

LAKE AGASSIZ WATER AUTHORITY

BOARD OF DIRECTORS

**Fargo Commission Chambers
August 5, 2021**

A meeting of the Lake Agassiz Water Authority (LAWA) board of directors was held at the Fargo Commission Chambers on August 5, 2021. The meeting was called to order by Chair Mahoney at 2:30 p.m.

MEMBERS PARTICIPATING

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

MEMBERS ABSENT

Associate Member Steven Dale
Associate Member Dick Johnson
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 Althoff to approve the board meeting agenda. Second by Director Schmaltz. Upon voice vote, motion carried.

CONSIDERATION OF MINUTES

Motion by Director Johnson to approve the May 21, 2021, LAWA Board minutes as distributed. Second by Director Bohnsack. Upon voice vote, motion carried.

TECHNICAL ADVISORY COMMITTEE REPORT

Bruce Grubb, City Administrator, Fargo, reported the LAWA Technical Advisory Committee (TAC) met virtually on June 24. At that time, a review of the current Red River Valley Water Supply Project (RRVWSP) contractual relationships were reviewed, and an update was provided on ongoing construction projects. Three task orders were also reviewed. Two are related to construction phase services, and the other deals with operation and asset management planning. The LAWA TAC recommends the board approve these task orders.

RRVWSP UPDATE

Duane DeKrey, Secretary, shared photos from the RRVWSP groundbreaking ceremony held on August 3 at the transmission pipeline site south of Carrington.

Work Plan & Construction Update - - Kip Kovar, Deputy Program Manager, RRVWSP Engineering, Garrison Diversion, referred to and reviewed the RRVWSP Work Plan Update dated July 27, 2021, including construction updates and photos of the progress made at the wet well, pipeline sites and discharge structure. A copy of the update is attached to these minutes as Annex II.

2021-2023 Biennium Budget - \$89.7 Million Work Plan

Mr. Kovar referred to the RRVWSP 2021-2023 Biennium Budget and reviewed the priority work items, along with slides showing construction areas. The order of priority by item is: No. 2, Missouri River Intake Screen Structure and Tunnel, Contract 2; No. 3 Easement Acquisition; No. 4 Transmission Pipeline East, Contract B; No. 5 Transmission Pipeline East, Contracts 5C and 5D; No. 6 RRVWSP System Operational Plan; No. 7 Project Management Information System; No. 8 Transmission Pipeline East, Contract 6; No. 9 Program Management; and No. 10 Undefined Projects. Funding is \$67.3 million state and \$22.4 million local users for a total of \$89.7 million. A copy of the funding work plan is attached to these minutes as Annex III.

Motion by Director Carlsrud to approve the RRVWSP 2021-2023 Work Plan budget increase to \$89,700,000. Second by Director Althoff. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

Task Orders

Construction Phase Services

Missouri River Intake, Screen Structure and Tunnel, Contract 2

Mr. Kovar referred to and reviewed RRVWSP Task Order 2630, Missouri River Intake Screen Structure and Tunnel, Contract 2, Construction Phase Services. This task order is for construction phase engineering basic and special services (environmental monitoring required by the U.S. Army Corp of Engineers' (USACE) nationwide permit).

The objective of this task order is to provide the basic services to administer engineering services during construction and to provide on-site observation through a resident project

representative (RPR) for construction of the MRI screen structure, tunnel, wet well/shaft liner, and other Project features included in the contract documents.

This task order is also for the engineer to provide special services for environmental monitoring of threatened and endangered species as required by Nationwide Permit Number 12 and the associated biological assessment developed by the consultant, KLJ, Inc.

The cost of the task order is \$2,260,000.

Motion by Director Johnson to approve RRVWSP Task Order 2630, Missouri River Intake Screen Structure and Tunnel, Contract 2, in the amount of \$2,260,000. Second by Director Carlsrud. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

Design Wrap-up Services and Bidding Assistance

Transmission Pipeline East, Contract 5B

Mr. Kovar referred to and reviewed RRVWSP Task Order 5332 for Transmission Pipeline East, Contract 5B, Design Wrap-up Services and Bidding Assistance. The task order is for taking 90-percent plans and specifications to final documents suitable for bidding. Services will begin in July 2021 and be finished by December 2021 under this authorization.

The objective of this task order is for professional services for an element of the overall RRVWSP. The owner would like to complete final design, prepare contract documents, and bid a second subsection of the 28-mile section of the Contract 5 pipeline.

The cost of the task order is \$545,000.

Motion by Director Carlsrud to approve the RRVWSP Task Order 5332, Transmission Pipeline East, Contract 5B, Design Wrap-up Services and Bidding Assistance, in the amount of \$545,000. Second by Director Bohnsack. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

Operational and Asset Management Planning, Phase 1

Mr. Kovar referred to and reviewed RRVWSP Task Order 1410, Operational and Asset Management Planning, Phase 1.

The task order objectives are:

1. Determine the format for a new operational plan
2. Develop a framework for operational planning efforts
3. Better delineate the responsibilities of RRVWSP stakeholders in relation to the operations of the project and review those responsibilities relative to existing state laws
4. Outline potential changes to anticipated user responsibilities based on the contents of the operational plan
5. Develop a framework for asset management planning efforts

The cost of the task order is \$106,000.

Motion by Director Bohnsack to approve RRVWSP Task Order 1410, Operational and Asset Management Planning, Phase 1, in the amount of \$106,000. Second by Director Schmaltz. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

Program Schedule - - Merri Mooridian, Deputy Program Manager, RRVWSP Administration, Garrison Diversion, referred to and reviewed the updated 2021-2022 RRVWSP Program Schedule dated July 6, 2021. The schedule focuses on the ongoing construction projects, including substantial and final completion dates. The Missouri River Intake, Screen Structure and Tunnel, Contract 2, has recently been added.

Planning Level Budget - - Ms. Mooridian referred to the RRVWSP Planning Level Budget dated July 31, 2021. The yellow portion shows completed work efforts of \$23.4 million. The section in blue deals with engineering and final design for items worked on in the 2017-2019 biennium. The work items listed here are 87 percent complete. The current estimated effort is \$7.8 million with \$6.7 million in actual expenditures. The green section is the new funding for 2019-2021. The current budget for this is \$3.7 million with expenditures at \$1.39 million. The portion in orange displays the 2019-2021 construction projects approved by the State Water Commission (SWC), which are estimated at \$18.7 million, and the amount expended is \$4.67 million. Everything approved and ongoing is currently at a 68 percent completion rate. The total combined program budget is \$53.7 million. Actual program expenses are \$36.2 million with total outstanding expenses of \$17.4 million. Total program efforts are 68 percent complete. A copy of the table is attached to these minutes as Annex IV.

State Water Commission Funding Request - - Ms. Mooridian referred to and reviewed the RRVWSP cost share funding request submitted to the SWC for \$510,800, representing 75% of the estimated engineering costs associated with the construction of the pipeline (Contract 5B) and operational modeling and asset management. The total local share is estimated at \$170,200. A copy of the request is attached to these minutes as Annex V.

Interim Financial Agreement – Series C - - Tami Norgard, Vogel Law, referred to and reviewed the Draft Interim Financing Agreement, Series C, between LAWA, Garrison Diversion and the cities of Fargo and Grand Forks. The agreement has been approved and signed by Fargo, Grand Forks and Garrison Diversion. LAWA is the last entity to give final approval on the document. The structure of the agreement is the same as Series B in that the cost share is based on a 75/25 percent split between the state and small users. The difference is Garrison Diversion is covering the small users' 18.79 percent cost share, which is \$4.21 million. This agreement covers the \$89.7 million RRVWSP Work Plan. The last change in the agreement states Garrison Diversion will apply for a loan to cover the local cost share.

John Shockley, Ohnstad Twichell, representing LAWA, added he has reviewed the agreement and agrees with board approval.

Motion by Vice Chair Vein to approve Interim Financing Agreement, Series C, between LAWA, Garrison Diversion and the cities of Fargo and Grand Forks. Second by Director Bohnsack. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

CENTRAL NORTH DAKOTA WATER SUPPLY – STATE OF MISSOURI LAWSUIT

Ms. Norgard updated the board on the status of Missouri's lawsuit regarding the Central North Dakota Water Supply Project, stating all briefings have been submitted. The judge will now determine whether to hold a hearing.

FINANCIAL REPORT

2021 Budget Analysis Statement - - Ms. Mooridian referred to and reviewed the Budget Analysis Statement for the period of January 1, 2021, to July 31, 2021, a copy which is attached to these minutes as Annex VI.

Ms. Mooridian stated income as of July 31 is \$356,013. Total expenses are \$253,173.

The total bank balance at the end of July was \$747,307.

Motion by Director Althoff to approve the Budget Analysis Statement for the period of January 1, 2021, through July 31, 2021. Second by Director Johnson. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

2021 Bills Paid

Ms. Mooridian reviewed the bills paid since the May board meeting, which are \$3,060 to Ohnstad Twichell, \$15,375 to Garrison Diversion for national legal counsel and \$300 to ND Rural Water Systems for membership renewal.

Summary of Dues and Cost Share Payments

Chair Mahoney referred to the table showing LAWA membership dues collected for 2021, which is provided for the board's reference.

UNFINISHED BUSINESS

Pipe Size - - Mr. Kovar said Contract 2 regarding the pipe installation under the Missouri River for the intake has been discussed. The original plans and specifications called for a 72-inch pipe. Michels is the contractor and has requested reducing the pipe size to 70 inches in diameter since the smaller diameter better matches up with the tunnel boring machine. This could potentially create a time and cost savings on the project. Mr. Kovar asked for permission to negotiate a smaller pipe size diameter.

Motion by Alternate Reilly authorizing Mr. Kovar to negotiate with Michels regarding a smaller pipe size (70-inch) for the Missouri River Intake. Second by Director Schmaltz. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Bohnsack, Carlsrud, Erdmann, Johnson, Mahoney, Schmaltz and Vein. Alternates voting aye: Pritchard and Reilly. Those voting nay: none. Motion carried.

User Meeting Update - - Steve Burian, Burian & Associates, provided an update on the user meetings, stating meetings have been held with all willing users with the exception of Jamestown. That meeting is scheduled for next week.

Work is beginning on the Project Participation and Water Supply Agreement. This will be the next agreement the users will be asked to sign making a full commitment to the RRVWSP. As the user meetings were being held, the users were informed the team would be back in the fall or next spring to make any adjustments to nominations in the agreement.

Mr. Burian said the systems along the river or those who already have an intake on the river will be the more straightforward users. The remaining users will need some sort of extension pipeline to participate in the project. He added staff has requested the extension agreements be revisited. Letters and phone calls will be made to these systems in the very near future to review their system information.

NEW BUSINESS

There being no further business, the meeting adjourned at 3:35 p.m.

Timothy Mahoney, Chair

Duane DeKrey, Secretary

REGISTRATION

LAWA Board Meeting
Fargo Commission Chambers
August 5, 2021

NAME	ADDRESS
Kimberly Cook	
Steve Burin	B+A
Dave Piepkor	City of Fargo
Keith Myklesoth	East Grand Forks
Steve Metzger	GDCCD - Foster Co.
Paul Gilman	GDCCD - Ransom Co.
Greg Bischoff	GDCCD - Barnes Co.
Rogey Fendstad	GDCCD - Cass Co.
Alan M. Walter	GDCCD - Ward Co.
Burr Billy	WRWD
Mau [unclear]	Moorhead Public Service
Bill Bohannon	City of Mayville
Dave Carlsson	Valley City
Lorraine [unclear]	SEW
Jive Schwartz	E. Central Water LAWA
Kir Lore	GDCCD
John Shockley	LAWA - Ohvstad Twichell, West Fargo
Tim Matheson	City of Fargo, LAWA
Duane DeKrey	GDCCD Carrington
Mami M. M. [unclear]	GDCCD
Lisa Schaper	GDCCD
Lanni Mezel	Vogel Law Firm
Mark [unclear]	LAWA
Bruce Scrubb	City of Fargo

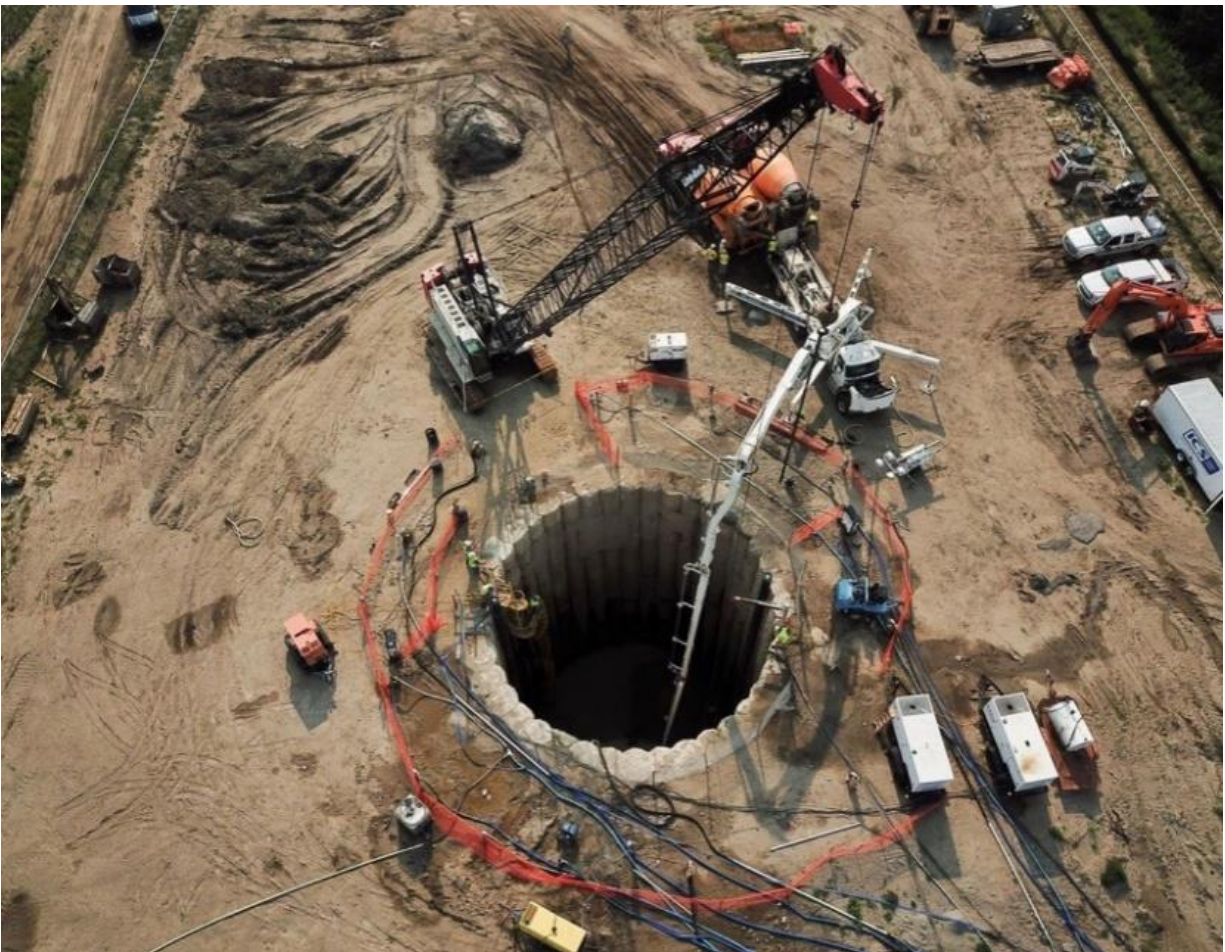
**RRVWSP Work Plan Update
July 27, 2021**

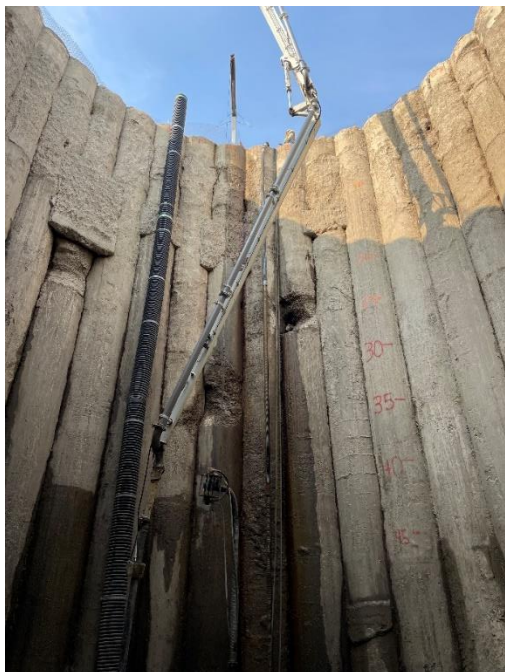
CONSTRUCTION

Wet Well Construction

The wet well floor, which acts like a counter weight, will be poured in three stages. The first pour is 3' thick, and the second pour is 6' thick. The finish grade pour will be the last section and will be approximately 1.5' thick.

Pump truck moving concrete to the bottom for the second pour





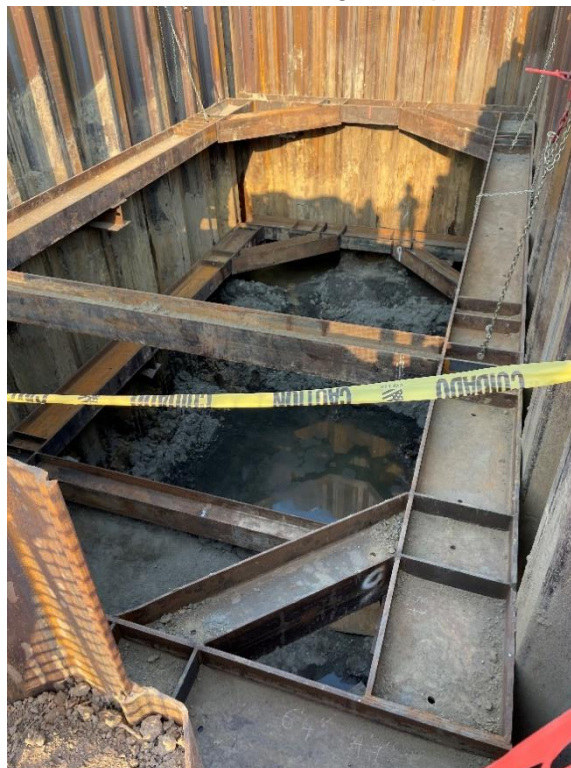
Pipeline Construction

Northwest Pipe started delivering tunneling pipe on July 12. Minger Construction, the tunneling subcontractor, is working on the east tunnel shaft pit. Tunneling could start the week of August 2. The first truckloads of spiral welded cement mortar lined pipe (for open excavation portion) arrived onsite July 26.

Minger Construction installing the support system for east side tunneling shaft



Inside tunneling shaft pit



First 72" spiral weld cement mortar lined pipe being delivered



72" carrier tunnel pipe being delivered



96" straight seam weld casing pipe for tunnel



Discharge Structure Construction

The contractor completed the concrete portions of the discharge structure weeks ahead of schedule. The contractor is waiting for the 52" ductile iron pipe delivery to complete the project.



DESIGN

Missouri River Intake Tunnel and Screen Final Design

Michels was the apparent low bidder at \$18,896,900. The notice of award was issued June 9, 2021.

ADMINISTRATION

Funding

2019/21 Session - Senate Bill 2020 included up to \$43 million for the RRVWSP. This includes \$13 million from last biennium for early out construction. A total of \$36.4 million was requested and awarded. The remaining intent, \$6.6 million, may be forfeited since, according to State Water Commission policy, only awarded funding can be carried over. A request was sent on July 8, 2021, in the amount of \$510,800 to continue Project design for the next pipeline construction contract.

PROJECT	COST-SHARE		COST-SHARE		TOTAL COST
	90% State	10% Local	75% State	25% Local	
Missouri River Intake – Wet well	\$5,567,500	\$618,611			\$6,186,111
Pipeline – East Contract 5A	\$5,309,500	\$589,944	\$3,192,400	\$1,064,133	\$10,155,977
Sheyenne River Discharge			\$1,827,600	\$609,200	\$2,436,800
Missouri River Intake – Screen & Tunnel Design, etc.	\$2,123,000	\$235,889	\$1,130,000	\$376,667	\$3,865,556
Missouri River Intake Screen & Tunnel Construction			\$17,250,000	\$5,750,000	\$23,000,000
Total Cost-Share	\$13,000,000	\$1,444,444	\$23,400,000	\$7,800,000	\$45,644,444



Garrison Diversion completed an application to the Bank of ND for the local cost share loan. It is anticipated that the 2021/2023 Work Plan budget will be a total of \$89.7 million, requiring a local cost share match of \$22.43 million.

User Meetings

Meetings were held with all but a couple of the systems that nominated to be in the Project. The same RRVWSP team (Merri Mooridian, Duane DeKrey, Steve Burian and Shawn Gaddie) presented at the meetings. LAWA board members were invited to attend as well. To date, we've met with 27 systems. We also met with two systems that didn't nominate but may be interested in being a part of the Project.

Many of the systems not along the river system have asked for more detailed costs of the pipeline extensions. There is a joint effort among the engineering team and the user meetings team to work on this effort.



2021 to 2023 Biennium Budget
(\$89.7 mil Total Funding: \$67.3 mil State & 22.4 mil Local Users)

June 1, 2021

No.	Scope of Work	Feature	Date Task Orders Auth	21/23 Biennium Project Development Budget (mil \$)			Construction Budget per Biennium (mil \$) ^{1,2,3}						
				Total	State 75%	Local 25%	19/21	21/23 Biennium			23/25	Future	
								Total	State 75%	Local 25%			
1.	Financial, Administration, Misc. Legal, Insurance, Etc.	Owner's administration of project, including management, financial, legal, engineering, public communication, administrative, insurance advisory, etc., professional services.		\$ 2.40	\$ 1.80	\$ 0.60							
	Scope: Administration, legal, and financial modeling/planning.												
	Need: Annual Garrison Diversion budget allocation.												
				2.7%									
2.	Missouri River Intake Screen Structure & Tunnel Contract 2	165-cfs screen structure; 1,600-ft long, 72-in diameter tunnel; and 40-ft diameter by 65-ft deep reinforced concrete wet well/shaft liner, with temporary wet well/shaft cover.	Jul-21				\$ 5.60	\$ 2.26	\$ 1.70	\$ 0.56			
	Scope: Facility construction and construction phase engineering services.		Jun-21				\$ 18.90	\$ 14.18	\$ 4.72				
	Need: Construct critical facility elements under expiring USACE Nationwide Permit No. 12.										\$ -	\$ 61	
								12.0%					
3.	Easement Acquisition	Acquire remaining pipeline easements east of Carrington to the outfall at Cooperstown. Provide professional technical and acquisition services as well as legal support for landowner holdouts. Pay for remaining property.		\$ 3.00	\$ 2.25	\$ 0.75							
	Scope: Professional services and real estate costs necessary to obtain easements for the Transmission Pipeline East and the Red River Valley Transmission Pipeline.												
	Need: Secure land for installing future pipeline segments staying years ahead of pipeline design/construction needs.												
				3.3%									
4.	Transmission Pipeline East Contract 5b	8.6± miles of 72" pipeline, including 96" diameter trenchless crossings at several locations. Pipeline section extends eastward from Contract 5a, which is just south of Carrington.	Jul-21	\$ 0.58	\$ 0.44	\$ 0.14							
	Scope: Final design wrap-up (90% docs to biddable plans and specifications); pipeline installation, including construction phase engineering services.		Dec-21				\$ 46.44	\$ 34.83	\$ 11.61				
	Need: Continue progress of transmission pipeline installation.		Dec-21				\$ 3.49	\$ 2.62	\$ 0.87				
				1.2%			7.5%						
5.	Transmission Pipeline East Contract 5c & 5d	18.4± miles of 72" pipeline, including 96" diameter trenchless crossings at several locations. Portions of the pipeline extend east of Contract 5b and also west of Contract 5a.		\$ 1.38	\$ 1.04	\$ 0.34					\$ 115	\$ -	
	Scope: Final design wrap-up (90% docs to biddable plans and specifications); bidding assistance.												
	Need: Have the next pipeline segment bid-ready if additional State money becomes available.												
				1.2%									
6.	RRVWSP System Operational Plan	Determine timing/rate/duration of diversions to/from Lake Ashtabula based upon multiple factors. Define roles and responsibilities of the three parties as it relates to system operation.		\$ 0.40	\$ 0.30	\$ 0.10							
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.												
	Need: Better delineate Garrison Diversion, State Water Commission, and USACE roles for system operation.												
				0.4%									
7.	Project Management Information System (PMIS)	Procure and implement PMIS software. Develop, refine, and implement workflow processes. Provide organized and indexed data for financial and legal auditing teams. Organize data and archive for long-term retention.		\$ 0.40	\$ 0.30	\$ 0.10							
	Scope: Software/hardware solution for Project's data management and organized retention of records.												
	Need: Create greater efficiency and record of documentation for voluminous construction related deliverables.												
8.	Transmission Pipeline East Contract 6	20± miles of 72" pipeline, including 96" diameter trenchless crossings at several locations. Pipeline segment extends eastward toward outfall from end of Contract 5c.		\$ 5.00	\$ 3.75	\$ 1.25						\$ 132	
	Scope: Soil borings along with final design services (30% docs to biddable plans/specifications); bidding assistance.												
	Need: Have a \$100+ million pipeline segment bid-ready for the next biennium.												
				3.8%									
9.	Program Management	Overall project planning, management, administration, scheduling, coordination, meeting preparation/attendance, regulatory interface, etc., not included in individual task orders.		\$ 0.50	\$ 0.37	\$ 0.13							
	Scope: Overall program management, planning, and support by the engineering team to Garrison Diversion.												
	Need: Consulting services of a broad programmatic nature not under project-specific design and construction task orders.												
				0.6%									
10.	Owner's Reserve for Expected but Yet Undefined Projects	A reserve providing Garrison Diversion flexibility to adapt to professional services work plan changes and to pay for construction change orders typically running from 3 to 5% above original construction cost at bid time.		\$ 0.80	\$ 0.60	\$ 0.20							
	Scope: A budget contingency.						\$ 4.15	\$ 3.11	\$ 1.04				
	Need: Address and pay for changes that are sure to occur.												
				5.5%			5.5%						
TOTAL PROGRAM BUDGET					\$ 14.46	\$ 10.85	\$ 3.61	\$ 5.60	\$ 75.24	\$ 56.44	\$ 18.80	\$ 115	\$ 193

**Red River Valley Water Supply Project
Planning Level Budget**

July 31, 2021	Percent Complete	Current Estimate	Actual Expenses	Outstanding Expenses
Conceptual Design Subtotal		\$ 5,302,130	\$ 5,302,130	\$ -
Preliminary Design Subtotal		\$ 10,217,606	\$ 10,217,606	\$ -
Final Design Completed Subtotal		\$ 6,618,311	\$ 6,618,311	\$ -
Financial, Administration, Legal, Completed		\$ 1,055,640	\$ 1,055,640	\$ -
Land Acquisition Completed		\$ 256,825	\$ 256,825	\$ -
Subtotal Completed		\$ 23,450,512	\$ 23,450,512	\$ -
Engineering - Final Design				
Discharge Final Design	97%	\$ 543,000	\$ 528,905	\$ 14,095
Sediment Transport	99%	\$ 396,000	\$ 391,809	\$ 4,191
Missouri River Intake Final Design	100%	\$ 2,121,000	\$ 2,117,350	\$ 3,650
Missouri River Intake - Marine Geotechnical *	89%	\$ 608,000	\$ 542,572	\$ 65,428
Land Acquisition				
Acquire Easements	100%	\$ 1,317,532	\$ 1,317,532	\$ -
Financial, Administration, Legal, Etc.				
Financial Modeling/Cost Allocation	83%	\$ 1,521,047	\$ 1,258,271	\$ 262,776
Program Management Information System	51%	\$ 113,100	\$ 57,844	\$ 55,256
Stakeholder Support	41%	\$ 398,830	\$ 162,775	\$ 236,055
Legal	66%	\$ 600,000	\$ 396,181	\$ 203,819
Redirect to Missouri River Intake - Marine Geotechnical		\$ 203,357	\$ -	\$ 203,357
Subtotal	87%	\$ 7,821,866	\$ 6,773,241	\$ 1,048,625
2019/2021 Funding				
Missouri River Intake - Screen Structure Design	64%	\$ 1,884,000	\$ 1,205,436	\$ 678,564
Missouri River Intake - Screens & Tunnel Construction Phase Services	Upcoming	\$ 258,889	\$ -	\$ 258,889
Regulatory Compliance	Upcoming	\$ 256,667	\$ -	\$ 256,667
Land Acquisition 2019/2021	19%	\$ 650,000	\$ 120,721	\$ 529,279
2019 to 2021 Biennium Program Management Services	42%	\$ 166,191	\$ 70,133	\$ 96,058
Project Planning, Finance, Admin, etc.	Upcoming	\$ 433,809	\$ -	\$ 433,809
Undesignated Savings	Upcoming	\$ 55,211	\$ -	\$ 55,211
2019/2021 Non-Construction Subtotal		\$ 3,704,767	\$ 1,396,290	\$ 2,308,477
2019/2021 Construction				
Pipeline & Trenchless	3%	\$ 10,157,651	\$ 312,072	\$ 9,845,579
Construction Contract	1%	\$ 8,366,201	\$ 101,678	\$ 8,264,523
Bidding Services	87%	\$ 86,685	\$ 75,621	\$ 11,064
Construction Phase Services	16%	\$ 868,145	\$ 134,773	\$ 733,372
Contingency	if needed	\$ 836,620	\$ -	\$ 836,620
Discharge Structure	21%	\$ 2,449,799	\$ 511,193	\$ 1,938,606
Construction Contract	30%	\$ 1,516,955	\$ 462,240	\$ 1,054,715
Bidding Services	72%	\$ 56,799	\$ 40,737	\$ 16,062
Construction Phase Services	4%	\$ 193,000	\$ 8,216	\$ 184,784
Contingency	if needed	\$ 683,045	\$ -	\$ 683,045
Missouri River Intake Wetwell	63%	\$ 6,157,227	\$ 3,854,413	\$ 2,302,813
Construction Contract	71%	\$ 4,989,406	\$ 3,537,050	\$ 1,452,356
Bidding Services	64%	\$ 56,881	\$ 36,662	\$ 20,219
Construction Phase Services	71%	\$ 398,041	\$ 280,702	\$ 117,339
Construction Phase Environmental Monitoring	0%	\$ 213,959	\$ -	\$ 213,959
Contingency	if needed	\$ 498,940	\$ -	\$ 498,940
Construction Subtotal	25%	\$ 18,764,677	\$ 4,677,678	\$ 14,086,999
Total Program Budget	68%	\$ 53,741,822	\$ 36,297,721	\$ 17,444,100

2015/2017 State Appropriation	\$ 12,359,000
2015/2017 LAWA Cost Share	\$ 1,373,225
2015/2017 total	\$ 13,732,225
2017/2019 State Appropriation	\$ 17,000,000
2019/2021 State Cost Share	\$ 19,150,000
2019/2021 Local Cost Share	\$ 3,319,444
2019/2021 Approved to Date	\$ 22,469,444
RRVWSP Program Approved Funding	\$ 53,201,669
RRVWSP Approved Budget	\$ 53,741,822
Budget Shortfall	\$ (540,153)



VIA E-MAIL

July 8, 2021

John Paczkowski, PE
Interim State Engineer
ND State Water Commission
900 East Boulevard Avenue
Bismarck, ND 58505

GARRISON DIVERSION
CONSERVANCY DISTRICT
P.O. Box 140
CARRINGTON, N.D. 58421
(701) 652-3194
FAX (701) 652-3195
gdcd@gdcd.org
www.garrisondiversion.org

Dear Mr. Paczkowski:

As Garrison Diversion looks to the ongoing drought conditions across the State of North Dakota, we are reminded that the Red River Valley Water Supply Project is critical to meet the current and future water supply needs of users in central and eastern North Dakota. The project has recently made significant strides towards construction, and we hope to continue the forward momentum with this important water project.

As part of this continued effort, we are requesting \$510,800 in cost-share funding, representing 75% of the estimated engineering costs associated with the construction of the pipeline and operational modeling and asset management. The local share is estimated at \$170,200.

In support of this request, enclosed are the items requested in the Water Commission Cost-Share Application Checklist.

We respectfully ask that you would exempt this request from the 45-day submission requirement and consider funding for the RRVWSP at the State Water Commission meeting on August 12.

We thank the State Water Commission for standing by Garrison Diversion in the past and for continuing to provide the support necessary to push forward with the Red River Valley Water Supply Project. We are grateful for this opportunity to partner with the State and the State Water Commission in addressing a critical water supply need for central and eastern North Dakota.

Sincerely,

Duane DeKrey
General Manager

Enclosures



WATER COMMISSION COST-SHARE APPLICATION CHECKLIST

(This checklist must be attached to all applications for Water Commission cost-share assistance.)

Project sponsors requesting cost-share assistance from the North Dakota Water Commission are required to submit completed applications, including all supplemental materials, at least 45 days in advance of meetings. Incomplete applications or those submitted after the 45 day deadline will not appear on the next meeting agenda. Project sponsors, or their authorized representative, must verify that the following information is included as part of their application package for cost-share assistance.

Project Name: Red River Valley Water Supply Project	Sponsoring Entity: Garrison Diversion Conservancy District
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Initial If Included, or "X" If Not	SWC Cost-Share Application Materials *Required For All Applications
	*Cost-Share Application Form (SFN 60439)
	*Project Specific Map (Including an inset map of location within state.) See Examples
	* Detailed Project Costs SFN 61801 (complete fillable worksheet)
	Approved Drainage Permit (Rural Flood Control Only)
	Results Of Positive Assessment Vote (Rural Flood Control Only) ¹
	Sediment Analysis (Drain Reconstruction Only)
	Acquisition Plan (Flood Recovery Property Acquisition Program Only)
	Proof of HMGP Funding Ineligibility (Flood Recovery Property Acquisition Program Only)
	Plans & Specifications For Bidding Project Construction (Construction Requests Only)
	Economic Analysis Worksheet (Flood Control & Water Conveyance Construction Only)
	Life Cycle Cost Analysis Worksheet (Water Supply Construction Only)
	Capital Improvement Plan SFN 61938 (Water Supply Construction Only)

¹ A pre-application process is allowed for assessment projects. (See Project Funding Policy, Procedure, and General Requirements)

I hereby certify that the information contained in this application for cost-share assistance is true and accurate, and all required materials have been provided with this application. I have read and understand the Water Commission's requirements for a completed application, and further understand that the submission of an incomplete application package will not be considered by the Water Commission for cost-share assistance.

Duane DeKrey		8 July 21
Project Sponsor (Printed Name)	Project Sponsor (Signature)	Date

PLEASE NOTE

The cost-share application (SFN 60439); Life Cycle Cost Analysis Worksheet; Economic Analysis Worksheet; Project Funding Policy, Procedure, and General Requirements; and future meeting dates are available via the Water Commission website at swc.nd.gov. If you have questions, please call 701-328-4989 or email swccostshare@nd.gov.



COST-SHARE REQUEST
NORTH DAKOTA WATER COMMISSION
PLANNING DIVISION
SFN 60439 (7/2021)

This form is to be filled out by the project or program sponsor with Water Commission staff assistance as needed. Applications for cost-share are accepted at any time. However, applications received less than 45 days before a Water Commission meeting will be held for consideration at the next scheduled meeting.

Please answer the following questions as completely as possible. Supporting documents such as maps, detailed cost estimates, and engineering reports should be attached to this form. If additional space is required, please use extra sheets as necessary.

For information regarding cost-share program eligibility see the *Water Commission Cost-Share Policy, Procedure, and General Requirements* – available upon request or at www.swc.nd.gov.

Project, Program, Or Study Name Red River Valley Water Supply Project		
Sponsor(s) Garrison Diversion Conservancy District		
County McLean, Foster, Griggs-construction areas	City N/A	Township/Range/Section N/A
Request Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Updated (previously submitted)	Description Type <input type="checkbox"/> Pre-Construction <input checked="" type="checkbox"/> Construction	
If Study, What Type <input type="checkbox"/> Water Supply <input type="checkbox"/> Hydrologic <input type="checkbox"/> Floodplain Mgmt. <input type="checkbox"/> Feasibility <input type="checkbox"/> Other		
If Project/Program		
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Recreation
<input type="checkbox"/> Dam Safety/EAP	<input checked="" type="checkbox"/> Multi-Purpose	<input type="checkbox"/> Ring Dike Program
<input type="checkbox"/> FEMA Levee Program	<input checked="" type="checkbox"/> Municipal Water Supply	<input type="checkbox"/> Rural Flood Control
<input type="checkbox"/> Flood Protection Program	<input type="checkbox"/> Property Acquisition Program	<input checked="" type="checkbox"/> Rural Water Supply
Jurisdictions/Stakeholders Involved In This Project		
Multiple cities and rural water systems in central and eastern North Dakota. Lake Agassiz Water Authority represents the local water systems and Garrison Diversion represents the State of North Dakota.		
Description Of Problem Or Need And How The Project Provides A Solution		
During a drought, central and eastern North Dakota have few options for supplying water to municipal, rural, and industrial users. The large systems depend almost entirely on surface water supplies, which are limited and unreliable under drought conditions. Additionally, the limited available groundwater resources are nearly fully appropriated and industrial water supply availability is inadequate across central and eastern North Dakota. Ag industry growth is limited in rural areas. The RRVWSP will transport Missouri River water to central and eastern North Dakota. The water will be carried via buried pipeline from an intake site near Washburn, and then east along ND Highway 200 to the Sheyenne River above Lake Ashtabula, just north of Valley City. The 72" pipe will be able to convey water at 165 cubic feet per second (cfs) at full flow. The project is needed to mitigate against drought conditions that would cause costly shortages, foster economic development by meeting municipal, rural and industrial water demands, and promote environmental stability.		
Level Of Study Completed		
90% Completed on Contract Pipeline 5B Project-wide preliminary design over 30% complete.		

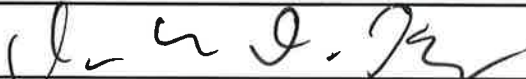
Describe Potential Obstacles To Implementation
Land Acquisition Land acquisition is still ongoing for the full project extent, but is on track and no serious obstacles are expected.
Permits The project has received all necessary state and federal permitting, and expects to receive local permits.
Funding Obtaining affordable long term, low interest financing has been challenging for project users, particularly rural users.
Local Opposition
Environmental Concerns
Other The legal challenges are expected to be similar to Canadian challenges to the NDPDES permit for the Devils Lake Outlet, on w

Funding Timeline (carefully consider when SWC cost-share will be needed)				
Source	Total Cost	2021-2023 7/1/21-6/30/23	2023-2025 7/1/23-6/30/25	Beyond 7/1/25
Federal	\$ 0.00	\$	\$	\$
Water Commission	\$ 510,800.00	\$ 510,800.00	\$	\$
Other State	\$ 0.00	\$	\$	\$
Local	\$ 170,200.00	\$ 170,200.00	\$	\$
Total	\$ 681,000.00	\$ 681,000.00	\$ 0.00	\$ 0.00

Funding Detail (provide names and amounts from all potential funding sources from the table above.)				
Source	Amount	Grant Or Loan	Term	Interest
Water Commission	\$ 510,800.00	Grant	0	0 %
Local	\$ 170,200.00	Loan	40	2 %
	\$			%
	\$			%

Explain Timelines For All Phases And Their Current Status
Overall, the RRVWSP is projected to be a multi-biennium build with design and construction activities ramping up each year.

Study (Month/Year) Ongoing	Design (Month/Year) Ongoing	Bid (Month/Year) Ongoing			
Construction Start (Month/Year) Ongoing	Construction Completion (Month/Year) 2031-2033 Biennium				
Has Economic Analysis Been Completed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Not Applicable	
Has Life Cycle Cost Analysis Been Completed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Not Applicable	
Has Feasibility Study Been Completed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Ongoing	<input type="checkbox"/> Not Applicable	
Has Engineering Design Been Completed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Ongoing	<input type="checkbox"/> Not Applicable	
Have Land Or Easements Been Acquired?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Ongoing	<input type="checkbox"/> Not Applicable	
Have Assessment Districts Been Formed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Not Applicable	If Yes, (Date)?
Are Connections For New Rural Customers Located Within The Extra-Territorial Jurisdiction Of A Municipality?					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

Have You Applied For Any Federal Permits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Have You Been Approved For Any Federal Permits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Type Nationwide Permit		Number 12	
If Yes, Please Explain Permits issued by the U.S. Army Corps of Engineers (Corps) authorize various types of development projects in wetlands and other waters of the United States. The existing Nationwide Permit 12 (NWP 12) authorizes eligible discharges of dredged or fill material into waters of the United States in connection with the construction, maintenance, repair, and removal of utility lines, including water pipes and intake structures. An NWP 12 was completed and submitted to the CORPS in April 2017.			
Have You Applied For Any State Permits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Have You Been Approved For Any State Permits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Type See below		Number See Below	
If Yes, Please Explain Sovereign Lands Permit:Office of State Engineer-Permit-S-2083 - Received June 2019 Water Appropriations Permit: Office of State Engineer-Permit 1416A - Received April 2019 Highway Permit: Permit for crossing US 52/US281-Tracking Number 3-052-224-4542-Received May 2020 NDPDES Permit:DEQ- Received August 2020-Permit ND0026964			
Have You Applied For Any Local Permits? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Have You Been Approved For Any Local Permits? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable			
Type		Number	
If Yes, Please Explain			
Submitted By Garrison Diverision Conservancy District		Date	
Address PO Box 140		City Carrington	State ND
		ZIP Code 58421	
Sponsor's Telephone Number 701-652-3194		Sponsor's Email Address merrim@gdcd.org	
Engineer's Name Kip Kovar		Engineer's Telephone Number 701-652-3194	
Engineer's Company Black & Veatch		Engineer's Email Address kipk@gdcd.org	
I Certify That, To The Best Of My Knowledge, The Provided Information Is True And Accurate.			
Signature 			Date

E-MAIL TO:
swccostshare@nd.gov

OR

Submit Via Email



DELINEATION OF COSTS
NORTH DAKOTA WATER COMMISSION
PLANNING DIVISION
SFN 61801 (7/2021)

SWC Date Received : Month Day, Year

Project Costs

Project: Red River Valley Water Supply Project
Sponsor: Garrison Diversion Conservancy District
Contact: Merri Mooradian, Administrative Officer
Phone: 701-652-3194
Engineer: Black & Veatch
Phone: 414-455-1606

Total Cost :	\$	681,000
Ineligible Cost :	\$	-
Eligible Cost :	\$	681,000
Local Cost :	\$	170,200

Date: July 8, 2021

Cost-Share \$	\$	510,800
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Project Type:	Water Supply - Connect to Regional System	Cost-share %	75%
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Item	%	Cost Classification	Quantities	Unit	Unit Price	Total	Cost-Share %	Cost-Share \$ *
Construction Costs								
1	#DIV/0!		0			\$ -	75%	\$ -
2	#DIV/0!		0			\$ -	75%	\$ -
3	#DIV/0!		0			\$ -	75%	\$ -
4	#DIV/0!		0			\$ -	75%	\$ -
5	#DIV/0!		0			\$ -	75%	\$ -
6	#DIV/0!		0			\$ -	75%	\$ -
7	#DIV/0!		0			\$ -	75%	\$ -
8	#DIV/0!		0			\$ -	75%	\$ -
9	#DIV/0!		0			\$ -	75%	\$ -
10	#DIV/0!		0			\$ -	75%	\$ -
11	#DIV/0!		0			\$ -	75%	\$ -
12	#DIV/0!		0			\$ -	75%	\$ -
13	#DIV/0!		0			\$ -	75%	\$ -
14	#DIV/0!		0			\$ -	75%	\$ -
15	#DIV/0!		0			\$ -	75%	\$ -
16	#DIV/0!		0			\$ -	75%	\$ -
17	#DIV/0!		0			\$ -	75%	\$ -
18	#DIV/0!		0			\$ -	75%	\$ -
19	#DIV/0!		0			\$ -	75%	\$ -
20	#DIV/0!		0			\$ -	75%	\$ -
21	#DIV/0!		0			\$ -	75%	\$ -
22	#DIV/0!		0			\$ -	75%	\$ -
23	#DIV/0!		0			\$ -	75%	\$ -
24	#DIV/0!		0			\$ -	75%	\$ -
25	#DIV/0!		0			\$ -	75%	\$ -
26	#DIV/0!		0			\$ -	75%	\$ -
		Construction Sub-Total				\$ -	75%	\$ -
	0.0%	Contingency				\$ -	75%	\$ -
	0.0%	Construction Total				\$ -	75%	\$ -

Engineering Costs								
27	#DIV/0!	Final Design-Transmission Pipeline	1	NA	495,441.00	\$ 495,441	75%	\$ 371,581
28	#DIV/0!	Bidding / Negotiations Transmission Pipe	1	NA	79,559.00	\$ 79,559	75%	\$ 59,669
29	#DIV/0!	Operational Modeling & Asset Mgmt	1	NA	106,000.00	\$ 106,000	75%	\$ 79,500
30	#DIV/0!		0			\$ -	75%	\$ -
31	#DIV/0!		0			\$ -	75%	\$ -
32	#DIV/0!		0			\$ -	75%	\$ -
32	#DIV/0!		0			\$ -	75%	\$ -
33	#DIV/0!		0			\$ -	75%	\$ -
	100.0%	Engineering Total				\$ 681,000	75%	\$ 510,750

Other Eligible Costs								
34	0.0%		1	LS		\$ -	75%	\$ -
35	0.0%		1			\$ -	75%	\$ -
36	0.0%		1			\$ -	75%	\$ -
37	0.0%		1			\$ -	75%	\$ -
38	0.0%		1			\$ -	75%	\$ -
39	0.0%		1			\$ -	75%	\$ -
40	0.0%		1			\$ -	75%	\$ -
41	0.0%		1			\$ -	75%	\$ -
	0.0%	Other Eligible Total				\$ -	75%	\$ -

In-eligible Costs								
42	0.0%		1			\$ -	0%	\$ -
43	0.0%		1			\$ -	0%	\$ -
44	0.0%		1			\$ -	0%	\$ -
45	0.0%		1			\$ -	0%	\$ -
46	0.0%		1			\$ -	0%	\$ -
47	0.0%		1			\$ -	0%	\$ -
48	0.0%		1			\$ -	0%	\$ -
49	0.0%		1			\$ -	0%	\$ -
	0.0%	Other Ineligible Total				\$ -	0%	\$ -

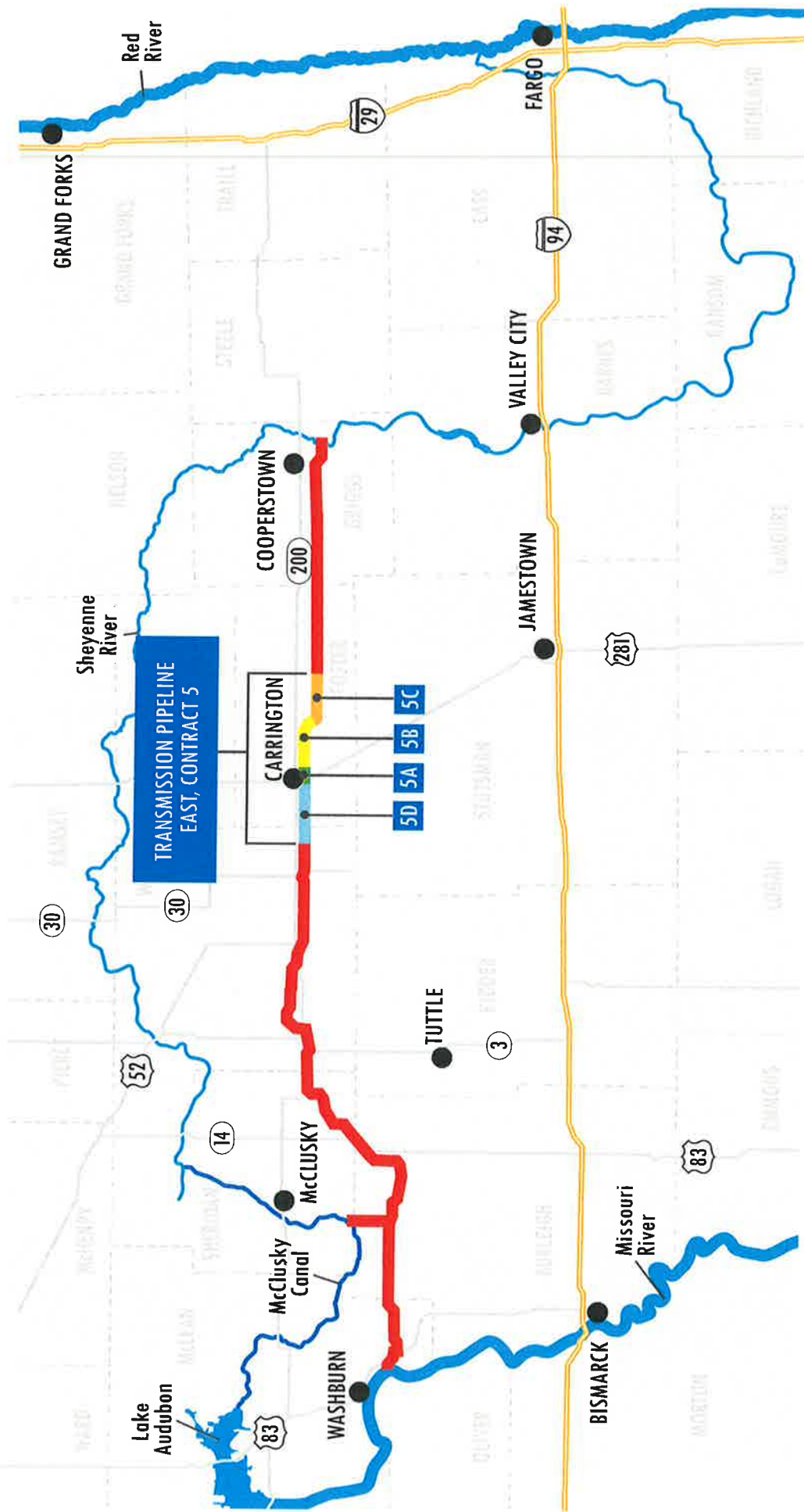
100.0%	Total	\$	681,000					
	Eligible Total	\$	681,000	75%		\$	510,750	

Federal or State Funds That Supplant Costs	\$	-						
Eligible Cost Total	\$	681,000	75%		\$	510,750		

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

167-MILE PIPELINE

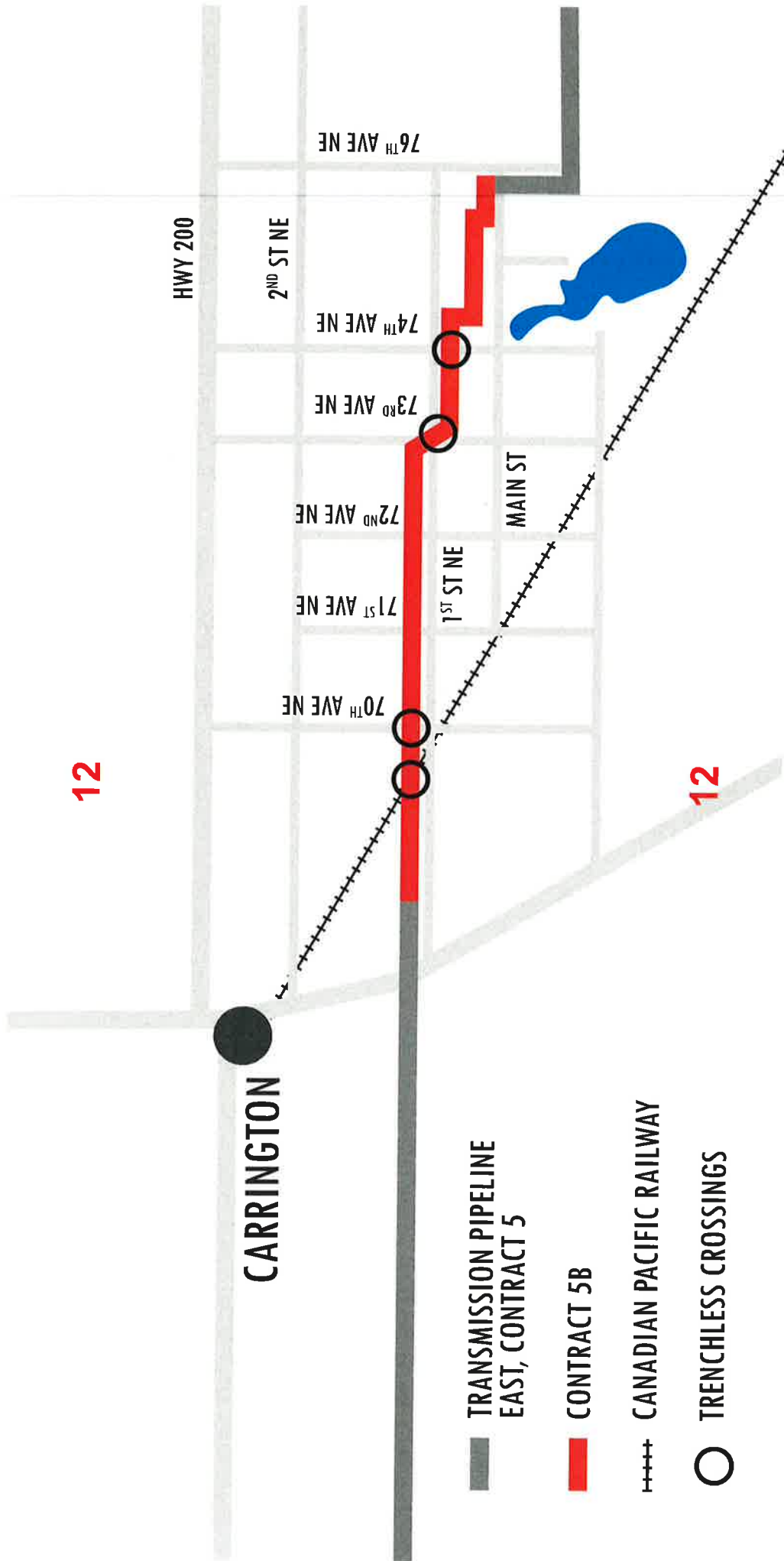
10



Map Includes Highlighted
Portion of North Dakota

- FUTURE RRVWSP TRANSMISSION PIPELINE PROJECTS
- CONTRACT 5A
- CONTRACT 5B
- CONTRACT 5C
- CONTRACT 5D

10



TRANSMISSION PIPELINE
EAST, CONTRACT 5

CONTRACT 5B

CANADIAN PACIFIC RAILWAY

TRENCHLESS CROSSINGS

12

12

**2021 Budget Analysis**

For the period of January 1, 2021-July 31, 2021

Income	2021 Budget		Balance of Budget
Dues Income	\$ 30,000.00	\$ 32,900.00	\$ (2,900.00)
Interest Income	\$ -		\$ -
Miscellaneous	\$ -	\$ 229.60	\$ (229.60)
Cost Share-Interim Finance	\$ 2,577,792.00	\$ 322,884.01	\$ 2,254,907.99
Total Income	\$ 2,607,792.00	\$ 356,013.61	\$ 2,251,778.39
Expenses			
Dues Expenses	\$ 1,300.00	\$ 6,300.00	\$ (5,000.00)
Accounting	\$ 1,000.00		\$ 1,000.00
Directors Expense	\$ 500.00		\$ 500.00
Insurance	\$ 550.00		\$ 550.00
Construction	\$ 1,965,236.00	\$ 161,032.07	\$ 1,804,203.93
Engineering	\$ 300,056.00	\$ 43,656.54	\$ 256,399.46
Property Acquisition/Easements	\$ 150,000.00		\$ 150,000.00
Adm/Legal/Financial	\$ 254,000.00	\$ 42,185.00	\$ 211,815.00
Total Expenses	\$ 2,672,642.00	\$ 253,173.61	\$ 2,419,468.39
Net Income (Loss)	\$ (64,850.00)	\$ 102,840.00	\$ (167,690.00)

Account Activity

Beg. Bank Balance 1-1-2021		\$ 644,467.08
Income Received		\$ 356,013.61
Total Funds Available		\$ 1,000,480.69
Ck#1174-North Dakota Water Coalition	\$ 1,000.00	
Ck#1175-North Dakota Water Users Assoc.	\$ 5,000.00	
Ck#1176 Ohnstad Twichell, P.C.	\$ 1,890.00	
Ck#1177 Garrison Diversion	\$ 89,927.05	
Ck#1178 Ohnstad Twichell, P.C.	\$ 1,360.00	
Ck#1179 Garrison Diversion	\$ 20,500.00	
Ck#1180 Garrison Diversion	\$ 114,761.56	
Ck#1181 Ohnstad Twichell	\$ 3,060.00	
Ck#1182 Garrison Diversion	\$ 15,375.00	
Ck#1183 North Dakota Rural Water Users	\$ 300.00	
Total Expenses	\$ 253,173.61	
Ending Bank Balance		\$ 747,307.08