

The following minutes are in draft form subject to review and approval by the Lake Agassiz Water Authority Board of Directors at its next meeting.

17-21

## **LAKE AGASSIZ WATER AUTHORITY**

### **BOARD OF DIRECTORS**

**Holiday Inn  
Fargo, North Dakota  
June 23, 2017**

A meeting of the Lake Agassiz Water Authority (LAWA) board of directors was held at the Holiday Inn, Fargo, North Dakota, on June 23, 2017. The meeting was called to order by Chair Mahoney at 11 a.m.

#### **MEMBERS PRESENT**

Chair Tim Mahoney  
Vice Chair Ken Vein  
Director LaVonne Althoff  
Director Rick Bigwood  
Director John Hancock  
Director Mark Johnson  
Director Ralf Mehnert-Meland  
Director Keith Nilson  
Director Carol Siegert  
Alternate Geneva Kaiser for Associate Member Bob Keller  
Secretary Duane DeKrey

#### **MEMBERS ABSENT**

Director Dave Carlsrud  
Associate Member Don Bajampaa

#### **OTHERS PRESENT**

Staff members of the Garrison Diversion Conservancy District were present along with others. The registration sheet is attached to these minutes as Annex I.

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

#### **AGENDA**

**Motion by Director Althoff to approve the agenda with the addition of StateMod under the Red River Valley Water Supply Project (RRVWSP) Work Plan Update. Second by Director Johnson. Upon voice vote, motion carried.**

#### **INTRODUCTIONS**

Chairman Mahoney called on guests in the audience to introduce themselves and identify whom they represent.

## **CONSIDERATION OF THE MINUTES**

**Motion by Vice Chair Vein to dispense with a reading of the February 10, 2017, board minutes and approve them as distributed. Second by Director Mehnert-Meland. Upon voice vote, motion carried.**

## **COMMITTEE REPORTS**

**Finance Committee** - - Merri Mooridian, Deputy Program Manager RRVWSP Administration, and Secretary, Finance Committee, reported that the committee met on April 19 and on May 16 to discuss project financing and to meet with the municipal financial advisors from Ernest & Young to go over modeling scenarios.

**Technical Advisory Committee** - - Al Grasser, Chair, Technical Advisory Committee, informed the board that the committee met on March 10 and heard updates on the Missouri River conventional intake, pipeline alignment, system hydraulics, structures and operations and water treatment plant options.

The committee was also shown comparisons of the features and impacts on receiving waters, hydraulic structures and costs using the Baldhill Creek versus the Sheyenne River as discharge options. Following the presentation, the committee took action to suspend the Baldhill Creek option as a discharge location for the RRVWSP and is recommending moving forward with the Sheyenne River discharge location.

**Motion by Director Johnson to approve suspending the Baldhill Creek option as a discharge location for the RRVWSP and move forward with the Sheyenne River discharge location. Second by Director Nilson. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Hancock, Johnson, Mahoney, Mehnert-Meland, Nilson, Siegert and Vein. Those voting nay: none. Absent and not voting: Carlsrud. Motion carried.**

## **RED RIVER VALLEY WATER SUPPLY PROJECT (RRVWSP) UPDATE**

**Presentation** - - Kip Kovar, Deputy Program Manager, RRVWSP Engineering, provided a PowerPoint presentation as an engineering update on the intake, pipeline alignment, pump site and pump station, break tank, discharge site and structure and the control valve station.

**StateMod** - - Mr. Kovar also provided a status report on the StateMod, which was the accounting software previously used by the Bureau of Reclamation. This was used to size the pipe, accounting for natural flows within the system that can be leveraged. It will also be used to calculate how much water is in the river and simulate the 1930-1940 time period, taking into account past weather conditions.

Mr. Kovar said an earlier task order was approved to revive the StateMod. As a result, the 2008 Environmental Impact Statement (EIS) data was replicated, and he reviewed the results with the board. He also explained the issues with the existing model and provided recommendations for a StateMod update.

**Work Plan Update** - - Mr. Kovar referred to the RRVWSP Work Plan Update dated May 25 and provided a status report of the ongoing task orders. He also introduced two task order amendments. A copy of the update is attached to these minutes as Annex II.

## Task Order Amendments

### **Pipeline Design**

Mr. Kovar referred to the task order amendment regarding pipeline design, stating that previously there were three separate task orders that collectively provided for environmental, survey and preliminary engineering services for the RRWSP pipeline. Under these task orders, preliminary engineering was to proceed based on the horizontal alignment developed in the conceptual design phase. In the course of completing preliminary design, changes were made to the pipeline alignment, which resulted in additional effort being required to complete preliminary design services. He asked for the committee's approval to continue the work on the pipeline design.

**Motion by Director Althoff to approve the task order amendment for pipeline preliminary design in the amount of \$920,648. Second by Director Siegert. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Hancock, Johnson, Mahoney, Mehnert-Meland, Nilson, Siegert and Vein. Those voting nay: none. Absent and not voting: Carlsrud. Motion carried.**

### **Discharge Structure**

Mr. Kovar referred to the task order amendment regarding the discharge structure. The original task order provided for the permit-level design of the discharge structure at either Baldhill Creek or the Sheyenne River. The discharge location that has been selected is the Sheyenne River. This amendment captures new work required to obtain a North Dakota Pollutant Discharge Elimination System (NDPDES) permit to discharge water to the Sheyenne River, including coordination with the North Dakota Department of Health (NDDH), preparing the NDPDES permit application evaluating water treatment processes and completing a facilities conceptual design update for treatment of Missouri River water conveyed, treated and discharged into the Sheyenne River. The work is being added as an amendment to the design of the discharge structure because the discharge structure cannot be implemented without having a NDPDES permit to discharge water into the Sheyenne River.

**Motion by Director Bigwood to approve the task order amendment for permit level design of the RRWSP discharge structure in the amount of \$317,000. Second by Director Siegert. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Hancock, Johnson, Mahoney, Mehnert-Meland, Nilson, Siegert and Vein. Those voting nay: none. Absent and not voting: Carlsrud. Motion carried.**

### **StateMod**

Mr. Kovar distributed a copy of the task order to continue work with the StateMod at a cost of \$111,736. Half of this would be used for updates to the model and the other half would be spent on making model runs. He added that the original task order was for \$100,000, and only \$70,000 was expended. Therefore, the remainder will be reflected in this task order amount.

**Motion by Director Nilson to approve the task order amendment for the StateMod in the amount of \$111,736. Second by Director Johnson. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Hancock, Johnson, Mahoney,**

**Mehnert-Meland, Nilson, Siegert and Vein. Those voting nay: none. Absent and not voting: Carlsrud. Motion carried.**

**Program Management Plan** - - Vice Chair Vein reported that a topic of discussion at Garrison Diversion's Red River Valley and Executive Committee meetings was program management. Both committees took action to approve a comprehensive program management plan, which is needed in order to keep the project moving forward on its critical path. A Gantt chart would be put together showing all of the different project components that are ongoing and tie them together under one program. This plan will also assist with staffing and organization. The task order will be presented at the next meeting.

**Planning Level Budget** - - Ms. Mooridian referred to the planning level budget dated May 31, 2017, and reviewed it with the board. The top portion shows conceptual engineering with a total of \$4.9 million spent. That phase of the project is near completion. The bottom portion of the table shows preliminary engineering. The total spent through May is \$5.7 million. The amount remaining for preliminary engineering is \$1.5 million. The total project cost estimate is \$13.8 million with costs to date of \$11.4 million, leaving approximately \$2.4 million. A copy of the budget is attached to these minutes as Annex III.

**Lake Audubon Water Control Plan** - - Duane DeKrey, Secretary, reported that he and Mr. Kovar recently attended a meeting with the Corps of Engineers' regarding the Lake Audubon Water Control Plan. The gist of the meeting was they have no drought contingency plan for the Snake Creek embankment. Their proposal is to implement a differential pool restriction of 43 feet between Lake Sakakawea and Lake Audubon.

The proposed restriction could be very harmful to the Garrison Diversion Unit (GDU) preventing water deliveries for MR&I and irrigation and affecting mitigation features in a drought. It would also cause significant financial implications on the GDU and economic impacts to the state.

Mr. Kovar presented a portion of the Corps' PowerPoint presentation and provided comments to better explain the situation. He added that Garrison Diversion has approved a task order that will look at how the proposed lower water elevations could affect irrigation and RRVWSP water availability in the McClusky Canal. It will also review the Corps' Snake Creek Embankment seepage evaluation.

Secretary DeKrey said that Garrison Diversion is working on a strategy to combat this proposed plan. The governor, state engineer and other state agencies/organizations have also been engaged. Letters are being prepared by each office to the Corps voicing their opposition to their proposal. He added that the Corps will hold two public meetings regarding this issue on June 27 in Garrison and June 28 in Bismarck.

Vice Chair Vein said this specifically impacts LAWA if water is to be obtained from the McClusky Canal for the RRVWSP. It is an even bigger issue for Garrison Diversion because of irrigation along the canal.

Chair Mahoney suggested that LAWA also prepare a letter to the Corps in support of Garrison Diversion's efforts on this issue.

Mr. Kovar commented that the public process begins with the hearings next week. After that, the Environmental Assessment (EA) will be drafted.

Tami Norgard, Vogel Law Firm, stated the letter she is assisting with for Garrison Diversion will point out the statutory mandates, requirements of the court to maintain the facilities, that there is a current cooperative agreement with Reclamation to operate and maintain the facilities and there are irrigation contracts binding the federal government to deliver water.

**Proposed Surplus Water Supply Rule** - - Ken Royse, Chairman, Garrison Diversion Conservancy District, referred to comments he prepared that will be submitted to the Corps of Engineers regarding the proposed Surplus Water Rule and summarized the issues relating to the use of water stored behind dams constructed along the Missouri River.

The Corps of Engineers is attempting to define the differences between the Flood Control Act of 1944 and the 1958 Federal Water Supply Act. In the Corps' proposed Surplus Water Rule, the document attempts to administer the different reservoirs in the country to add clarity and simplicity to the process.

### **2017 LEGISLATIVE SESSION**

Secretary DeKrey said the 2017 legislative session went very well. The RRVWSP came out with \$30 million in funding. He thanked Senator Lee, who was in the audience, for his involvement, adding that the governor and the legislature are very supportive of the project.

**SB2269** - - Ms. Mooridian distributed and reviewed SB2269 by section. This bill allows Garrison Diversion to work with the public finance agency. It updates the Century Code and adds Central North Dakota to the project as well as two board members to the LAWA board. It also changes the intent to a state project versus a federal project.

**SB2270** - - Ms. Mooridian reported that SB2270 provides LAWA the authority to work with the public financing agency for the use in financing the construction, acquisition, expansion, alteration, betterment, maintenance or renovation of a project under the RRVWSP.

**HB1020** - - Ms. Mooridian referred to and reviewed HB1020. This is the State Water Commission's appropriation bill and includes funding for the RRVWSP. Section 7 is legislative intent in which the RRVWSP was designated \$30 million. Of that, \$17 million is for the completion of planning and permitting, and \$13 million is to initiate construction of Phase 1 prioritized project features. Section 8 refers to a legislative management report and lists the funding requirements that must be met, which she reviewed with the board.

### **FINANCIAL REPORT**

**2017 Budget Analysis Statement** - - Ms. Mooridian referred to and reviewed the Budget Analysis statement for the period of January 1 to May 31, 2017, a copy which is attached to these minutes as Annex IV.

Total income through May 31, 2017, is \$561,728. Expenses are \$1,307. The total bank balance at the end of May is \$873,621.

**Bills Paid** - - Garrison Diversion was recently paid \$220,116 for LAWA's 10 percent cost share of expenditures.

**Summary of Dues and Cost Share Payments** - - Ms. Mooridian referred to the table showing membership dues and cost share payments received. Dues collected in 2017 total \$32,450. Cost share payments submitted in 2017 are \$529,250.

## **UNFINISHED BUSINESS**

**RFP for Auditing Services** - - Ms. Mooridian reminded the board of the action previously taken by the board authorizing staff to prepare a Request for Proposals (RFP) for auditing services. The RFP was advertised and two auditing firms responded. They are EideBailly for a cost of \$6,000 and Brady Martz at \$5,685.

Ms. Mooridian added that LAWA is not required to complete an audit each year, but has always chosen to do so.

It was the consensus of the board to continue with the audit process and allow staff to select an auditing firm.

**Motion by Director Siegert to allow staff to continue with the process for auditing services. Second by Vice Chairman Vein. Upon roll call vote, the following directors voted aye: Althoff, Bigwood, Hancock, Johnson, Mahoney, Mehnert-Meland, Nilson, Siegert and Vein. Those voting nay: none. Absent and not voting: Carlsrud. Motion carried.**

## **NEW BUSINESS**

**Resolutions of Appreciation** - - Chair Mahoney referred to and read the resolution of appreciation for Dan Boyce, who recently retired as the general manager of East Grand Forks' Water and Light Department. He has been a long-time supporter of the RRWSP and formerly served on the Lake Agassiz Water Authority Technical Advisory and AD HOC Cost Allocation Committees.

A copy of the resolution is attached to these minutes as Annex V.

**Motion by Vice Chair Vein to approve the resolution of appreciation for Dan Boyce. Second by Director Bigwood. Upon voice vote, motion carried.**

Chair Mahoney referred to the resolution of appreciation for Randy Rapacz, who also retired recently from East Grand Forks Water and Light Department as the superintendent. He had currently been a member of the Lake Agassiz Water Authority Technical Advisory Committee and the Finance Committee.

A copy of the resolution is attached to these minutes as Annex VI.

**Motion by Vice Chair Vein to approve the resolution of appreciation for Randy Rapacz. Second by Director Johnson. Upon voice vote, motion carried.**

## **OTHER**

There being no further business to come before the board, the meeting adjourned at 12:38 p.m.

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Timothy Mahoney, Chair

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Duane DeKrey, Secretary



## RRVWSP Work Plan Update May 25, 2017

### Goal

Spring 2016	Completed Conceptual Design and Cost Estimate
Summer 2017	Complete Preliminary Design and Cost Estimate for pipeline and pump station(s)
2017 - 2018	Complete Phased Final Design and Cost Estimates
2019 - 2027	Phased Bidding and Construction

Total draft budget to complete Conceptual, Preliminary and Final designs is \$66 million. The ND legislature appropriated \$12.359 million for the RRVWSP for the 2015-2017 biennium. The conceptual design phase has been completed; therefore, no further updates will be included in this report. The ND legislature appropriated \$30 million for the RRVWSP for the 2017-2019 biennium.

### Preliminary Design

The conceptual design is complete and was released in September 2016. Preliminary design is underway, and it is estimated to cost \$10 million to complete the preliminary design on the entire project. Moving forward with limited funds, it is cost effective to start project phasing. The Implementation Plan will provide a road map to move forward with items that have to be completed first, which include permit phasing, design phasing, and construction phasing.

**1) Pipeline alignment McClusky to the split** – This pipeline segment from the McClusky Canal traversing east to the split is required for all options under the Implementation Plan. This segment, therefore, has the highest priority of all segments. Preliminary design items include field wetland boundaries, determining trenchless construction boundaries, utility identification, location of valves and blowoffs, and horizontal and vertical layout of pipeline. Estimated cost is \$2,800,000.

Status – Additional land access agreements are required due to rerouting in some areas. Field services are being coordinated and scheduled with landowners and field crews. Approximately 80% complete. The first draft of the pipe profile has been completed. Air and vacuum protection, manways and blowoffs have been placed.

**2) Missouri River Conventional Intake/COE Permit** – The Implementation Plan identified using a conventional intake near Washburn as a viable option for the RRVWSP. Conventional intake plans and drawings will be generated and submitted to the COE for approval. Work includes preliminary design of the intake and pump station, survey, river bathymetric survey, environmental and geotechnical information, and permit application. Estimated cost is \$1,000,000.

Status – Field work is complete, and draft intake drawings have been prepared for submittal to the USCOE. The intake application was received by the USCOE March 13, 2017. A preconstruction notification meeting was held May 3. Currently USCOE is reevaluating if section 408 permission is required.

**3) Pipeline alignment Washburn to McClusky** – This pipeline segment from Washburn to the McClusky Canal is required for all Missouri River intake options. This segment, therefore, has a

high priority. Preliminary design items include field wetland boundaries, determining trenchless construction boundaries, utility identification, location of valves and blowoffs, and horizontal and vertical layout of pipeline. Estimated cost is \$594,551.

Status – Additional land access agreements are required due to rerouting in some areas. Field services are being coordinated and scheduled with landowners and field crews. Field work is approximately 80% complete. The first draft of the pipe profile has been completed. Air and vacuum protection, manways and blowoffs have been placed.

**4) Pipeline alignment split to Baldhill Creek** – This pipeline segment from the split to Baldhill Creek is required for all Red River Valley delivery options under the Implementation Plan. This segment, therefore, has a high priority. Preliminary design items include field wetland boundaries, determining trenchless construction boundaries, utility identification, location of valves and blowoffs, and horizontal and vertical layout of pipeline. Estimated cost is \$574,783.

Status – Additional land access agreements are required due to rerouting in some areas. Field services are being coordinated and scheduled with landowners and field crews. Field work is approximately 80% complete. The first draft of the pipe profile has been completed. Air and vacuum protection, manways and blowoffs have been placed.

Team meetings have been held with Ernst & Young Infrastructure Advisors (EYIA) to bring them up to speed on the RRVWSP, to discuss their scope of work and how their deliverable will integrate with the financial modeling team's deliverables.

**5) Workflow Manager** – The overall objective of this task is to provide a robust Geographical Information System (GIS) that is a single source for all spatially related data with anytime access by team members, GDCCD, and other stakeholders. The GIS will contain parcels, rights-of-way, survey data, access agreements, landowner information, easements, and other pertinent data. Estimated cost is \$150,000.

Status – All software has been purchased. Three training classes on the software have been held. Data continues to be uploaded to the site. The site was activated September 9, 2016.

**6) Main Pumping Station, Pre-Treatment, Break Tank, Control Valve Structure, Hydraulics and Transient – Preliminary Engineering** – The RRVWSP Conceptual Design identified a number of alternatives for delivering Missouri River water to eastern and central North Dakota. Alternatives included various water sources, river intake facilities, pumping stations, water treatment plant locations, conveyance pipeline, and discharge locations. In general, work associated with this task order includes preliminary engineering design for the associated project elements identified below; site selection; optimization of the conceptual level design for the hydraulics and preliminary transient analysis; coordination of work associated with field services; and update opinion of probable construction costs for the project elements: Main pumping station, Pre-treatment, Break tank, and RRV control valve structure. The following assumptions were made: project capacity flow rate 165 cfs, water treatment plant location is Washburn, and discharge location is Baldhill Creek. Estimated cost is \$997,267.

Status – Preliminary site selection for pre-sedimentation basin, water treatment plant, main pump station, hydraulic break tank, and control valve structure is nearly complete. Hydraulic analysis and facility layouts are complete.

**7) Aerial Photography and LIDAR Services** – To facilitate preliminary design, base mapping in the form of digital ortho-photographs, surface model, and plan features is needed for the pipeline corridor, approximately 162 miles in length. The most efficient method by which to obtain this large amount of data is through aerial photography and light imaging, detection, and ranging (LiDAR), supplemented by ground surveys. Estimated cost is \$259,984.

Status – The pipeline corridor has been flown, and data has been processed. Aerial photography and LIDAR products are being used for preliminary design.

**8) StateMod Water Supply Model** – GDCD has recently updated user demands and has obtained preliminary nominations from 35 cities and rural water systems across central and eastern North Dakota totaling 159.24 cfs. With these updated demands, an updated design basis is needed to support the sizing of the RRVWSP pipeline. The Bureau of Reclamation (BOR) used the StateMod water supply model to support the original RRVWSP during the EIS. The StateMod model is complex, using hundreds of diversions across eastern ND and western MN with different withdrawal points and water right priorities. This task order will develop design basis to support the RRVWSP pipeline sizing, review existing StateMod files, regenerate a current understanding of how the model was constructed, and run the model so that the 2008 FEIS results can be duplicated. Estimated cost is \$103,100.

Status – StateMod files from BOR have been received. The model is running, and the original 2010 preferred alternative is being regenerated for calibration. A workshop was held May 26 to review model operation, assumptions and future recommendations.

**9) Pipeline Extensions** – To date, the layout and estimated cost of transmission pipelines to provide water to the users without existing river access has not been developed. The purpose of this Task Order is to develop a conceptual plan and associated estimated costs for these users to access the Project. The plan is expected to include turnouts on the core pipeline for future connections, the extension of the core pipeline with smaller diameter pipelines into the additional service areas, and additional pump stations to convey the flow. Estimated cost is \$627,333.

Status – The first round of pipeline extension routes has been generated. User needs are being compared with pipeline sizing for each route.

**10) Discharge Design** – This task order is for a permit level design for the discharge structure including energy dissipation structure to reduce the energy in water as it exits the pipeline near the receiving water body and the concrete apron to convey the water into the receiving water body. Estimated cost is \$300,000.

Status – Potential Sheyenne River discharge sites were reviewed at the recommendation of the LAWA Technical Advisory Committee. A site has been selected and field data is being processed. ND Department of Health has indicated they will most likely require a ND Pollution Discharge Elimination System permit for the project. Preliminary work started on what the water treatment plant would be to achieve the permit.

**11) Financial Modeling** – Financial impacts to the local users of the RRVWSP under various funding levels, project implementation scenarios, and cost-share scenarios will need to be evaluated. Financing strategies will be generated from these scenarios. The task order will assist GDCD in this effort. Estimated cost is \$363,800.

Status – The cost allocation model is being refined to include a tiered allocation structure, which considers how project users will benefit from the project by assessing both water supply needs, as well as access to project water. Initial evaluations of project financing mechanisms and local debt options are taking place. In addition to a detailed review and incorporation of project capital costs into the overall financial planning effort, costs associated with continued project operations, maintenance, and renewal for project long-term and recurring replacement assets are being developed and analyzed.

**12) Municipal Advisor** –EYIA was selected through an RFP process to provide municipal advisory services for the RRVWSP. In addition, Springsted will be retained on an as-needed basis for the issuance of bonds and related efforts. These firms have a fiduciary responsibility to GDCD. Estimated cost is \$374,835.

Status – EYIA is developing a financing model using capital expenditures spend rates based on a sampling of appropriations. In addition, they are developing a summary of potential financing options available to fund construction of the Project. EYIA's work is jointly occurring and being incorporated into the financial modeling being completed by Advanced Engineering and Environmental Services and Black & Veatch. The models will be reviewed by the LAWA Financial Advisory Committee.

Red River Valley Water Supply Project Planning Level Budget May 31, 2017			
	July 2015 through June 2017		
	Current Estimate	Actual July 2015 - May 2017	Estimated April - June 2017
Conceptual Engineering (July 2015 - June 2016)	% Complete		
Missouri River Intake Investigation	100%	\$ 1,141,058	\$ -
Horizontal Collector Well	100%	\$ 400,564	\$ -
Hydraulic and Pump System	100%	\$ 478,455	\$ -
Pipeline Alignment	100%	\$ 958,000	\$ -
Discharge System (Baldhill Creek)	99%	\$ 805,988	\$ 8,629
Land Services	81%	\$ 469,980	\$ 90,430
Needs Assessment	100%	\$ 149,863	\$ -
Water Treatment Plant Analysis	99%	\$ 438,731	\$ 2,957
Implementation Plan	88%	\$ 190,000	\$ 23,272
Sub-Total	98%	\$ 5,032,639	\$ 125,288
<b>Preliminary Engineering (July 2016 - June 2017)</b>			
Needs Assessment - amendment #1 & 2	100%	\$ 294,604	\$ -
Missouri River Conventional Intake Design	85%	\$ 999,578	\$ 149,269
Pipeline Alignment McClusky to Split & Land Services (ROE)	79%	\$ 2,515,425	\$ 1,995,477
Pipeline Alignment Washburn-McClusky & Land Services (ROE)	105%	\$ 593,683	\$ 621,534
Pipeline from Split to Baldhill Creek (RRV) Land Services (ROE)	74%	\$ 574,783	\$ 425,147
<i>Baldhill Creek Analysis Phase II</i>	On Hold		\$ 149,636
Land Services (Aerial)	100%	\$ 259,984	\$ 892
Main Pump Station and Break Tank	75%	\$ 997,267	\$ 744,750
StateMod	78%	\$ 103,100	\$ 80,367
Pipeline Extensions	53%	\$ 627,333	\$ 331,258
<i>McClusky Canal Intake</i>	On Hold		\$ 296,075
Discharge Design (Sheyenne/Baldhill)	40%	\$ 300,000	\$ 119,111
<i>Water Treatment Plant, does not include pilot</i>	On Hold		\$ 180,889
Sub-Total	79%	\$ 7,265,757	\$ 1,544,108
<b>Administration, Legal and Financial</b>			
Administration (cost & schedule, communications, LAWA)			
Legal	51%	\$ 240,208	\$ 64,508
Financial Modeling	54%	\$ 375,000	\$ 191,432
Municipal Advisor	56%	\$ 413,800	\$ 223,369
Workflow Manager	83%	\$ 374,835	\$ 208,157
Sub-Total		\$ 1,500,000	\$ 124,637
Total	83%	\$ 1,553,843	\$ 812,104
Total		\$ 13,852,239	\$ 11,441,103
90% State Cost Share		\$ 12,467,015	\$ 10,296,993
10% LAWA Cost Share		\$ 1,385,224	\$ 1,144,110

\* 2015-/2017 state appropriation \$12,359,000



**2017 Budget Analysis**  
For the period of January 1, 2017 - May 31, 2017

<b>Income</b>	<b>2017 Budget</b>	<b>Actual as 05/31/17</b>	<b>Balance of Budget</b>
Dues Income	\$ 27,000.00	\$ 32,450.00	\$ (5,450.00)
Interest Income	\$ 50.00	\$ 27.43	\$ 22.57
Miscellaneous	\$ -	\$ -	\$ -
Cost Share/Development Agr.	\$ 1,200,000.00	\$ 529,250.67	\$ 670,749.33
<b>Total Income</b>	<b>\$ 1,227,050.00</b>	<b>\$ 561,728.10</b>	<b>\$ 665,321.90</b>

**Expenses**

Dues Expenses	\$ 1,280.00	\$ 1,280.00	\$ -
Accounting	\$ 5,000.00	\$ -	\$ 5,000.00
Directors Expense	\$ 100.00	\$ -	\$ 100.00
Insurance	\$ 550.00	\$ -	\$ 550.00
Service Fees	\$ 66.00	\$ 27.50	\$ 38.50
Water Quality Sampling	\$ 5,500.00	\$ -	\$ 5,500.00
Engineering	\$ 1,233,657.00	\$ -	\$ 1,233,657.00
Adm/Legal/Financial	\$ 70,000.00	\$ -	\$ 70,000.00
<b>Total Expenses</b>	<b>\$ 1,316,153.00</b>	<b>\$ 1,307.50</b>	<b>\$ 1,314,845.50</b>

**Account Activity**

Beg. Bank Balance 1-1-17		\$ 313,250.51
Income Received		\$ 561,728.10
<b>Total Funds Available</b>		<b>\$ 874,978.61</b>
Service Fees	\$ 27.50	
#1130 ND Water Coalition	\$ 1,000.00	
#1131 ND Rural Water Systems	\$ 280.00	

<b>Total Expenses</b>	<b>\$ 1,307.50</b>	
<b>Ending Bank Balance</b>		<b>\$ 873,671.11</b>

## RESOLUTION

**WHEREAS, Dan Boyce** has served with distinction as General Manager of the East Grand Forks Water and Light Department since 1990, committed to running the department with the best interests of East Grand Forks' residents in mind; and,

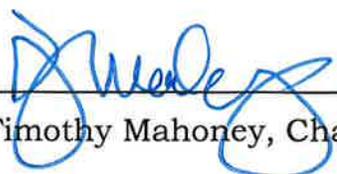
**WHEREAS, Dan Boyce** played an instrumental role in preventing floodwaters from taking over the East Grand Forks Water and Light during the 1997 flood; and,

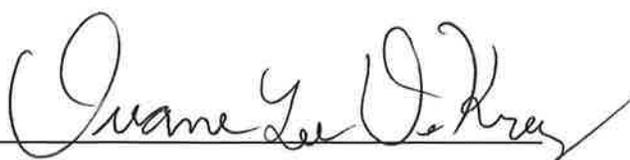
**WHEREAS, Dan Boyce** has supported many organizations during his career and been awarded with multiple prestigious awards for his dedicated service; and,

**WHEREAS, Dan Boyce** has been a long-time supporter of the Red River Valley Water Supply Project, where he served on the Lake Agassiz Water Authority Technical Advisory and AD HOC Cost Allocation Committees; and,

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Lake Agassiz Water Authority duly assembled in Fargo, in the state of North Dakota, on June 23, 2017, does hereby express its recognition for the dedication demonstrated by **Dan Boyce** throughout his career; and,

**BE IT FURTHER RESOLVED** that the Lake Agassiz Water Authority wishes **Dan Boyce** the best in his future endeavors.

  
\_\_\_\_\_  
Dr. Timothy Mahoney, Chairman

  
\_\_\_\_\_  
Duane DeKrey, Secretary

## RESOLUTION

**WHEREAS, Randy Rapacz** has served with distinction as superintendent of the East Grand Forks Water and Light Department since 2010; and,

**WHEREAS, Randy Rapacz** has devoted his career to ensuring a safe water supply for the citizens of East Grand Forks; and,

**WHEREAS, Randy Rapacz** has been a long-time supporter of the Red River Valley Water Supply Project, where he served as a member of the Lake Agassiz Water Authority Technical Advisory and Finance Committees; and,

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Lake Agassiz Water Authority duly assembled in Fargo, in the state of North Dakota, on June 23, 2017, does hereby express its recognition for the dedication demonstrated by **Randy Rapacz** throughout his career; and,

**BE IT FURTHER RESOLVED** that the Lake Agassiz Water Authority wishes **Randy Rapacz** the best in his future endeavors.

  
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Dr. Timothy Mahoney, Chairman

  
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Duane DeKrey, Secretary