnsack. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt and Vein. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

Task Order 5340 – Transmission Pipeline East, Contract 4, Final Design Services & Bidding Assistance

Mr. Kovar presented Task Order 5340, stating it takes 30-percent plans and specifications for Contract 4 to final documents for public bidding. Contract 4 begins four miles east of Hurdsfield, North Dakota, and extends 27 miles east. Final design services include pipeline design, reassessment of jurisdictional wetlands, permitting and surveying assistance, hydraulic modeling update, expanded geotech investigation and trenchless crossings. Bidding assistance includes up to three projects (Contracts 4A, 4B and 4C). The cost of this task order is \$7,183,000. A copy of the task order's executive summary is attached to these minutes as Annex VII.

Mr. Kovar commented Contract 4 would be shovel ready next biennium.

Director Schmaltz asked how much has been completed design wise on the project.

Mr. Kovar said Contract 6 is fully designed and ready to bid. Contract 7 is in final design. All of Contract 5 is taken care of. Authorization for Contract 4 final design is being requested today. Contracts 1-3, which is the ENDAWS portion, is broken into three segments, with final design authorized for one segment.

Mr. Kovar added the 27 miles on Contract 4 is roughly \$150 to \$160 million of construction costs.

**Motion by Director Schmidt to approve RRVWSP Task Order 5340, Transmission Pipeline East, Contract 4, Final Design Services and Bidding Assistance, in the amount of \$7,183,000. Second by Director Schmaltz. Upon roll call vote, the following directors voted aye: Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt, Vein and Althoff. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

### **Financial Advisory Committee (FAC)**

Maureen Storstad, Co-Chair, LAWA FAC, provided an overview from the FAC meeting held on January 9 to review the proposed two-tier methodology, and financial model updates, as well as to discuss the upcoming user meetings.

### 2024 LAWA Proposed Budget

Ms. Storstad reviewed the proposed 2024 LAWA budget, which includes expenses of \$205,550 and income of \$80,000, which the committee recommends for board approval. A copy of the budget is attached to these minutes as Annex VIII.

Merri Mooridian, Deputy Program Manager, RRVWSP Administration, said this appears to be a very lean budget; however, it does not include the bond payments for Series C and Series D. This budget includes everything that comes out of the LAWA checking account. Garrison Diversion took out the Series C bond, and Series D was approved. Those payments come from the systems to Garrison Diversion.

**Motion by Director Bigwood to approve the proposed 2024 LAWA Budget. Second by Director Johnson. Upon roll call vote, the following directors voted aye: Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt, Vein, Althoff and Bigwood. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

#### Proposed Two-Tier Cost Allocation

Ms. Storstad referred to the letter prepared as a review of the tiered allocation model adjustments. A copy of the letter is attached to these minutes as Annex IX.

Ms. Storstad explained the development process methodology for the new allocation model. This process began due to concerns expressed during the initial Project Participation Agreement (PPA) review. A working group, including LAWA leadership, explored potential changes that led to the new approach. Select participants and the FAC then provided feedback and adjustments. As a result, LAWA FAC is recommending approval of the proposed two-tier cost allocation.

Ms. Storstad commented the new two-tiered system is a more simplified approach but also fair and equitable.

Considerations and revisions with the recommended approach:

- Varied Cost by Use Type
  - Better balance benefits between domestic and industrial water (i.e. same tiering) while maintaining the user group philosophy
- Project Changes and Recent Financial Success
  - Updated mode to reflect new cost estimates and ENDAWS alternative
- Simplification
  - Assign users to two tiers to eliminate four tier assignment methodology
- Policymaker Support
  - No longer explicitly defining industrial water as 'cheapest' and reduced for easier explanation
- Equitable
  - Ensure financial impacts are in line with the benefits received

Ms. Storstad reviewed recent financial success which led to multiple changes incorporated in the updated allocation model. This includes significant funding received this biennium from the state, future legislative intent approved at \$953 million, ENDAWS Alternative has a Record of Decision, favorable financing terms negotiated with Bank of North Dakota and progress made on financial planning for user participation.

Shawn Gaddie, Advanced Engineering & Environmental Services (AE2S), described the recommended two-tiered allocation approach looking at the idea of how a system will become a Tier 1 or Tier 2 user.

#### Domestic Usage

- Tier 1: Large current drought need or supply replacement
- Tier 2:
  - Minor shortage during droughts
  - Redundant supply needs or return flows (2<sup>nd</sup> to use water)
  - Significant additional access infrastructure required

#### Industrial Usage

- Tier 1: On the core system (direct pipeline or direct river access)
- Tier 2: Requires significant additional access infrastructure

Mr. Gaddie noted how a user chooses to access the project is important in terms of how they ultimately would be assigned to a tier system. An example would be the users in the northeast corner of the state. They could either access off of the river system or the Beach Ridge pipeline.

Mr. Gaddie presented and reviewed a current versus proposed tier assignment table. This is a summary table showing where the user was and where it is proposed the user will be under the newly recommended model. Current versus proposed allocation results were also presented. This information will be reviewed with each of the users at the upcoming user meetings.

Ms. Storstad added ultimately, the FAC wants to be fair and equitable with how the costs are allocated with the benefits received from the RRVWSP. She believes they came to a good conclusion with a recommendation to equitably move forward.

Bernie Dardis, LAWA Associate Member, said when looking at the allocation dynamics, there are some communities included that have not yet committed to the RRVWSP. So, the calculations in the best case scenario, portray them all as participants. Is there an alternate look if some of those communities drop out? He also asked if Moorhead is included with Fargo.

Mr. Gaddie added it is a bit of a moving target as they go through the user meeting process. There may be users added and users removed from the list. Nominations may also change. The allocation model was tested based upon the nominations as they were established through the PPA process. All of the users that signed a project development agreement in 2016, and the nominations associated with that, were what the allocation model was based upon.

Mr. Gaddie stated Moorhead is currently not included. If Moorhead is added, either through a Fargo nomination or independently, that would modify the allocation. This would be the approach through which they continue to look at things as those dynamics shift and as they go through discussions over the course of the next year.

Associate Dardis said his main question is when looking at the percentage of allocations for Fargo/West Fargo/Cass Rural if there are some users that drop out, does the percentage increase.

Mr. Gaddie replied yes, the percentage would change. Fargo (proposed at 62.81%) and Grand Forks (proposed at 16.92%) are for certain in the project. In that instance, under the new

model, that is about 80% of the project. The real key is in the remaining 20%. How much potential movement is there, and that is where the sensitivity of this will lie. Where are the changing dynamics within the 20%? The allocations will continue to be updated as more is learned from the user meetings.

Associate Dardis asked if there is a timeline set for determining the final participants.

Mr. Gaddie said the goal is, through the year 2024, to get to the point to execute the PPA. Once the PPA is executed, the allocations percentages will be finalized.

**Motion by Director Carlsrud to approve the proposed RRVWSP two-tier cost allocation. Second by Director Bigwood. Upon roll call vote, the following directors voted aye: Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz, Schmidt, Vein, Althoff, Bigwood and Bohnsack. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

### **RED RIVER VALLEY WATER SUPPLY PROJECT UPDATE**

**Construction Update** - - Mr. Kovar shared a PowerPoint presentation as a review of the RRVWSP construction contracts, consisting of completed and ongoing projects.

#### Completed

- Missouri River Intake, Wet Well & Site Dev Ct 1 (2022 – Industrial Contract Services)
- Sheyenne River Outfall, Disch Str & Site Dev Ct 2 (2022 – Industrial Builders)
- Transmission Pipeline East Ct 5A (2022 – Garney)
- Missouri River Intake, Screen Structure and Tunnel Ct 2 (2023 – Michels)

#### Underway

- Transmission Pipeline East Ct 5B (2024 – Garney)
- Transmission Pipeline East Ct 5C (2026 – Oscar Renda)
- Transmission Pipeline East Ct 5D (2026 – Carstensen)

The original total amount of all RRVWSP construction contracts is \$218 million. Change orders total (\$722,520), for a revised total amount of \$217.3 million or a -0.3% change.

Pending change orders amount to \$1.3 million, likely resulting in a revised amount on contracts of \$219.4 million or a 0.6% change.

### **Contract 5B**

Mr. Kovar also reported on the construction status of Contract 5B, highlighting contractor-initiated improvements and challenges encountered. In 2022, approximately a mile and a half of pipeline was installed. Four miles of pipeline was installed in 2023, and a little over three miles remains to be installed in 2024. The contract is for a total of nine miles.

Various photos from the Contract 5B construction site were shared showing construction activities and the challenging conditions with dewatering and cobbles and boulders. The contract has used sandpoints/wellpoints and drain tile for dewatering with some success.

Mr. Kovar said adjustments are being made for 2024 by allowing for more time and using better dewatering tactics.



Mr. Kovar also reviewed a list of potential change order items and the current contract price and timeline for Contract 5B. The original contract value was \$45,961,700. The current contract amount is \$44,932,678, which includes approved change orders to date. The original substantial completion date was September 30, 2023, and the current final completion date of this contract is December 24, 2023.

The 2024 construction schedule was presented by representatives from Garney Construction (Garney) at Garrison Diversion's Executive Committee meeting in December showing remobilization May 1, 2024, and pipe installation finishing up by September 25. Hydrotesting is planned for November 18, 2024, with all work completed by December 12, 2024.

Mr. Kovar stated if Garney completes its work with its current 2024 schedule, liquidated damages would amount to \$780,000 which is \$2,000 per day. Liquidated damages are based on the number of days past the due dates.

**2024 Construction Outlook** - - Mr. Kovar reported construction will be changing in Foster County in 2024. The Garney crew will be wrapping things up on Contract 5B. Two new construction companies, Carstensen and Oscar Renda, will have crews in the area beginning work on pipeline Contracts 5C and 5D. The amount of field staff will also be increasing.

Carstensen and Oscar Renda are both currently planning for pipeline and aggregate deliveries over the winter.

**2023-2025 Biennium Work Plan/Budget** - - Mr. Kovar reviewed the work items included in the RRVWSP 2023-2025 Work Plan with a total budget amount of \$244 million. Over the last six months, Garrison Diversion staff and the engineering team have been pulling contracts and task orders together. As of today, almost the entire budget amount is under contract. A copy of the work plan is attached to these minutes as Annex X.

Mr. Kovar pointed out Item No. 5, RRV Transmission Pipeline Contract 6A, is on hold until it is known how many of the small system users have signed the PPA.

**Work Plan Update** - - Mr. Kovar referred to a copy of the RRVWSP Work Plan Update dated December 5, 2023, which summarizes engineering and construction activities. A copy of the work plan update is attached to these minutes as Annex XI.

**Land Acquisition Update** - - Mr. Kovar reported approximately 70 percent of the right-of-way has been acquired in the ENDAWS section of the RRVWSP located in Sheridan County.

**Program Schedule** - - Ms. Mooridian reviewed the 2020-2027 RRVWSP Program Schedule dated January 4, 2024. The schedule focuses on the ongoing construction projects, including substantial and final completion dates.

**RRVWSP 2024 Work Plan** - - Mr. Kovar referred to the 2024 RRVWSP Work Plan included in the meeting materials. This shows an itemized list of the work staff has planned on the project for this year and is provided for the board's information.

**User Outreach Meetings** - - Mr. Burian provided an update on the user outreach meetings, reporting the financial advisory team has put together a four-page 2024 financial summary that does a good job of outlining how the particular user would fit into the RRVWSP. As a result, they would like to pivot a bit on the information package. The extensive information will still be

available, but it is believed getting the four-page summary out to the users and getting them engaged with that could be beneficial. Once the user becomes more involved with that, they would be provided with a more detailed informational packet.

## **FINANCIAL REPORT**

**2023 Budget Analysis Statement** - - Ms. Mooridian reviewed the Budget Analysis Statement for the period of January 1, 2023, to December 31, 2023, a copy which is attached to these minutes as Annex XII.

Ms. Mooridian stated total income through December is \$628,838. Expenses are \$746,377.

The total bank balance at the end of December was \$380,851.

Ms. Mooridian also reviewed the bills paid since the last board meeting to cover legal fees and the local cost share.

**Motion by Director Johnson to approve the Budget Analysis Statement for the period of January 1, 2023, through December 31, 2023. Second by Director Bohnsack. Upon roll call vote, the following directors voted aye: Erdmann, Johnson, Mahoney, Schmaltz, Schmidt, Vein, Althoff, Bigwood, Bohnsack and Carlsrud. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

**2024 LAWA Membership Fees** - - Ms. Mooridian referred to the draft letter, along with the 2024 dues statement, proposed for mailing to the LAWA members to collect annual membership dues. She asked the board to approve billing for the 2024 LAWA membership dues.

**Motion by Director Schmaltz to approve billing LAWA members for 2024 membership dues. Second by Director Bigwood. Upon roll call vote, the following directors voted aye: Johnson, Mahoney, Schmaltz, Schmidt, Vein, Althoff, Bigwood, Bohnsack, Carlsrud and Erdmann. Alternates voting aye: Reilly. Those voting nay: none. Motion carried.**

**Summary of Membership Dues** - - Ms. Mooridian referred to the table illustrating membership dues received. The amount of dues income received for 2023 is \$30,650.

## **UNFINISHED BUSINESS**

**City of Washburn** - - Mr. Burian reported work continues with the City of Washburn as a potential user of the Missouri River Intake structure.

LAWA and Garrison Diversion representatives have worked with the ND Department of Emergency Services, which indicated Washburn would possibly be eligible for a FEMA grant for their participation in the RRVWSP. The draft FEMA application was submitted to the Department of Emergency Services last week. They will help the city submit the final application in February, and a decision on the grant is expected in July.

Mr. Burian added no reimbursement can be received for any of the fixtures already in the ground. The pump station and the pipeline to be built to Washburn can potentially be considered for a FEMA grant for up to 75%. For the project component that would come off

the top, Washburn would take the 25% and submit that to the state for another 75/25% cost share. In essence, Washburn would only end up paying 25% of 25%, and the incremental addition to add them to the RRVWSP would be very insignificant.

Mr. Burian also reported the potential of Rainbow Energy using the Missouri River Intake is more of a state consideration, and it is up to the Department of Water Resources and the governor how they wish to proceed on this issue.

## **NEW BUSINESS**

### **Associate Members**

Chairman Mahoney informed the board Devils Lake and Wahpeton have expressed interest in opting out of their associate member positions on the LAWA Board.

Ms. Mooridian pointed out there is also an associate member who has not been in attendance at the board meetings for quite some time. She asked how the board would like to handle the matter regarding these associate members' positions.

Chairman Mahoney requested a report on this issue be brought back to the next board meeting.

Ms. Norgard said according to the LAWA Bylaws, the board has the ability to appoint the associate members for a one-year term at their re-organizational meeting. She suggested waiting to have a re-organizational meeting and appointing new associate members or there could be a majority vote of the board to discontinue these individuals' associate member positions.

The meeting adjourned at 11:40 a.m.

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Timothy Mahoney, Chair

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Duane DeKrey, Secretary

REGISTRATION

LAWA Board Meeting  
Fargo Commission Chambers

January 16, 2024

NAME	ADDRESS
Lisa Schaefer	MOORE
Steve L. Burien	Burien + Associates
Keith Mykseth	EAST GRAND FORKS WATER & LIGHT
SEAN GORDIE	AGCS
Bryant Erickson	AELS
Kimberly Cook	GDCD
Brent Brinkman	Cass Rural water District
Dave Piepkorn	City of Fargo
Tom Hall	City of Fargo
Marc Pritchard	Moorehead Public Service
Tami Norgard	Vogel Law Firm
Rick Bywood	Northeast Regional Water
Mark Johnson	Cass Rural water & LAWA
Bill Bohnsack	City of Mayville
ALAN M. WALTER	GDCD - WARD CO
Jim Schwartz	EAST CENTRAL & N.D. WATER
Travis Schmidt	Moorehead Public Service
DAN PORTLOCK	CITY OF FARGO
BERNIE JARDIS	City of West Fargo
Michael Bellinger	City of Fargo
JP Kovar	GDCD
Paul Boersma	BTV
John T. Shockley	West Fargo, ND - LAWA
Dave Carlstad	Valley City LAWA
Todd Feland	City of Grand Forks
Ken Vein	City Grand Forks - LAWA
Tim MATTHEWS	City of Fargo, Mayn
Sgt Paul Anderson	GDCD
Michael Anderson	Hillsboro State Water Commission

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**ENDAWS Task Order 2250 – Eastern North Dakota Alternate Water Supply  
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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**REQUEST**

Consideration and approval of a preliminary design task order in the amount of \$751,031 for preliminary design associated with the McClusky Canal Intake and Pumping Station as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order advances the appraisal-level design completed under the Bureau of Reclamation's ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

**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:** The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$36 million:

	Fee	% of Const
1) Task Order Management and Administration	\$93,294	0.26%
2) Special Project and Third-Party Meetings	\$31,710	0.09%
3) Final Site Selection, Site Reconnaissance and Landowner Communication Support Services	\$20,523	0.06%
4) Coordination of Land Acquisition, Geotechnical Investigation, and Environmental/Cultural Surveys	\$12,213	0.03%
5) Preliminary Design Services	\$592,432	01.65%
Totals	\$751,031	2.08%

**Special Services:** There are no unique or specialized services required under this task order.

**PROJECT OVERVIEW**

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located adjacent to the McClusky Canal, and adjacent to the Biota Water Treatment Plant site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Review the final site location for the intake and pumping station, including development of a final site selection technical memorandum,
- Coordination between this task order and the Task Order 3210 – Biota Water Treatment Plant & Main Pumping Station Task Order, including
  - Property acquisition and preliminary geotechnical investigation support
  - Environmental/cultural/threatened and endangered species surveys and reports
  - Topographic site plans, and routing necessary utilities to the site

**ENDAWS Task Order 2250 – Eastern North Dakota Alternate Water Supply  
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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- Preliminary Design to complete permitting, a refinement of system hydraulics, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the intake, pumping station size, and necessary utilities are fully defined, and
- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables.

## ENDAWS Task Order 3210 – Eastern North Dakota Alternate Water Supply Preliminary Design Services

Task Order Effective Date: February 1, 2024

### TASK ORDER EXECUTIVE SUMMARY

#### REQUEST

Consideration and approval of a preliminary design task order in the amount of \$2,872,752 for preliminary design associated with the Biota Water Treatment Plant and McClusky Main Pumping Station as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order (TO) advances the appraisal-level design completed under the Bureau of Reclamation's ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

#### 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:** The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$142 million:

	Fee	% of Const
1) Task Order Management and Administration	\$172,472	0.12%
2) Special Project and Third-Party Meetings	\$111,005	0.08%
3) Land Acquisition Services	\$177,122	0.12%
4) Field Services	\$394,775	0.28%
5) Preliminary Design Services and OPCC	\$1,852,104	1.30%
6) NDPDES Permitting Support	\$165,274	0.12%
Totals	\$2,872,752	2.02%

**Special Services:** There are no unique or specialized services required under this task order.

#### PROJECT OVERVIEW

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located adjacent to the McClusky Canal Intake Pumping Station site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Provide land acquisition services for up to four parcels of property to acquire the sites for the McClusky Canal Intake Pumping Station (TO 2250), the Biota Water Treatment Plant and McClusky Main Pumping Station, as well as the Hydraulic Break Tanks (TO 4250),
- Additional Field Services to utilize and build upon the initial field reconnaissance, topographic mapping and field surveying work completed under previous task orders, as well as wetland delineation, to identify various constraints that may impact either the purchase price or the use of the land associated with the four facilities,
- Preliminary Design to provide:
  - Preliminary site layout, access plan, and Utility Extension Plan,
  - Preliminary building layout, process mechanical layout and P&IDs for the facilities,



**ENDAWS Task Order 3210 – Eastern North Dakota Alternate Water Supply  
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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- Hydraulic Analysis and Process Engineering including basis of design level treatment requirements, water quality sampling and analysis, bench-scale testing, Process Design technical memorandum,
- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables, and
- North Dakota Pollutant Discharge Elimination System (NDPDES) Permitting Services

**ENDAWS Task Order 4250 – Eastern North Dakota Alternate Water Supply  
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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**REQUEST**

Consideration and approval of a preliminary design task order in the amount of \$370,443 for preliminary design of two Hydraulic Break Tanks, as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order advances the appraisal-level design completed under the Bureau of Reclamation's ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

**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:** The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$23 million:

	Fee	% of Const
1) Task Order Management and Administration	\$61,157	0.27%
2) Special Project and Third-Party Meetings	\$34,011	0.15%
3) Final Site Selection, Site Reconnaissance and Landowner Communication Support Services	\$19,355	0.08%
4) Coordination of Land Acquisition, Geotechnical Investigation, and Environmental/Cultural Surveys	\$8,917	0.04%
5) Preliminary Design Services	\$246,596	1.07%
Totals	\$370,443	1.61%

**Special Services:** There are no unique or specialized services required under this task order.

**PROJECT OVERVIEW**

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located nearby the Biota Water Treatment Plant site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Review the final site location for the Hydraulic Break Tanks, including development of a final site selection technical memorandum,
- Coordination between this task order and the Task Order 3210 – Biota Water Treatment Plant & Main Pumping Station Task Order, including
  - Property acquisition and preliminary geotechnical investigation support
  - Environmental/cultural/threatened and endangered species surveys and reports
  - Topographic site plans, and routing necessary utilities to the site
- Preliminary Design to complete permitting, a refinement of system hydraulics within the Hydraulic Break Tanks, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the tanks and necessary utilities are fully defined, and

**ENDAWS Task Order 4250 – Eastern North Dakota Alternate Water Supply  
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables.

**RRVWSP Task Order 1520 – Operational Planning Phase 3**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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**REQUEST**

Consideration and approval of a task order in the amount of \$462,030 for ongoing analysis of the RRVWSP operations. The Phase 1 and Phase 2 Operations Task Orders made significant progress in evaluating how drought data will be collected, the Lake Audubon and McClusky Canal operating strategies, the governance of the RRVWSP, water accounting tools, and management protocols. The progress has been reported through technical memorandums and with ongoing meetings with the Operations Subcommittee. Ongoing meetings with USACE and the State have also been had.

The purpose of this task order is to continue to formalize these plans through discussions with the Users, Garrison Diversion, USACE and the State. Technical memorandums will be developed for Tasks 2 - 8 described below. The task order include scope and fee for the Wilson Water Group. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

**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:** The estimated hourly fee and expenses for standard and customary engineering evaluations:

	Fee
TASK ORDER	
Task 1 – Task Order Management and Administration	\$28,301
Task 2 – RRVWSP Planning, Review, and Direction	\$82,507
Task 3 – Technical Report	\$56,227
Task 4 – Operational Description and Assumptions	\$52,504
Task 5 – Project Governance	\$30,177
Task 6 – Water Supplies	\$52,983
Task 7 – Pipeline and Reservoir Operations (with WWG)	\$137,744
Task 8 – Water Accounting	\$21,357
Total	\$462,030

**Special Services:** There are no unique or specialized services required under this task order.

**RRVWSP Task Order 1530 – Project Management Information System  
Procurement and Implementation Services Phase 2**

Task Order Effective Date: November 1, 2023

**TASK ORDER EXECUTIVE SUMMARY**

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**REQUEST**

Consideration and approval of a consultant task order in the amount of \$498,000 to administer and support the Project Management Information System (PMIS). Black & Veatch (BV) will administer the PMIS to support daily operations, deliver user training, and implement system enhancements based on Garrison Diversion's needs. Additionally, BV will renew software licenses and subscriptions in support of the current implementation. These professional services are provided on an hourly basis; the fee is estimated based on the scope and nature of the work for the 2023-2025 biennium.

**TASK ORDER OBJECTIVES**

The first objective of this Task Order is to provide administrative services for the e-Builder PMIS. This includes maintaining system level configuration and support of users. System Administrative Support Services will be provided by BV to support the ongoing maintenance activities.

The second objective is to renew the e-Builder PMIS subscription and maintenance for the duration of this Task Order.

The third objective is to provide Garrison Diversion Change Management Support, including training of both internal and external users, process owners, and stakeholders as well as maintenance/updating user documentation.

The fourth objective is to identify and configure new processes and make system enhancements as the Task Order funding allows. Continuous Improvement Support Services will be provided by BV in collaboration with Garrison Diversion.

**TASK ORDER SUMMARY**

The services to be provided by the consulting team are fully described in the attached Task Order. The estimated hourly fee and expenses for the PMIS software solution and implementation services of Basic Services, including extensive training opportunities for staff, are as follows for 2023-2025 Biennium:

Task Description	Two-Year Fee
Task Order Management and Administration (BV and Sub)	\$25,199
Special and Third-Party Meetings (BV and Sub)	\$12,764
e-Builder Licenses and Implementation Services (e-Builder)	\$163,852
PMIS System Administration (BV and Subs)	\$239,803
Continuous Improvement Support (BV and Subs)	\$56,382
Total	\$498,000

**RRVWSP Task Order 5340 – Transmission Pipeline East, Contract 4**  
**Final Design Services and Bidding Assistance**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**
**REQUEST**

Consideration and approval of a final design and bidding assistance task order in the amount of \$7,183,000 for the Red River Valley Transmission Pipeline's Contract 4 pipeline. The Task Order takes 30-percent plans and specifications to final documents for public bidding. The bulk of the services included in this Task Order will begin in February 2024 and finish by December 2025. Bidding assistance schedules may extend past that finish date as construction projects move forward to the bid phase funding dependent. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and an approximate 24-month schedule.

**TASK ORDER SUMMARY**

The services to be provided by the engineering team (Black & Veatch, AE2S, Ulteig, Materials Testing Services, and Prairie Soil Consulting) are fully described in the attached Task Order. The following summarizes each of the major tasks.

**Basic Services:** The estimated hourly fee and expenses for standard and customary design services and bidding assistance are as follows, for a construction project with a capital cost expected to be north of \$200 million (72-inch pipe):

	Fee	% of Const
Task Order Management and Administration	\$571,725	0.29%
Special Project and Third-Party Meetings	\$297,108	0.15%
Landowner Communication and Easement Modifications	\$190,440	0.10%
Field Services	\$1,662,972	0.83%
Final Design Services (30-percent documents to final plans and specifications)	\$3,992,423	1.99%
Contract 4A Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
Contract 4B Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
Contract 4C Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
<b>Totals</b>	<b>\$7,183,000</b>	<b>3.60%</b>

**Special Services:** There are no unique or specialized services required under this task order.

**PROJECT OVERVIEW**

A map showing the location of the project is included in the background information of the attached Task Order. Contract 4 begins four miles east of Hurdsville, ND at 4<sup>th</sup> Street NE and 33<sup>rd</sup> Avenue NE and extends 27 miles east to 57<sup>th</sup> Avenue NE. Elements of the design project are:

- Surveying services for easement changes and topographic delineation as required
- Coordination and consultation with USACE on its reassessment of jurisdictional wetlands considering the recent SCOTUS ruling as it pertains to WOTUS
- Crossings and other permitting assistance
- Updating the hydraulic model for the hybrid ENDAWS/RRVWSP system, distributing demands along the pipeline, and documenting that effort in a system hydraulics report
- Expanded geotechnical and geo-hydraulic investigation with 75 borings, slug testing, laboratory testing of soil samples, and reporting
- Design of 27-miles of 72- to 84-inch pipe, with an impressed current corrosion protection system
- Up to twenty 96- to 108-inch dia trenchless crossings in total (19 wetland, 1 state highway); other crossings will be open cut; buried PVC raceway for future fiber optic cable (in tunnel casings only)
- Strict stripping, stockpiling, and replacement of topsoil/subsoil to facilitate easement restoration

**RRVWSP Task Order 5340 – Transmission Pipeline East, Contract 4**  
**Final Design Services and Bidding Assistance**

Task Order Effective Date: February 1, 2024

**TASK ORDER EXECUTIVE SUMMARY**

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**RISK CONSIDERATIONS**

Tunneling has a variety of uncertainties and risks beyond those of open-cut pipeline installation. To mitigate Garrison Diversion's exposure to some of these risks, a two-part geotechnical investigation/report – a geotechnical data report and a geotechnical baseline report – are included as Contract Documents outlining the conditions the Contractor should expect when tunneling (i.e., the baseline). All contractors will be bidding the same baseline conditions with similar assumptions.

A high groundwater table and varying soil conditions of glacial geology pose certain risks during both open-cut and trenchless construction. To mitigate Garrison Diversion's exposure to some of those risks, additional field work and geotechnical borings are included to better define soil and groundwater conditions along the 27-mile alignments. Prospective contractors will benefit from this more detailed information with less uncertainty and lower risk when they plan for project execution and ultimately design and install their dewatering systems.



**Budget  
2024**

**Income**

Dues Income	\$	30,000.00
Miscellaneous	\$	-
Cost Share-Interim Finance	\$	50,000.00
<b>Total Income</b>	<b>\$</b>	<b>80,000.00</b>

**Expenses**

Dues Expenses	\$	6,500.00
Accounting	\$	6,500.00
Directors Expense	\$	500.00
Insurance	\$	550.00
Construction	\$	-
Engineering	\$	50,000.00
Property Acquisiton/Easements	\$	-
Adm/Legal/Financial	\$	141,500.00
<b>Total Expenses</b>	<b>\$</b>	<b>205,550.00</b>

**Anticipated Bank Activity**

Beginning Bank Balance 1-1-24	\$	<b>380,851.56</b>
Income Budget	\$	80,000.00
Expense Budget	\$	205,550.00
<b>Anticipated Bank Balance 12-31-23</b>	<b>\$</b>	<b>255,301.56</b>





Lake Agassiz  
Water Authority

www.lakeagassiz.org | 701-652-3194

PO Box 140, Carrington, ND 58421

January 10, 2024

To: LAWA Board of Directors

RE: RRVWSP Tiered Cost Allocation Model Adjustments

Dear LAWA Board of Directors,

At last week's Financial Advisory Committee (FAC) meeting, the Committee reviewed and discussed the current four- tiered cost allocation model methodology, its limitations and associated concerns from participants, and is ultimately recommending the allocation model be changed to a new easier to understand two-tiered approach (see that accompanying presentation from the FAC meeting for more details). The FAC is recommending the LAWA Board to formally adopt this change and reflect these adjustments in current participant outreach materials and within the Project Participation Agreement (PPA) and corresponding exhibits.

Project participants expressed some concerns over the current four-tiered model during their initial reviews of the PPA. These concerns started a corresponding review process by LAWA leadership that led to the recommended two-tiered model. The key concerns expressed included equitability and pricing to different use types (industrial versus domestic uses), project changes since the time the four-tiered methodology was developed (i.e. RRVWSP State Project vs. ENDAWS Alternative Routing), the overly complicated tier assignment approach, disparate impacts to users depending upon tier assignment, and most importantly gaining policymaker understanding and support to ultimately execute the PPA.

To address these participant concerns a working group, including LAWA leadership representatives, was established to explore allocation model simplification and updates. Working group discussions were also followed by a small user review meeting with the City's of Valley City and Carrington for their review and input prior to bringing the recommendations forward to the FAC (note other users were also invited to this meeting but were unable to participate). This process led to the recommended two-tiered model and addresses the participant concerns and will also allow for easier methodology understanding and communications. To reiterate, it is the recommendation of FAC that the LAWA Board formally adopted the new two-tiered allocation model moving forward.

Sincerely,

FAC

Maureen Storstad

FAC Co-Chair

Enclosures.



## 2023 to 2025 Biennium Work Plan

(\$244.0 mil Total Funding: \$180 mil State; \$61 mil Local Users; \$3.0 mil MR&I)

December 19, 2023

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 \$) <sup>1,2,3</sup>		
					Total	Federal 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	<b>Garrison Diversion Conservancy District Budget</b>												
	Scope: Account for all costs for which Garrison Diversion is responsible not included in other Task Orders listed here.	Garrison Diversion's costs for the RRVWSP, including internal mgmt, admin, legal, communication, insurance advisory, misc., etc.		GDCD				\$ 2.50	\$ 1.87	\$ 0.63			
	Need: Budget allocation for GDCD direct costs associated with the Red River Valley Water Supply Project.												
2.	<b>Property, Easements, and Crop Damage Payments<sup>4</sup></b>			RRVWSP				\$ 2.21	\$ 1.66	\$ 0.55			
	Scope: Costs to obtain easements and acquire property for associated facilities. Crop damage payments to landowners.	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.		ENDAWS	\$ 0.49	\$ 0.37	\$ 0.12						
	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.			ENDAWS Facilities	\$ 2.00	\$ 1.50	\$ 0.50						
3.	<b>Transmission Pipeline East Contract 5C</b>							\$ 0.78	\$ 0.58	\$ 0.20			
	Scope: Pipeline installation, including construction phase engineering services by Engineer.	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	Prof Srvs							\$ 5.64	\$ 4.23	\$ 1.41
	Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.		Nov-23	Const, 2026 Fin							\$ 76.67	\$ 57.50	\$ 19.17
4.	<b>Transmission Pipeline East Contract 5D</b>												
	Scope: Pipeline installation, including construction phase engineering services by Engineer.	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	Prof Srvs							\$ 5.47	\$ 4.10	\$ 1.37
	Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.		Oct-23	Const, 2026 Fin							\$ 61.68	\$ 46.26	\$ 15.42
5.	<b>RRV Transmission Pipeline Contract 6A</b>												
	Scope: Pipeline installation, including construction phase engineering services by Engineer.	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	Prof Srvs							\$ 5.47	\$ 4.10	\$ 1.37
	Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.		Oct-24	Const, 2027 Fin							\$ 45.00	\$ 33.75	\$ 11.25
6.	<b>ENDAWS Transmission Pipeline Contract 3</b>												
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.	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	\$ 2.30	\$ 0.76						
	Need: Continue progress of transmission pipeline installation for completion of RRVWSP/ENDAWS by the target end date.												



## 2023 to 2025 Biennium Work Plan

(\$244.0 mil Total Funding: \$180 mil State; \$61 mil Local Users; \$3.0 mil MR&I)

December 19, 2023

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 \$) <sup>1,2,3</sup>		
					Total	Federal 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 Hurdsfield at HBTs.	Feb-24	Prof Srvs									
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.							\$ 7.19	\$ 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				\$ 2.93	\$ 2.20	\$ 0.73			
	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).												
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	\$ 0.76	\$ 0.57	\$ 0.19						
	Scope: Conceptual and preliminary design of an intake and pumping station at the McClusky Canal.												
	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	\$ 2.88	\$ 2.16	\$ 0.72						
	Scope: Conceptual and preliminary designs for a Biota WTP and Main Pumping Station, including hydraulic surge facility.												
	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	\$ 0.38	\$ 0.28	\$ 0.10						
	Scope: Preliminary design of above-ground tanks and associated facilities at or near the continental divide.												
	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				\$ 0.49	\$ 0.37	\$ 0.12			
	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.												
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				\$ 0.66	\$ 0.50	\$ 0.16			
	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.												



## 2023 to 2025 Biennium Work Plan

(\$244.0 mil Total Funding: \$180 mil State; \$61 mil Local Users; \$3.0 mil MR&I)

December 19, 2023

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 \$) <sup>1,2,3</sup>		
					Total	Federal 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
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.							\$ 1.70	\$ 1.28	\$ 0.42			
	Need: Define pipeline extensions to identify for users how and a what cost water will be delivered to their communities.												
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 Svcs									
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.							\$ 0.47	\$ 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 Svcs									
	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.	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	GDCCD									
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.				\$ 1.08	\$ 0.81	\$ 0.27	\$ 2.18	\$ 1.64	\$ 0.54	\$ 11.72	\$ 8.79	\$ 2.93
	Need: Address and pay for changes that are sure to occur.												
TOTAL PROGRAM BUDGET					\$ 10.65	\$ 7.99	\$ 2.66	\$ 21.70	\$ 16.28	\$ 5.42	\$ 211.65	\$ 158.73	\$ 52.92

### 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 (none are secured at this point) and remaining easements from the Hydraulic Break Tanks to the Sheyenne River Outfall (25% remain mostly 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.

**2023**

For the period of January 1, 2023- December 31, 2023

<b>Income</b>	<b>2023</b>	<b>Actual as 11/30/2023</b>	<b>Balance of Budget</b>
Dues Income	\$ 30,000.00	\$ 30,650.00	\$ (650.00)
Miscellaneous	\$ -	\$ -	\$ -
Cost Share-Interim Finance	\$ 580,000.00	\$ 598,188.10	\$ (18,188.10)
<b>Total Income</b>	<b>\$ 610,000.00</b>	<b>\$ 628,838.10</b>	<b>\$ (18,838.10)</b>
<b>Expenses</b>			
Dues Expenses	\$ 6,500.00	\$ 6,310.00	\$ 190.00
Accounting	\$ 1,000.00	\$ -	\$ 1,000.00
Directors Expense	\$ 500.00	\$ -	\$ 500.00
Insurance	\$ 550.00	\$ 461.00	\$ 89.00
Construction	\$ 60,000.00	\$ 200,476.13	\$ (140,476.13)
Engineering	\$ 320,000.00	\$ 35,403.80	\$ 284,596.20
Property Acquisition/Easements	\$ 150,000.00	\$ 365,422.73	\$ (215,422.73)
Adm/Legal/Financial	\$ 141,500.00	\$ 138,304.12	\$ 3,195.88
<b>Total Expenses</b>	<b>\$ 680,050.00</b>	<b>\$ 746,377.78</b>	<b>\$ (66,327.78)</b>
Net Income (Loss)	\$ (70,050.00)	\$ (117,539.68)	\$ 47,489.68

**Account Activity**

Beg. Bank Balance 1-1-2023	\$ 498,391.24
Income Received	\$ 628,838.10
<b>Total Funds Available</b>	<b>\$ 1,127,229.34</b>

Ck#1225 Ohnstad Twichell	\$ 2,550.00
Ck#1226 Garrison Diversion	\$ 211,963.04
Ck#1227 ND Water Coalition	\$ 1,000.00
Ck#1228 ND Water Users Assoc	\$ 5,000.00
Ck#1229 Garrison Diversion	\$ 15,375.00
Ck#1230 Garrison Diversion	\$ 32,105.31
Ck#1231 ND Rural Water System	\$ 310.00
Ck#1232 Garrison Diversion	\$ 28,238.74
Ck#1233 Insure Forward	\$ 461.00
Ck#1234 Garrison Diversion	\$ 20,500.00
Ck#1235 Garrison Diversion	\$ 37,346.49
Ck#1236 Ohnstad Twitchell	\$ 42,693.76
Ck#1237 Garrison Diversion	\$ 161,357.22
Ck#1238 Ohnstad Twitchell	\$ 7,070.50
Ck#1239 Garrison Diversion	\$ 15,375.00
Ck#1240 Garrison Diversion	\$ 75,661.17
Ck#1241 Ohnstad Twichell	\$ 2,787.62
Ck#1242 Garrison Diversion	\$ 86,582.93
<b>Total Expenses</b>	<b>\$ 746,377.78</b>

<b>Ending Bank Balance</b>	<b>\$ 380,851.56</b>
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