

MINUTES

North Dakota State Water Commission Bismarck, North Dakota

December 11, 2020

The North Dakota State Water Commission (SWC or Commission) held a meeting via telephone conference on December 11, 2020. Governor Burgum called the meeting to order at 9:05 a.m. A quorum was present.

STATE WATER COMMISSION MEMBERS PRESENT:

Governor Burgum, Chairman (left call at 12:10 p.m.)
Lt. Governor Sanford, Acting Chairman (chaired meeting at 12:10 p.m.)
Doug Goehring, Commissioner, ND Department of Agriculture, Bismarck (left call at 1:00 p.m.)
Michael Anderson, Hillsboro
Katie Hemmer, Jamestown
Richard Johnson, Devils Lake
Mark Owan, Williston
Matthew Pedersen, Valley City
Steven Schneider, Dickinson (joined call at 10:10 a.m.)
Jason Zimmerman, Minot

STATE WATER COMMISSION MEMBERS ABSENT:

Jay Volk, Bismarck

OTHERS PRESENT:

John Paczkowski, Interim State Engineer, and Chief Engineer-Secretary
SWC Staff
Jennifer Verleger, General Counsel, Attorney General's Office
Reice Haase, Policy Advisor, Governor's Office
Approximately 100 people interested in agenda items.

CONSIDERATION OF AGENDA

The agenda for the December 11, 2020, SWC meeting was approved as presented.

CONSIDERATION OF DRAFT MEETING MINUTES

The draft minutes for the October 8 and November 12, 2020, meetings were reviewed. The October 8 minutes were approved with revisions, and the November 12 minutes were approved with no modifications.

It was moved by Commissioner Owan, seconded by Commissioner Goehring, and unanimously carried, that the minutes for the October 8 and November 12, 2020, meetings be approved as revised and presented.

SWC FINANCIAL REPORTS

The allocated program expenditures for the period ending October 2020 and financial reports were presented by Heide Delorme, Administrative Services Director (**APPENDIX A**). The oil extraction tax deposits into the Resources Trust Fund (RTF) total \$216.4M through December

2020. The revised revenue for the 2019-21 biennium was \$288.3M. The revised revenue forecast for the 2021-23 biennium is \$254.8M.

Lt. Governor Sanford asked for discussion of the \$103,440,000 which is the sum of the SWC operations, legislative intent balance, December cost-share requests, and uncommitted revenues. \$346,510,000 is approvals that have not been paid to date. \$103,440,000 is what is remaining based on the current projection for this biennium. Heide stated the information was correct.

Governor Burgum asked Heide to address the forecasted balance between now and the end of the year and the negative number in the uncommitted revenue. Heide stated the current monthly projection was \$10.3M through the end of the biennium. The negative \$-3,207,000 balance includes SWC operations and reflects actual cash available in the RTF. Heide indicated the timing of reports and financial data also contributes to the negative balance.

Commissioner Goehring asked for clarification on whether or not the unpaid amount was considered obligated to projects, and could not be used for additional projects. Heide stated that was correct.

Commissioner Hemmer stated that with the projected revenues, there was \$103M left of uncommitted funds to approve for funding through the end of the biennium. All future cost-share requests would be made from the \$103M. The \$-3,207,000 reflects the entire amount of the unfunded legislative intent of \$82,000,000 for Fargo flood control, Minot flood control, and Red River Valley Water Supply Project (RRVWSP), and may not be requested this biennium. Commissioner Hemmer stated it was deceiving to have the \$-3,207,000 when we only have \$103M left to approve.

Governor Burgum stated this was accurate because there were de-obligations against the intent balance, and communication with the SWC and the project sponsors on amounts they will need to request and spend this biennium. Governor Burgum indicated the Commission would stay in communication with project sponsors for the remaining biennium in order to determine future requests for funding. Governor Burgum affirmed the Commission will not be overspending through the end of the biennium based on relevant cash available.

Commissioner Hemmer asked to clarify that at the October 2020 Commission meeting, the Commission was told there was a zero balance of uncommitted funds, and current figures show \$103M. The financials reflect the amount actually available in the uncommitted balance and was significantly different than what was shown in October. Commissioner Hemmer stated the Commission had the opportunity to approve additional projects through the biennium, including the December cost-share requests and additional projects during the next construction season. If there are critical projects, project sponsors should submit their applications for consideration, and are approved prior to the 2021 construction season.

Commissioner Goehring stated that wasn't the information presented in October. The information given reflected the fact that the SWC was working to determine funding projections, SWC operations, and the legislative intent balance. As long as the SWC does not go beyond the legislative intent balance, funding should be available through the end of the biennium.

Lt. Governor Sanford agreed and that the \$165,205,539 was from the appropriations bill, SB 2020, from last session based on prior and higher revenue forecasts. The SWC is determining what funds are available, and the \$82.4M represents the Office of Management and Budget's (OMB) projected eight months revenue forecast, and the SWC is not yet at that projected

amount. \$103M is the best estimate of funds available because the SWC is not appropriated a cash balance, but is appropriated a projected revenue forecast balance. The SWC has been given the authority to spend \$165,205,000, based on funds available in the Resources Trust Fund (RTF). The intent balance is not approved money. Lt. Governor Sanford stated that much work had been done to better define and show funding available.

Governor Burgum stated that we did have differing information related to available funds, and asked Lt. Governor to clarify. Lt. Governor Sanford stated that the carryforward capital assets of \$38M was not clearly reflected to show whether or not those funds were included in expenses for this biennium, or if it was from carryover funds from prior biennium. It has been determined that the \$38M was carried over from 2017-19 and does not need to be included in current requests for this biennium.

ND DRINKING WATER STATE REVOLVING LOAN FUND – 2021 INTENDED USE PLAN

An update of the ND Drinking Water State Revolving Loan Fund (DWSRF) was presented by Shannon Fisher, Program Manager, ND Department of Environmental Quality (Department).

The Department prepared the 2021 Intended Use Plan, which contains the Comprehensive Project Priority List and the Fundable List. The plan was available to the public for review and comment, with a public hearing held on November 5 and comments were accepted until November 19.

In accordance with NDCC Chapter 61-28.1, the Department must administer and disburse DWSRF funds with the approval of the Commission. Also, the Department must establish assistance priorities and expend grant funds pursuant to the priority list for the DWSRF, after consulting with and obtaining the approval of the Commission.

The process of prioritizing new or modified projects is completed on an annual basis. The list includes 267 projects, with a cumulative total project cost of \$636.6M.

Following Commission approval of the 2021 Comprehensive Project Priority List and Fundable List, the Department will apply for the Environmental Protection Agency program. Commission approval will enable the Department to proceed with disbursement of funds once the Environmental Protection Agency has approved the capitalization grant. The Department intends to disburse DWSRF funds according to the 2021 Comprehensive Project Priority List and Fundable List, attached as **APPENDIX B**.

Commissioner Hemmer asked for clarification on whether or not the Department had ever turned down a qualified project based on ranking, and that funds were available for all eligible projects. Shannon stated that was correct, in regard to loan forgiveness. Loan forgiveness is based on the ratio of user rates to the systems' median household income.

Governor Burgum asked DeAnn Ament, Director, Public Finance Authority, to provide information related to the availability of bond money. DeAnn provided a history of the bonding and program funding.

The recommendation was to approve the 2021 Comprehensive Project Priority List and the Fundable List, and authorize the Department to administer the 2021 Intended Use Plan for the DWSRF. The approval is subject to the entire contents contained herein.

The following motion was made:

It was moved by Commissioner Goehring and seconded by Commissioner Johnson the Commission approve the 2021 Comprehensive Project Priority List and the Fundable List, and authorize the Department to administer the 2021 Intended Use Plan for the DWSRF. This action is subject to the entire contents contained herein.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. The motion carried.

2021-2023 SWC STRATEGIC PLAN

Pat Fridgen, Planning and Education Division Director, presented a final draft of the 2021-2023 SWC Strategic Plan (Strategic Plan) for consideration. The final draft was submitted to the Commission for their consideration at the October meeting. The Commissioners were asked to provide comments or suggested changes prior to the December meeting.

As part of the strategic planning process and the Governor's budgeting and strategy review directives, each of the SWC's divisions identified their highest project and program priorities. The information was used to establish new strategic initiatives and priorities to define how the SWC and its staff would accomplish overall goals.

Commissioner Hemmer asked why the Commission was asked to approve the Strategic Plan that SWC staff created and the Commission did not participate in creating, and whether or not the Commission had to approve. Pat stated the Strategic Plan had been brought to the Commission for approval the past two biennia for approval, but the Commission would not necessarily have to approve the Strategic Plan.

Commissioner Hemmer stated that she would like to see the Commission have a strategic plan and goals of its own. Commissioner Hemmer felt it was unnecessary to approve the Strategic Plan when the Commission did not participate or provide feedback in drafting of the Strategic Plan. Governor Burgum agreed that the Commission should be involved in future development of strategic plans, and asked that Pat take the lead to ensure this was done. Commissioner Johnson stated it was important for the Commission members to be aware and informed that the SWC staff created the new Strategic Plan, and that review and discussion on the Strategic Plan was well spent.

The following motion was made:

It was moved by Commissioner Johnson and seconded by Commissioner Pedersen the Commission approve the 2021-2023 SWC and Office of the State Engineer Strategic Plan.

Commissioners Anderson, Johnson, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioner Hemmer voted nay. The motion carried.

2021 WATER DEVELOPMENT PLAN

Pat Fridgen provided a final draft of the 2021 Water Development Plan (Plan). The SWC is required to provide the Plan on a biennial basis and prepared the Plan for the 2021-2023 biennium. Pat thanked SWC staff, Commissioners, and project sponsors for their contributions to the Plan.

A first draft of the Plan was sent to Commissioners in October and the final draft was presented in November for additional review. Based on discussion at the November meeting, revisions were made to the Plan as requested.

Pat also discussed the new platform being developed, "The Water Development Dashboard." This platform will be used to update relevant sections of the Plan throughout the biennium with real time information. This platform may also present options for future digital formats of the Plan.

Commissioner Johnson asked what level of cost-share would make future budget requests sustainable based on future needs for infrastructure projects in the state. Pat stated that if the largest three state-funded projects were removed from the overall 10-year plan, a break-even funding of cost-share would be approximately 50 percent.

Pat requested Commission approval of the Plan to proceed with printing and overall distribution. If additional changes were needed, SWC staff asked that the requested changes be sent no later than December 16.

Lt. Governor Sanford asked if the Plan was required by ND Century Code, and whether the Plan was used by legislative appropriations to develop the overall Commission budget line items and appropriation bill during Session. Pat stated that was correct. The Plan is a comprehensive overview of what the infrastructure needs are throughout the state for water development.

Lt. Governor Sanford stated that alternative means of funding need to be discussed and identified in order to fund future water development projects. Governor Burgum also stated that possible development of gap financing through bonding during low interest rates, would be very beneficial to the state. Governor Burgum and Lt. Governor Sanford would like to see the Revolving Loan Fund be a permanent option for future funding of water infrastructure projects.

The following motion was made:

It was moved by Commissioner Anderson and seconded by Commissioner Schneider the Commission approve the 2021 Water Development Plan, including recommendations for the 2021-2023 biennium, with any minor changes received before final printing.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. The motion carried.

FOUR-YEAR PROGRESS REPORTS

Julie Prescott, Cost-Share Program Manager, presented project sponsors' four-year progress reports. NDCC 61-02-14.3 requires project sponsors to provide a progress report to the Commission at least every four years if the term of the project exceeds four years.

A request for a progress report was sent to project sponsors identifying the following three options:

1. De-obligate the funds back to the SWC.
2. Submit final project expenses for reimbursement.
3. Appear before the Commission to provide a progress report.

A summary of the projects with four-year progress reports is attached as **APPENDIX C**. The summary lists projects requiring review by the Commission and lists completed carryover projects with the de-obligated funding. A condition on carryover funds is that they may be used only for project carryover, based on Section 7 of Senate Bill 2020.

The following projects were discussed:

FUNDING EXTENSIONS:

- Sheyenne River Valley Flood Control Project (Lisbon)
- Lynchburg Channel Improvements (Maple River Water Resource District)
- Sargent County Drain No. 11 Channel Improvements (Sargent County Water Resource District)

COMPLETED/DE-OBLIGATION OF FUNDS:

- Grafton Flood Control Project (Grafton)
- Granville-Deering Area (North Prairie Regional Water District)
- Valley City Phase II Construction (Valley City)
- Sheyenne River Valley Flood Control Project Phase II (Valley City)

Tim Meyer, Mayor, City of Lisbon, provided a brief history of the project and request for extension related to the Sheyenne River Valley Flood Control project.

Roger Olson, Chairman, Maple River Water Resource District, provided a brief history of the project and request for extension related to the Lynchburg Channel Improvements project.

Governor Burgum asked for clarification on whether or not the Commission was to provide a vote on the requested extensions. John Paczkowski, Interim State Engineer, stated that recommendations were made to grant the requests for extension, and that a vote was required.

Governor Burgum asked if updated material was provided for the Sargent County Drain No. 11 Channel Improvements. John stated a map of the project showing the original location of Drain No. 11 was provided. The drain has been in existence since approximately 1917. The map also reflects the area that was permitted for reconstruction work. The reconstruction work was not completed due to a lawsuit brought against the Sargent County Water Resource District (District) by adjoining landowners. The lawsuit went to the Supreme Court and the ruling was in favor of the District. The District is now asking for an extension to begin reconstruction.

Governor Burgum requested Commissioner Anderson provide an update on his involvement with the Sargent County Drain No. 11 project and the current concerns with the reconstruction project. Commissioner Anderson provided an overview of the concerns of landowners related to possible downstream impacts of the project. Commissioner Anderson stated the goal was to

promote the completion of the project while considering current and continued opposition to the project. Currently, the only county of four counties in the contributing watershed and being assessed is Sargent County. Commissioner Anderson asked Jennifer Verleger, General Counsel, Attorney General's Office, if there was a function or remedy for a county water resource district to include, on a basin-level or watershed level, or other water in an assessment area. If so, what are the enforcement opportunities if counties refuse to pay and are there any contingencies related to that.

Jennifer stated this is not an area that the Commission is involved with, and suggested Sean Fredricks, General Counsel for the District, provide additional information on the issue. Jennifer stated that the Commission would need to look at if the drain project is involved in any specific circumstance, and that is the area that will be assessed. If the area goes across county or watershed boundaries, there is a mechanism in the law to determine the outcome. Jennifer also agreed that state statute indicates the assessment area can go beyond state lines if the watershed is deemed to be a drained area.

Commissioner Goehring stated his concerns related to the Commission's authority to put stipulations on local issues or if state statute determines how water districts assess drain areas. Jennifer stated that in this particular situation related to the extension of funds for this project, the funds for this project have already been approved, and we have been asked to reauthorize funds because litigation is now resolved. Jennifer stated reauthorization of funds was acceptable, and funds were not expended during the litigation process. As far as the actual drainage assessment statute, that is not in the purview of the Commission, but in the purview of the water districts. Jennifer stated the drainage assessment may be addressed in the coming Session through proposed legislation. Jennifer again reiterated that this was a request to reauthorize funds previously approved by the Commission, and that adding conditions to the request may be out of the Commission's authority.

Commissioner Anderson again stated his concern on how the project was constituted by the District determining it was a resolution of necessity rather than having the project approval brought to vote by its citizens. Commissioner Anderson also stated his concern that maintenance funds would be used for this project and this project is an improvement in a reconstruction project. Commissioner Anderson stated the Commission is not authorized to provide funds for maintenance projects. Commissioner Anderson's recommendation was to preserve the Commission's commitment to the project through funding, but also have the District reconstitute areas that need to be addressed.

Governor Burgum agreed that this may fall under the Commission's purview and asked if the project did involve maintenance versus improvements. Jennifer clarified that at the October meeting, it was discussed how the Attorney General's opinion may have changed things going forward related to funding assessment drain maintenance. Jennifer suggested the Commission reconfirm its commitment to projects that have already been approved based on the fact that they were approved prior to the Attorney General's opinion.

Governor Burgum asked if the Commission were to reconfirm a project prior to the Attorney General's opinion, but there were additional concerns related to a particular project, how would the Commission determine a path forward. John Paczkowski stated that the Sargent County project was fully permitted and was put on hold due to the litigation. The project has met all criteria for moving forward, and it is rare that there is 100 percent agreement for this type of project. John suggested the Commission reaffirm the project as it had been approved in the past in order to move the project forward.

Commissioner Anderson again reiterated his concerns related to the project being constituted by being made a resolution of necessity, and stated that in the Attorney General's opinion there is reference to maintenance projects can be completed in phases as long as the vote does not obligate the District for costs beyond the maximum maintenance levy. Commissioner Anderson asked if this project commits future funds beyond the maximum maintenance levy. There are also concerns on where the drain ends, and five miles of natural drain into to the river that needs to be addressed.

Sean Fredricks provided additional information related to the litigation involved with this project, and stated the subject of the litigation was the project being moved forward by the District via a resolution versus a vote. The case ultimately went to the ND Supreme Court. Water resource districts have used annual levy funds for decades to complete these types of projects for purposes of constructing reconstruction or improvement projects. The statute does call it a maintenance levy, but the project is a reconstruction and improvement project. The drain is over 100 years old and circumstances change. The ND Department of Transportation installed large culverts upstream that the District felt needed to be addressed in terms of accommodating drainage. The vast majority of landowners in the area of the watershed support the project. The District appreciates objections by landowners and will continue to work with them. Sean reiterated that water resource districts routinely utilize their annual maintenance funds for purposes of funding and financing projects. The District is not exceeding the six-year maximum, the permitting has been approved, and downstream impacts have been addressed.

Commissioner Anderson stated his additional concerns regarding downstream impacts having been addressed, and concerns with additional flooding of some areas. Commissioner Hemmer has similar concerns with this project related to funding. Commissioner Hemmer stated four-year progress reports are necessary in order to review them with current aspects of the day.

Commissioner Hemmer suggested the Commission put language in the motion to reflect additional requests and issues related to this project, but that this is not known at this time. Commissioner Hemmer suggested the District's request be tabled until the February 2021 Commission meeting for further review.

Commissioner Goehring asked for clarification of the project as it related to the litigation of this case. Since the matter has been resolved through the court system, Commissioner Goehring questioned the Commission's authority to deny the request and disregard the rule of law.

Governor Burgum stated NDCC 61-02-14.3 was intended to review projects at four years, and was intended to create this type of review and discussion. Governor Burgum stated if the request was tabled, no violations would be made.

Chris Gross, Barr Engineering, stated that the District has started the process of obtaining purchase agreements with landowners, and some of the transactions have already been closed.

John clarified that if the project went into the 2021-2023 biennium, funding would be available, and Chris was asked to provide additional information at the February Commission meeting. Commissioner Anderson was asked to work with SWC staff and citizens to provide additional information.

The following motion was made:

It was moved by Commissioner Hemmer and seconded by Commissioner Owan the Commission table the request of the District to extend their current

agreement and extension of funds be tabled and reviewed at the February 2021 Commission meeting.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, and Governor Burgum voted aye. Commissioners Goehring and Zimmerman voted nay. The motion carried.

After further discussion regarding the Sheyenne River Valley Flood Control project (Lisbon), Lynchburg Channel Improvements (Maple River Water Resource District) project, Granville-Deering (North Prairie Regional Water District), and Valley City Phase II Construction, the following motion was made:

It was moved by Commissioner Hemmer and seconded by Commissioner Johnson the Commission approve the request from the Maple River Water Resource District and the City of Lisbon, to extend current funding agreements based on the project sponsors continuing to make progress in 2020-2021.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. The motion carried.

STATE COST-SHARE REQUESTS

FLOOD CONTROL AND GENERAL WATER PROJECTS:

ENDERLIN PARK BOARD: MAPLE RIVER BANK STABILIZATION - \$132,500 (SWC Project No. 2152)

The Enderlin Park Board requested cost-share for its Maple River Bank Stabilization project. The purpose of the project is to stabilize the west bank of the Maple River adjacent to Patrick Pierce Park in order to prevent further erosion that impacts the park.

The project includes engineering and construction costs, and will be bid upon Commission funding approval. Construction is anticipated to begin winter 2020, and is expected to be completed by spring 2021. The economic analysis for this project has returned a benefit-to-cost ratio of 1.155.

The total cost of this project is \$265,000, all of which is eligible for cost-share as a water conveyance bank stabilization project. The project meets the requirements of the Commission's cost-share policy, and the recommendation was to provide cost-share of \$132,500, which is 50 percent of eligible costs.

The following motion was made:

It was moved by Commission Goehring and seconded by Commissioner Pedersen the Commission approve the request by the Enderlin Park Board for \$132,500 at 50 percent of eligible costs. This approval is contingent on available funding.

Commissioners Anderson, Hemmer, Johnson, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioner Owan voted nay. The motion carried.

**GRAND FORKS-TRAILL JOINT WATER RESOURCE DISTRICT: GRAND FORKS-TRAILL DRAIN NO. 59 - \$2,783,837
(SWC Project No. 2135)**

The Grand Forks-Traill Joint Water Resource District (District) requested cost-share for its Grand Forks County Legal Drain No. 59 project. The purpose of the project is to construct a new assessment drain to facilitate agricultural drainage.

An assessment district for the project has been formed, a drain permit has been approved for the project, and the project sponsor has indicated that all right-of-way for drain construction has been acquired.

The project includes engineering and construction costs, and will be bid upon Commission funding approval. Construction is anticipated to begin spring 2021, and is expected to be completed by fall 2022. An economic analysis completed for the project has returned a benefit-to-cost ratio of 2.327.

The total cost of this project is \$7,129,904, of which \$6,186,304 is eligible for cost-share as a water conveyance rural flood control project. The project meets the requirements of the Commission's cost-share policy, and the recommendation was to approve cost-share of \$2,783,837, which is 45 percent of eligible costs.

Commissioner Anderson inquired if all litigation was concluded and whether all assessment areas of the project with drainage issues would be addressed. Commissioner Anderson also asked for clarification of the final vote to proceed with the project.

Richard Axvig, District Chairman, and Gerald Pribula, Pribula Engineering, Inc., stated that litigation was resolved and all areas in the assessment area with drainage issues would be addressed, and assessments are fairly distributed throughout the region. The final vote was a weighted vote of 56.4 percent in favor.

Commissioner Johnson asked why the contingency for this project seemed relatively high at \$485,000. John Paczkowski stated that the contingency was set at 7 percent of the total project cost and was within the norm for large projects.

Commissioner Owan requested that it be recorded that his no vote(s) for the cost-share requests were made because he felt the projects were not a priority at this time because of financial hardship, but that the projects were of merit.

The following motion was made:

It was moved by Commission Goehring and seconded by Commissioner Johnson the Commission approve the request by the Grand Forks-Traill Joint Water Resource District for \$2,783,837 at 45 percent of eligible costs. This approval is contingent on available funding.

Commissioners Anderson, Hemmer, Johnson, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioner Owan voted nay. The motion carried.

**SOUTHEAST CASS WATER RESOURCE DISTRICT: 2020-2021 WILD RICE RIVER
SNAGGING AND CLEARING - \$18,120
(SWC Project No. 1868)**

The Southeast Cass Water Resource District (District) requested cost-share for the 2020-2021 Wild Rice River Snagging and Clearing project. The project will include removal and disposal of fallen trees, accumulated debris, and trees in imminent danger of falling into the river, and is intended to prevent damage to roads, bridges, and hydraulic structures along the Wild Rice River.

The project includes engineering and construction costs, and will be bid upon Commission funding approval. The results of the economic analysis (EA) for this project yielded a benefit-to-cost ratio of 0.151. The total project cost estimate is \$240,000. The District requested 50 percent cost-share as a water conveyance snagging and clearing project. The total eligible cost is \$240,000, which totals \$120,000 in potential cost-share from the Commission. Since the EA resulted in a benefit-to-cost ratio of 0.151, the recommendation was a reduced cost-share of 7.55 percent of eligible costs, or \$18,120 in state funding. The project meets the requirements of the Commission's cost-share policy, and the recommendation was to approve the request for \$18,120 at 7.55 percent of eligible costs.

Commissioner Anderson asked if the snagging and clearing was going to be a yearly cost-share request. Keith Weston, Manager, Southeast Cass Water Resource District, stated that snagging and clearing projects are completed annually as preventative measures to alleviate issues along the Red River Valley.

Governor Burgum requested SWC staff include the number of bridges to the maps for the snagging and clearing projects.

Kurt Lynse, Moore Engineering, Inc., suggested the EA needed to have a damage curve added as a component for the snag and clear projects.

Commissioner Johnson asked if SWC staff would view the sites of proposed snagging and clearing projects. John Paczkowski stated that SWC staff does not visit the sites because the locations are remote, and the actual work is usually completed during the winter months. The need for the project is determined by the project sponsor.

Commissioner Anderson suggested that these types of projects be presented as bank stabilization projects in the future to alleviate the need for annual and continued need for snagging and clearing projects.

Commissioner Hemmer asked Dr. Duane Pool, SWC Resource Economist, for clarification on the EA when determining the return for investment. Commissioner Hemmer stated projects that do not receive at least 1:1 return on investment should not be eligible for cost-share. Commissioner Hemmer asked if there was something that was not captured in this EA as it applied to snagging and clearing projects and that the model may need to be adjusted.

Dr. Pool stated that the model currently looks at future annualized clean-up costs mitigated by a single action of snagging and clearing. One item not in the current model is a direct damage function for bridges due to a lack of historic damages caused by snags and the proportion of those damages attributable to snag accumulation. The SWC is consistent with surrounding states utilizing the benefit-to-cost ratio model, and the overall economics do not bode well for these types of projects. Keith Weston agreed that additional work needs to be done on the EA model to better develop the EA criteria for snagging and clearing projects. Governor Burgum requested further development of the EA and review of SWC policy related to snagging and clearing projects.

The following motion was made:

It was moved by Commission Goehring and seconded by Commissioner Pedersen the Commission approve the request by the Southeast Cass Water Resource District for \$18,120 at 7.55 percent of eligible costs. This approval is contingent on available funding.

Commissioners Anderson, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioners Hemmer, Johnson, and Owan voted nay. The motion carried.

**SOUTHEAST CASS WATER RESOURCE DISTRICT: 2020-2021 SHEYENNE RIVER
SNAGGING AND CLEARING - \$52,332
(SWC Project No. 2095)**

The Southeast Cass Water Resource District (District) requested cost-share for the 2020-2021 Sheyenne River Snagging and Clearing project. The project will include removal and disposal of fallen trees, accumulated debris, and trees in imminent danger of falling into the river, and is intended to prevent damage to roads, bridges, and hydraulic structures along the Sheyenne River.

The project includes engineering and construction costs, and will be bid upon Commission funding approval. The results of the economic analysis for this project yielded a benefit-to-cost ratio of 0.178. The total project cost estimate is \$588,000. The District requested 50 percent cost-share as a flood control project. The total eligible cost is \$588,000, which totals \$294,000 in potential cost-share from the Commission. The project meets the requirements of the Commission's cost-share policy, and the recommendation was to approve the request for \$52,332 at 8.9 percent of eligible costs, which was adjusted to reflect the benefit-to-cost ratio of 0.178.

The following motion was made:

It was moved by Commission Goehring and seconded by Commissioner Zimmerman the Commission approve the request by the Southeast Cass Water Resource District for \$52,332 at 8.9 percent of eligible costs. This approval is contingent on available funding.

Commissioners Anderson, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioners Hemmer, Johnson, and Owan voted nay. The motion carried.

GOLDEN VALLEY WATER RESOURCE DISTRICT: ODLAND DAM REHABILITATION - \$306,000; \$204,000 (LOAN) (SWC Project No. 0394)

The Golden Valley Water Resource District (District) requested cost-share for the Odland Dam Rehabilitation project. The purpose of the project is to replace the deteriorating weir that serves as the principal spillway, repair low areas on the dam embankment, and raise the emergency secondary spillway in order to address safety concerns and to maintain the impoundment for recreation.

The project was bid in September 2020, and the low bid received in the amount of \$1,500,000 exceeds the construction engineering and construction cost estimate of \$990,000 by \$510,000. The Commission previously approved \$595,800 in cost-share funds and a request for a low interest loan in the amount of \$146,000 toward construction engineering and construction costs in 2020.

The District requested 60 percent cost-share of the additional \$510,000 in construction engineering and construction costs as a dam repair project, all of which is eligible for cost-share in the amount of \$306,000, and requested approval of a low interest loan in the amount of \$204,000 to cover the remainder of the cost increase. This project meets the requirements of the Commission's cost-share policy, and the recommendation was to approve the requests for cost-share of \$306,000 and an additional loan in the amount of \$204,000.

Commissioner Anderson asked if the safety and recreational components were addressed, and categorized as maintenance for rehabilitation if needed. Pat Fridgen stated that this was discussed by the Commission in great detail in the past. SWC policy was changed to reflect 60 percent cost-share available for dam rehabilitation or safety related issues. This alleviates the need to discuss for each dam project the percentage of each factor being recreation, rehabilitation, or safety factors.

The following motion was made:

It was moved by Commission Pedersen and seconded by Commissioner Schneider the Commission approve the request by the Golden Valley Water Resource District for \$306,000 at 60 percent of eligible costs, and approve the request for a 30-year loan from the Infrastructure Revolving Loan Fund, administered by the Bank of North Dakota, at a 2 percent interest rate in the amount of \$204,000. This approval is contingent on available funding.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. The motion carried.

WATER SUPPLY PROJECTS:

Jeffrey Mattern, SWC Engineer Manager, stated the city of Valley City sent a letter to SWC staff thanking staff and the Commission for their assistance and support related to the membrane replacement project.

**GARRISON DIVERSION CONSERVANCY DISTRICT (GDCD): RED RIVER VALLEY
WATER SUPPLY PROJECT (RRVWSP) - \$9,250,000
(SWC Project No. 325)**

The GDCD requested an additional \$9,520,000 cost-share for early-out construction of the RRVWSP. The GDCD requested \$16,400,000 cost-share in October 2020 and was approved for \$6,880,000 for the highest priority project elements. The current request is for cost-share toward the remaining cost of early-out construction.

The Commission's 2019-2021 appropriation bill, SB2020, provided, in the form of a grant, up to \$13,000,000 to initiate construction of phase one prioritized project features and in legislative intent to provide no more than \$30,000,000 during the 2019-2021 and 2021-2023 biennia, and at 75 percent cost-share.

Also, SB 2020 established requirements for any construction funding received for the RRVWSP, to initiate construction of phase one prioritized project features, be spent and construction begin only after the budget section receives and approves certification from the Commission that requirements were met. The GDCD received certification from the Commission in September 2020 and the Interim Legislative Budget Section approved the certification of requirements in September 2020.

In November 2020, the GDCD reviewed Missouri River Intake construction bids in the amount of \$4,989,405. The updated total cost is \$5,908,347 or \$1,878,347 over the previous estimate of \$4,030,000. The GDCD received 90 percent cost-share of \$3,627,000 in October 2020, and the current request is for an additional 90 percent cost-share of \$1,690,500.

Also, the GDCD requested 90 percent cost-share of \$5,559,500 for early-out construction for Contract 5A. These two amounts, along with the \$5,750,000 approved in October for the early-out construction (\$3,627,000) and design costs (\$2,123,000), allocate the balance of the \$13,000,000 in SB 2020 legislative intent.

The GDCD requested 75 percent cost-share of \$807,500, toward the remaining Contract 5A project, \$1,462,500 for Sheyenne River Outfall Discharge Structure, and site development. These two amounts, along with the \$1,130,000 approved in October for the intake early-out design costs, allocated \$3,400,000 of the \$30,000,000 in SB 2020 legislative intent.

Duane DeKrey, Manager, GDCD, requested additional funding for geotechnical services costs of \$610,000 for the Missouri River intake, crib, and tunnel project. John Paczkowski stated the costs were completed prior to Commission approval, and based on Commission policy were ineligible for cost-share.

The recommendation was to 1) approve the additional \$7,250,000 cost-share, at 90 percent of eligible costs, with total cost-share of \$13,000,000 for construction of phase one prioritized project features as authorized SB 2020, and 2) approve the additional \$2,270,000 cost-share at 75 percent of eligible costs, with total cost-share of \$3,400,000 of the \$30,000,000 in legislative intent included in SB 2020, for total additional cost-share of \$9,520,000.

The following motion was made:

It was moved by Commission Hemmer and seconded by Commissioner Owan the Commission approve 1) the additional \$7,250,000 cost-share, at 90

percent of eligible costs, with total cost-share of \$13,000,000 for construction of phase one prioritized project features as authorized in SB 2020, and 2) approve the additional \$2,270,000 cost-share at 75 percent of eligible costs, with total cost-share of \$3,400,000 of the \$30,000,000 in legislative intent included SB 2020, totaling an additional \$9,520,000 for the RRWSP. The approval is contingent on available funding for the 2019-2021 biennium.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. The motion carried.

**LARIMORE: WATER SYSTEM REPLACEMENT - \$1,424,500
(SWC Project No. 2050LAR)**

Larimore requested additional cost-share for the replacement of its water distribution system, including watermain, fire hydrants, and user connections. The water distribution project is one component of the city-wide infrastructure replacement project to replace water, sewer, and stormwater lines. In February 2020, Larimore received 60 percent cost-share in the amount of \$2,617,000 based on an estimated total water system project cost of \$4,500,000.

In August 2020, the Commission deferred approval of the request until the financial plan was in place and now includes a USDA Rural Development loan for 40 years at 1.875 percent. Through the loan application process, the original 2017 cost estimates and indexed costs to 2021 were reevaluated and increased the overall costs from \$20,740,000 to \$23,500,000. Larimore was not able to secure grant funding to cover street restoration costs requiring those street costs to be proportionally spread across the sanitary sewer, storm water, and watermain components. This resulted in an increase of the total watermain cost by \$2,235,880 to \$6,735,880.

The life cycle cost analysis considered two alternatives. The “do nothing” alternative is insufficient and will not address the water loss or water quality problems. The alternative to replace all deficient infrastructure will cost \$7,640,000, which is \$5,473,000 more than the “do nothing” alternative of \$2,167,000. Construction will be bid in January 2021 and completion in fall 2023. The estimated total eligible costs is \$6,735,880, and with a cost-share of 60 percent, or \$4,041,500, requires an additional \$1,424,500 beyond the \$2,617,000 Larimore received in February 2020.

The project is in the 2019 Water Development Plan and meets requirements of the Water Commission’s cost-share policy for municipal water supply projects. The recommendation was to approve the additional request in the amount of \$1,424,500.

After discussion, the following motion was made:

It was moved by Commissioner Goehring and seconded by Commissioner Pedersen the Commission approve the request of Larimore for state cost-share participation at 60 percent of eligible costs an additional \$1,424,500 cost-share, with the total amount not to exceed \$4,041,500. The approval is contingent on available funding for the 2019-2021 biennium.

Commissioners Anderson, Hemmer, Johnson, Pedersen, Schneider, Zimmerman, Goehring, and Governor Burgum voted aye. Commissioner Owan voted nay. The motion carried.

**LAKOTA: WATER TRANSMISSION LINE REPLACEMENT - \$618,000
(SWC Project No. 2050LAK)**

Lakota requested cost-share for replacement of a water transmission line. The life cycle cost analysis considered four alternatives, and chose alternative three which will maintain the connection to the water treatment plant and storage. The eligible cost is \$1,030,000, with 60 percent cost-share of \$618,000. The local share would be from the Drinking Water State Revolving Loan Fund.

The project was not in the 2019 Water Development Plan but meets requirements of the Commission's cost-share policy for municipal water supply projects. The recommendation was to approve the request at 60 percent state cost-share.

After discussion, the following motion was made:

It was moved by Commissioner Owan and seconded by Commissioner Hemmer the Commission approve the request of Lakota for state cost-share participation at 60 percent of eligible costs not to exceed \$618,000. The approval is contingent on available funding for the 2019-2021 biennium.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Lt. Governor Sanford voted aye. There were no nay votes. The motion carried.

NORTHWEST AREA WATER SUPPLY (NAWS)

AMENDMENT NO. 2 FOR NAWS ENGINEERING SERVICES CONTRACT:

Tim Freije, NAWS Project Manager, presented a request to approve Amendment 2 of the NAWS Engineering Services contract, **APPENDIX D**. The amendment would extend the termination date from December 31, 2019, through December 31, 2029. The extension would allow orderly and continuous progress on the NAWS project.

After discussion, the following motion was made:

It was moved by Commissioner Zimmerman and seconded by Commissioner Anderson the Commission approve the extension of the Engineering Service Contract through December 31, 2029, unless extended by agreement of all parties or terminated in accordance with Article 4.2.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, Goehring, and Lt. Governor Sanford voted aye. There were no nay votes. The motion carried.

AWARD OF CONTRACT 2-4C:

Tim Freije presented a request to award NAWS Contract 2-4C to BEK Consulting, LLC, in the amount of \$4,503,071.

After discussion, the following motion was made:

It was moved by Commissioner Hemmer and seconded by Commissioner Owan the Commission approve the award of Contract 2-4C to BEK Consulting, LLC, in the amount of \$4,503,071, utilizing 65 percent of Municipal, Rural, and Industrial Water Supply Program funds available at the end of the biennium.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, and Lt. Governor Sanford voted aye. There were no nay votes. Commissioner Goehring was absent for the vote. The motion carried.

RUGBY'S REPLACEMENT AND EXTRAORDINARY MAINTENANCE REQUEST:

The SWC collects and maintains a reserve fund for Replacement and Extraordinary Maintenance (REM) from water sales revenues from NAWS. Funds are collected on all NAWS contracts including all users served throughout the service area. The account has only been used twice. Rugby requested reimbursement for repairs and replacements of its Ruby Water Treatment Facility in the past, which was expanded and updated in Phase I of the NAWS project. The previous reimbursements were limited to the amount of REM funds paid by Rugby.

Rugby requested reimbursement for repairs to the pipeline delivering well water from the wellfield to the water treatment facility. The total expenditures were \$171,758.50. To date, Rugby contributed \$88,602.60 to the REM account.

The following motion was made:

It was moved by Commissioner Hemmer and seconded by Commissioner Zimmerman, the Commission approve Rugby's request as a REM expense and authorize reimbursement of \$88,602.60.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, and Lt. Governor Sanford voted aye. There were no nay votes. Commissioner Goehring was absent for the vote. The motion carried.

SOUTHWEST PIPELINE PROJECT (SWPP)

CAPITAL REPAYMENT AND REPLACEMENT AND EXTRAORDINARY MAINTENANCE RATES (REM) FOR 2021:

Sindhuja S.Pillai-Grinolds, Project Manager, SWPP, presented Southwest Water Authority's (SWA) water rates and budget for 2021, and requested the Commission establish the 2021 Capital Repayment and REM rates (**APPENDIX E**).

Commissioner Hemmer asked for clarification regarding the recommendation with no increase for REM rate and the request for funding related to the metallic pipeline replacement in the next agenda item. The request is to use funds from the REM fund or funding from SWC. Commissioner Hemmer stated that the metallic pipeline replacement would be many miles, and that the REM rate may need to change significantly to address the costs of replacement pipe. Sindhuja stated the agreement that transferred the operations and maintenance of SWPP to SWA does not state how much the REM rate should be, but that the REM fund needs to be maintained. SWA charges approximately 12.5 percent of user rates for the REM fund. If all

replacements are expected to be paid from the REM fund, the REM rate would need to be significantly higher. Currently, there is no policy that states the REM fund should cover a certain percentage of total cost for SWPP projects. The SWA has consistently placed money in the REM fund, and based on current projections, \$22M will be available in the fund by end of 2021.

Commissioner Hemmer stated the Commission needs to look at the SWPP as more of a rural and regional system. This would allow the Commission to determine what would be funded as state cost-share. Commissioner Hemmer stated the Commission needs to be cognizant that the SWA may have to raise the REM rate to ensure adequate funding, or the Commission may need to look at the cost-share policy for the replacement items. This needs to be discussed in the near future.

Commissioner Schneider stated that with \$22M REM funds available, and the size of the pipeline replacement project, the REM funds may not cover these expenses. The SWA is also paying Capital Repayment to the RTF. Increasing the REM rate even more needs to be discussed, as it is already at 12.5 percent, and is a concern of users in the area.

Commissioner Anderson asked how the failure of this particular pipe was any different than any other systems experience related to operating and maintenance expenses of this nature. Commissioner Anderson stated that the Commission has considered significant cost-share for replacement of pipelines, while other systems have managed the costs, and it is reflected in their water user rates. Commissioner Anderson feels the Commission needs to address these issues the same across the board, and this is not an isolated case.

Lt. Governor Sanford asked the Commission to make a motion and vote on the current agenda item and discuss the pipeline replacement next.

Commissioner Hemmer stated there were two options for consideration of the next request for approval: utilize REM funds or state funds. Commissioner Hemmer stated that this is one request of many that SWA will be making in order to replace metallic pipeline throughout the system, and the SWA was concerned the REM fund would be depleted with this type of project. Commissioner Hemmer stated it was concerning that SWA has the potential for significant use of the REM fund and would not make adjustments to the rate. Commissioner Hemmer stated if the current REM fund is approved, their needs to be an additional REM rate adjustment in the future to cover the extensive pipeline replacement.

John Paczkowski stated the SWPP is owned by the Commission and it is within the Commission's authority to establish the REM rate. Nothing forbids the Commission to amend the rate now or at some future meeting. If the REM fund cannot fund continued projects, the rate could be increased at a later time.

Lt. Governor Sanford asked if there was consideration of raising the REM rate now because of these concerns and if there was a way to determine a rate adjustment. John Paczkowski stated the current request for REM adjustment was from the SWA, and future pipeline replacement projects would need to be addressed by two possible options outlined in the next request. John recommended approving the current REM rate as requested and fund the pipeline replacement request from the REM fund. The remainder of the pipeline replacement project would be assessed, and funding discussed at a later time.

Commissioner Hemmer agreed with approval of the rates at this time and asked for a study to address additional rate adjustments in the future. Commissioner Hemmer stated that after

additional amounts of funding for pipeline replacement is determined, the Commission needs to discuss additional REM rate adjustments.

Sindhuja stated that the current REM rate amount generates approximately \$2M per year. The estimated cost of the metallic line replacement is \$1.8M, and the magnitude of future metallic pipeline replacement if necessary, would be very costly. Sindhuja stated REM funds would not be sustainable for the continued expense of large pipeline replacement projects. Sindhuja stated an assessment of future pipeline replacement is needed to determine costs and use of available funds.

After further discussion, the following motion was made:

It was moved by Commissioner Johnson and seconded by Commissioner Hemmer the Commission approve the 2021 Capital Repayment and REM rates as follows:

**Capital Repayment for contract and rural customers:
\$1.25 per thousand gallons for contract users; \$30.19 for rural users in Morton County with water service from Missouri West Water System; and, \$38.11 per month for other rural users.**

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

REM Rate: \$0.70 per thousand gallons for the contract users; \$0.80 per thousand gallons for rural users; \$3.00 per thousand gallons for the SWA's Dickinson Water Depot; and, \$4.00 per thousand gallons for other oil industry contracts.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Zimmerman, Goehring, and Lt. Governor Sanford voted aye. Commissioner Schneider abstained. The motion carried.

SWC FUNDING FOR METALLIC LINE REPLACEMENT:

Sindhuja presented SWA's request for project funding for replacement of metallic line failures, **APPENDIX F**. The line failures may not be isolated and future instances are possible. The Commission was given two options to address funding of the metallic line replacement.

The first option is to approve SWPP's project funding for replacement of Contract 2-3A pipeline, and the funding would count towards the total funding allocation for SWPP. The second option, and recommended by SWC staff, is to approve use of REM funds for Contract 2-3A replacement and to complete an assessment of metallic pipelines on the SWPP. Based on the assessment, future funding for line replacements would be considered.

James Odermann, Chairperson, SWA, stated that at the SWA's November meeting, the following were discussed including the concerns of REM rates, funding, and possible future pipeline replacements on a large scale. Even though the SWA may have REM funds available for the 2-3A replacement project, the intent of the SWA is to bring awareness to the Commission related to the sustainability of the REM fund before major funding concerns arise. Chairman Odermann reiterated that the state of North Dakota owns SWPP, and it is important

for the Commission and citizens to be aware of funding concerns. One of the reasons for the funding request is to be proactive, rather than reactive, and to begin the collaborative communication to bring about positive outcomes for all. Chairman Odermann also reiterated that 12.5 percent of the rate structures is applied to the REM fund, which is in addition to operating reserves. Chairman Odermann stated that the SWA can fund the replacement with REM funds at this time, but it was important to determine how to address future funding going forward.

After discussion, the following motion was made:

It was moved by Commissioner Hemmer and seconded by Commissioner Owan the Commission approve the use of REM funds for the 2-3A replacement project and assessment of all metallic pipelines on the SWPP.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, and Lt. Governor Sanford voted aye. The motion carried.

WATER PERMIT OVER 5,000 ACRE-FEET

John Paczkowski presented information on Minnkota Power Cooperative's request for appropriation of water in the amount of 15,000 acre-feet annually from the Missouri River for cooling purposes related to the operation of Project Tundra. The recommendation was to approve the request.

The following motion was made:

It was moved by Commissioner Johnson and seconded by Commissioner Anderson the Commission approve the final issuance of Conditional Water Permit No. 7097.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, and Lt. Governor Sanford voted aye. The motion carried.

WESTERN AREA WATER SUPPLY (WAWS)

Jeffrey Mattern presented a request from SWC staff for the Commission to reaffirm delegation of SWC staff to grant or deny requests from the WAWS on the planning, location, and water supply contracts of any depot, laterals, taps, turnouts, and risers for industrial sales for oil and gas exploration and production.

Beginning August 2013, the Commission was required to approve industrial sales of the water depots and lateral sales. In June 2013, the Commission delegated to the Chief Engineer the authority to either approve or deny these connections and contracts based on a review of the contracts for system capacity at the location, availability of continued supply for domestic use, demonstration that the connection does not impact the finances of the WAWS, and any other factors the Chief Engineer determines relevant. Construction of a new water depot would be brought forward to the Commission for final review and approval.

After discussion, the following motion was made:

It was moved by Commissioner Johnson and seconded by Commissioner Hemmer the Commission reaffirm delegation to the Chief Engineer the authority to grant or deny requests from the WAWS on the planning, location, and water supply contracts of any depot, laterals, taps, turnouts, and risers for industrial sales for oil and gas exploration and production.

Commissioners Anderson, Hemmer, Johnson, Owan, Pedersen, Schneider, Zimmerman, and Lt. Governor Sanford voted aye. The motion carried.

STRATEGIC GOVERNANCE AND FINANCE STUDY (STUDY)

Jon Kelsch, SWC Water Development Director, stated the work group met on December 3. Brent Bogar, Consultant, AE2S, provided an update on the Study. Brent thanked SWC staff for their responsiveness in providing information to AE2S. Task 1 of 7 was well underway, which is gathering the historic information regarding the regional water supply systems, compiling information related to the cost-share policy, as well as other funding model alternatives. Regular meetings have been scheduled with the work group.

LEGAL AND PROJECT UPDATES

There was no discussion related to legal and project updates.

There being no further business to come before the Commission, Lt. Governor Sanford adjourned the December 11, 2020, meeting at 1:13 p.m.



Doug Burgum, Governor
Chairman, State Water Commission

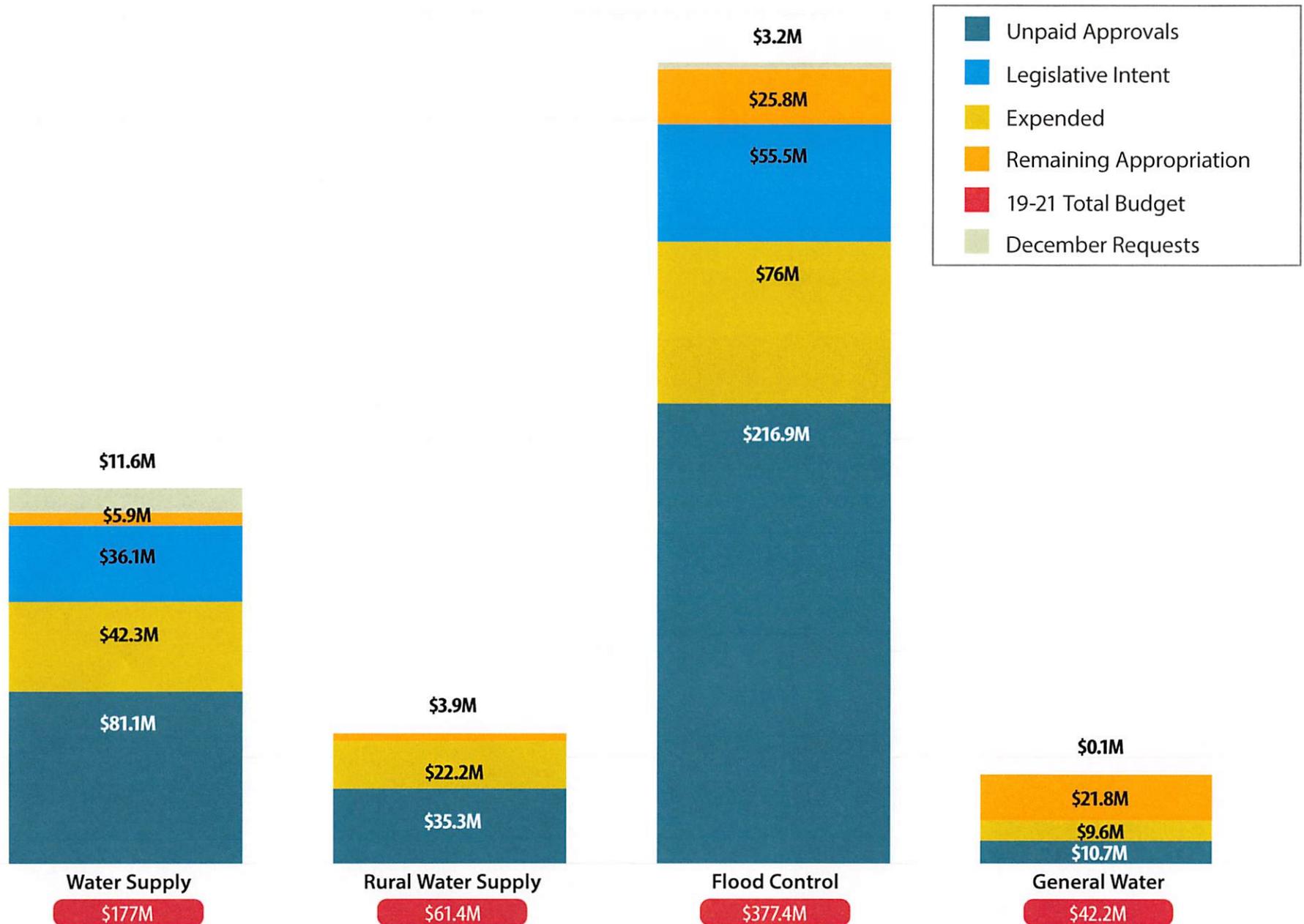


John Paczkowski, P.E.
Interim North Dakota State Engineer,
and Chief Engineer-Secretary
to the State Water Commission

PROJECT FUNDS

APPENDIX A

October 31, 2020



**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 BIENNIUM**

LEGISLATIVE INTENT

October 31, 2020

	2017-2019 CARRYOVER	2019-2021 FUNDING	2019-2021 TOTAL	SWC/SE APPROVED	REMAINING APPROPRIATION
MUNICIPAL & REGIONAL WATER SUPPLY:					
MUNICIPAL WATER SUPPLY	31,126,234	57,843,407	88,969,641	88,969,641	(0)
RED RIVER VALLEY	8,728,394	38,271,606	47,000,000	10,880,000	36,120,000
OTHER REGIONAL WATER SUPPLY	9,228,607	14,479,400	23,708,007	23,708,007	(0)
UNOBLIGATED MUNICIPAL/REG WATER SUPPLY	0	17,405,587	17,405,587		17,405,587
Total	49,083,236	128,000,000	177,083,235	123,557,649	53,525,586
% OBLIGATED		58.18%			
RURAL WATER SUPPLY:					
RURAL WATER SUPPLY	24,177,214	33,303,929	57,481,143	57,481,143	0
UNOBLIGATED RURAL WATER SUPPLY	57,630	3,896,071	3,953,701		3,953,701
Total	24,234,844	37,200,000	61,434,844	57,481,143	3,953,701
% OBLIGATED		89.37%			
FLOOD CONTROL:					
FARGO	105,735,612	66,500,000	172,235,612	149,735,612	22,500,000
MOUSE RIVER	42,969,758	67,400,000	110,369,758	77,369,758	33,000,000
VALLEY CITY	4,816,546	11,610,554	16,427,100	16,427,100	0
LISBON	1,411,117	0	1,411,117	1,411,117	0
OTHER FLOOD CONTROL	16,023,627	1,262,558	17,286,185	17,286,185	(0)
PROPERTY ACQUISITIONS	820,117	15,175,000	15,995,117	15,995,117	(0)
WATER CONVEYANCE	8,655,129	6,262,033	14,917,162	14,917,162	0
UNOBLIGATED FLOOD CONTROL	1,621	28,789,854	28,791,475		28,791,475
Total	180,433,527	197,000,000	377,433,526	293,142,050	84,291,475
% OBLIGATED		57.21%			
GENERAL WATER:					
GENERAL WATER	14,678,360	5,465,038	20,143,399	20,143,399	(0)
UNOBLIGATED GENERAL WATER	447,026	21,628,739	22,075,765		22,075,765
Total	15,125,386.68	27,093,776	42,219,164	20,143,399	22,075,765
% OBLIGATED		18.52%			
CAPITAL ASSETS:					
SWPP CAPITAL ASSETS	15,792,359	2,320,000	18,112,359	18,112,359	(0)
NAWS CAPITAL ASSETS	22,248,857	0	22,248,857	22,248,857	0
UNOBLIGATED SWPP CAPITAL ASSETS	0	0	0		0
Total	38,041,216	2,320,000	40,361,216	40,361,216	0
% OBLIGATED		100.00%			
REVOLVING LOAN FUND:					
GENERAL WATER PROJECTS	0	3,822,600	3,822,600	3,822,600	0
UNOBLIGATED REVOLVING LOAN FUND	0	1,359,012	1,359,012		1,359,012
Total	0	5,181,612	5,181,612	3,822,600	1,359,012
% OBLIGATED		73.77%			
TOTALS	306,918,209	396,795,388	703,713,597	538,508,057	165,205,539

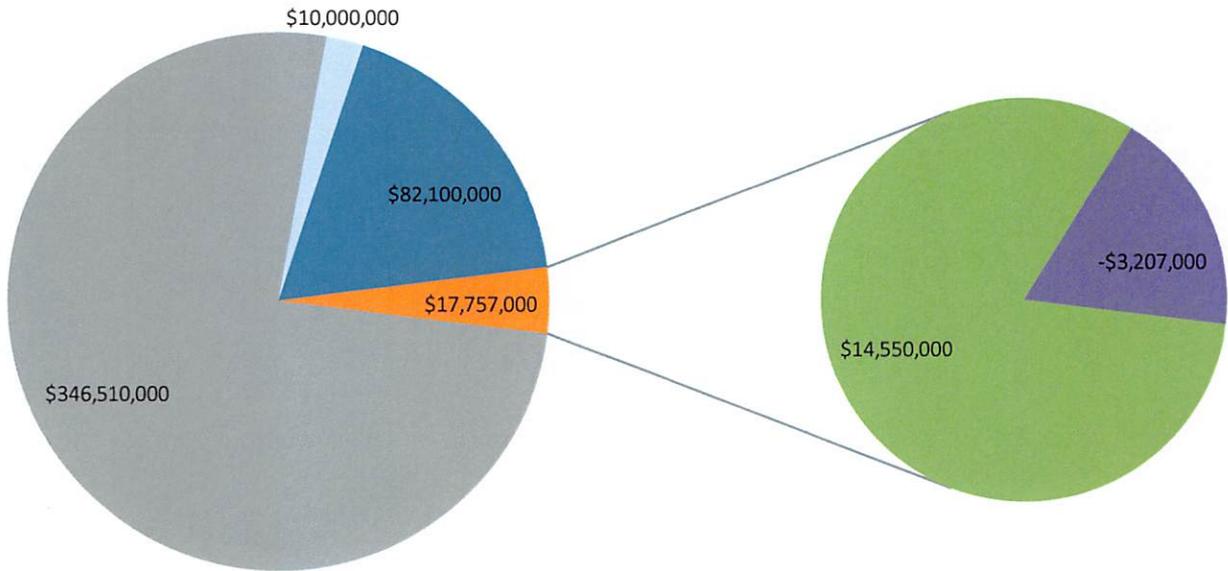
Water Supply, Rural Water, Flood Control, General Water 2019-2021 Appropriation	389,293,777	Resource Trust Fund	361,532,859	Balance 10/31/20
SWC/SE Approved 2019-2021	225,447,248	Future Revenue	82,400,000	8 months
Water Supply, Rural Water, Flood Control, General Water 2019-2021 Appropriation Balance	163,846,529		6,020,000	\$10.3 Million / Month
			449,952,859	Other Revenue
				SWPP, Interest, etc.
				Balance

Pending Feb 2021: Grandin Water Storage \$795,400	UNPAID APPROVALS \$346,510,000	SWC OPERATIONS \$10,000,000	INTENT BALANCE \$82,100,000	DEC REQUESTS \$14,550,000	UNCOMMITTED REVENUES (\$3,207,000)
					\$103,440,000

Cost-Share Funding Status
12/10/20

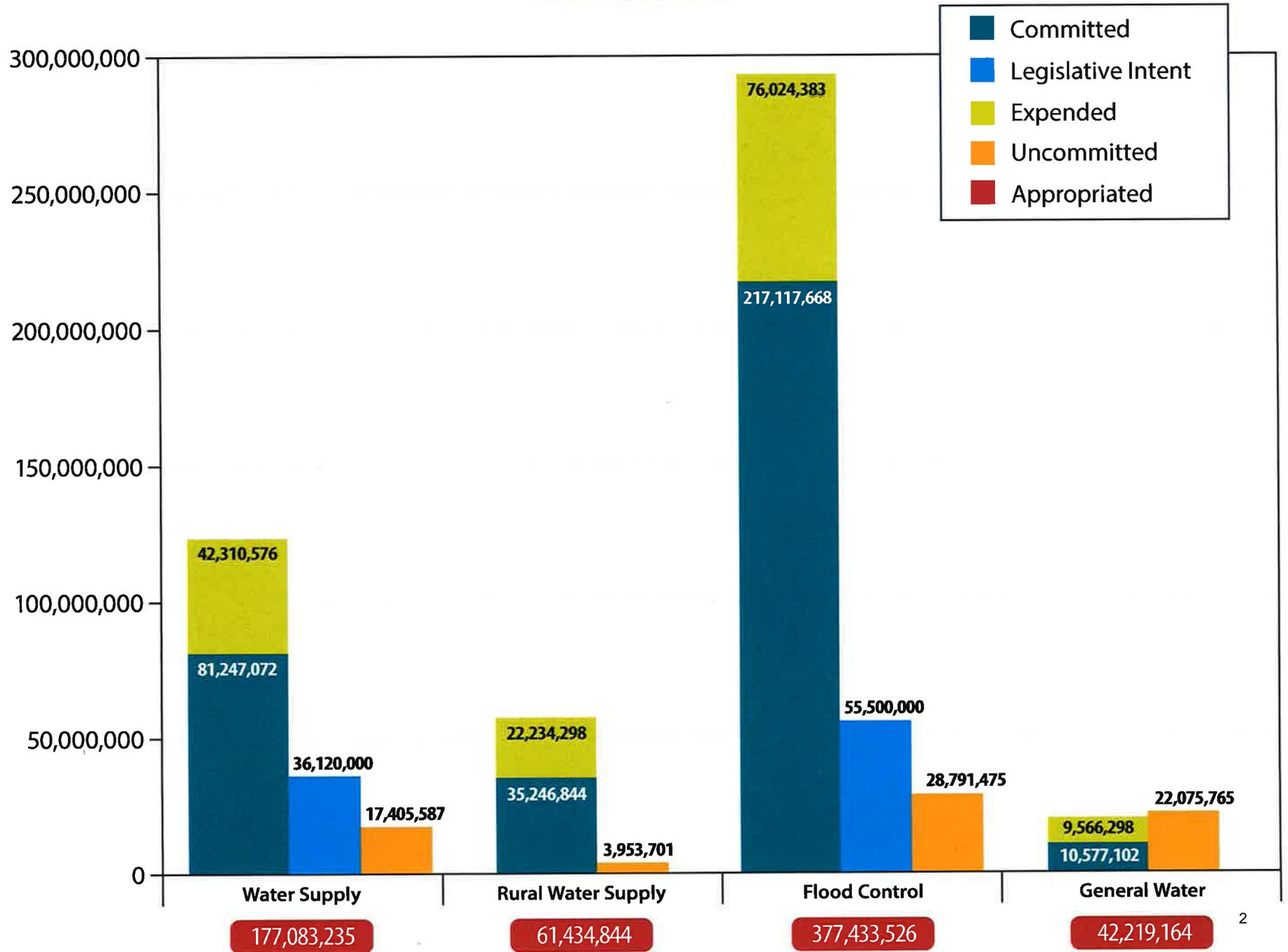
Funding 10/31/2020

Funding 12/11/2020



■ UNPAID APPROVALS ■ SWC OPERATIONS ■ INTENT BALANCE ■ DEC REQUESTS ■ UNCOMMITTED REVENUES

PROJECT FUNDS



**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 BIENNIUM**

Oct-20

	2017-2019 CARRYOVER	2019-2021 FUNDING	2019-2021 BUDGET	SWC/SE APPROVED	REMAINING UNOBLIGATED
MUNICIPAL & REGIONAL WATER SUPPLY:					
MUNICIPAL WATER SUPPLY	31,126,234	57,843,407	88,969,641	88,969,641	(0)
RED RIVER VALLEY	8,728,394	38,271,606	47,000,000	10,880,000	36,120,000
OTHER REGIONAL WATER SUPPLY	9,228,607	14,479,400	23,708,007	23,708,007	(0)
UNOBLIGATED MUNICIPAL/REG WATER SUPPLY	0	17,405,587	17,405,587		17,405,587
Total	49,083,236	128,000,000	177,083,235		53,525,586
% OBLIGATED		58.18%			
RURAL WATER SUPPLY:					
RURAL WATER SUPPLY	24,177,214	33,303,929	57,481,143	57,481,143	0
UNOBLIGATED RURAL WATER SUPPLY	57,630	3,896,071	3,953,701		3,953,701
Total	24,234,844	37,200,000	61,434,844		3,953,701
% OBLIGATED		89.37%			
FLOOD CONTROL:					
FARGO	105,735,612	66,500,000	172,235,612	149,735,612	22,500,000
MOUSE RIVER	42,969,758	67,400,000	110,369,758	77,369,758	33,000,000
VALLEY CITY	4,816,546	11,610,554	16,427,100	16,427,100	0
LISBON	1,411,117	0	1,411,117	1,411,117	0
OTHER FLOOD CONTROL	16,023,627	1,262,558	17,286,185	17,286,185	(0)
PROPERTY ACQUISITIONS	820,117	15,175,000	15,995,117	15,995,117	(0)
WATER CONVEYANCE	8,655,129	6,262,033	14,917,162	14,917,162	0
UNOBLIGATED FLOOD CONTROL	1,621	28,789,854	28,791,475		28,791,475
Total	180,433,527	197,000,000	377,433,526		84,291,475
% OBLIGATED		57.21%			
GENERAL WATER:					
GENERAL WATER	14,678,360	5,465,038	20,143,399	20,143,399	(0)
UNOBLIGATED GENERAL WATER	447,026	21,628,739	22,075,765		22,075,765
Total	15,125,386.68	27,093,776	42,219,164		22,075,765
% OBLIGATED		18.52%			
CAPITAL ASSETS:					
SWPP CAPITAL ASSETS	15,792,359	2,320,000	18,112,359	18,112,359	(0)
NAWS CAPITAL ASSETS	22,248,857	0	22,248,857	22,248,857	0
UNOBLIGATED SWPP CAPITAL ASSETS	0	0	0		0
Total	38,041,216	2,320,000	40,361,216		0
% OBLIGATED		100.00%			
REVOLVING LOAN FUND:					
GENERAL WATER PROJECTS	0	3,822,600	3,822,600	3,822,600	0
UNOBLIGATED REVOLVING LOAN FUND	0	1,359,012	1,359,012		1,359,012
Total	0	5,181,612	5,181,612		1,359,012
% OBLIGATED		73.77%			
TOTALS	306,918,209	396,795,388	703,713,597	538,508,057	165,205,539

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 BIENNIUM**

Oct-20

	SWC/SE APPROVED	EXPENDITURES	REMAINING UNPAID
MUNICIPAL & REGIONAL WATER SUPPLY:			
MUNICIPAL WATER SUPPLY	88,969,641	27,329,271	61,640,370
RED RIVER VALLEY	10,880,000	3,000,000	7,880,000
OTHER REGIONAL WATER SUPPLY	23,708,007	11,981,305	11,726,702
TOTAL	123,557,649	42,310,576	81,247,072
RURAL WATER SUPPLY:			
RURAL WATER SUPPLY	57,481,143	22,234,298	35,246,844
FLOOD CONTROL:			
FARGO	149,735,612	23,686,171	126,049,441
MOUSE RIVER	77,369,758	30,672,148	46,697,610
VALLEY CITY	16,427,100	4,504,617	11,922,483
LISBON	1,411,117	1,032,826	378,291
OTHER FLOOD CONTROL	17,286,185	7,491,876	9,794,309
PROPERTY ACQUISITIONS	15,995,117	3,925,295	12,069,822
WATER CONVEYANCE	14,917,162	4,711,449	10,205,712
TOTAL	293,142,050	76,024,383	217,117,668
GENERAL WATER:			
GENERAL WATER	20,143,399	9,566,298	10,577,102
CAPITAL ASSETS:			
SWPP CAPITAL ASSETS	18,112,359	6,709,164	11,403,195
NAWS CAPITAL ASSETS	22,248,857	6,078,463	16,170,394
TOTAL	40,361,216	12,787,627	27,573,589
REVOLVING LOAN FUND:			
GENERAL WATER PROJECTS	3,822,600	0	3,822,600
WATER SUPPLY	0	0	0
TOTALS	538,508,057	162,923,183	375,584,875

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

WATER SUPPLY

Approved SWC					Approved	Total	Total	Oct-20
By	No	Dept	Sponsor	Project	Date	Approved	Payments	Balance
Municipal Water Supply:								
2050-13	5000			New Raw Water Intake	6/19/19	21,348,205	484,885	20,863,320
2050-15	5000			New Raw Water Intake	10/7/13	1,869,711	16,762	1,872,949
2050-20	5000			Capital Infrastructure	10/6/15	0	0	0
2050-26	5000			Fargo Water System Regionalization Improvements	7/29/15	1,971,266	182,854	1,788,433
2050-29	5000			Water Systems Improvement Project	10/6/15	310,163	310,163	0
2050-30	5000			Water Systems Improvement Project	10/6/15	2,400,000	2,042,514	357,486
2050-32	5000			Water Systems Improvement Project	10/6/15	3,737,500	0	3,737,500
2050-37	5000			Dickinson State Avenue South Water Main	12/11/15	963,920	0	963,920
2050-49	5000			Grand Forks Water Treatment Plant	8/23/17	7,089,371	7,089,371	0
2050-52	5000			Water Transmission Storage	10/11/18	743,477	495,476	248,002
2050-53	5000			Brooks Harbor Water Tower	8/23/17	797,335	0	797,335
2050-54	5000			North Loop Connection	8/23/17	510,000	0	510,000
2050-55	5000			West Loop Connection	8/23/17	1,110,000	0	1,110,000
2050-66	5000			Lincoln Water System Improvement Project	2/8/18	1,415,788	1,017,437	398,351
2050-67	5000			Williston Water System Improvements	2/8/18	2,336,000	1,758,737	577,263
2050-68	5000			Valley City Membrane Replacement Project	2/8/18	0	0	0
2050-69	5000			Sunset Reservoir Water Transmission Line	4/12/18	1,793,479	382,592	1,410,887
2050-75-19	5000			Lockport Water Pump Station	10/8/20	2,955,000	1,035,407	1,919,593
2050-76-19	5000			Water Storage Tank	6/19/19	840,000	840,000	0
2050-84-19	5000			Water Tower Replacement	10/10/19	1,022,500	0	1,022,500
2050-85-19	5000			300,000 Gallon Storage Tank	10/10/19	540,000	119,919	420,081
2050-86-19	5000			SW Water Tower	10/10/19	2,855,000	568,477	2,286,523
2050-87-19	5000			Well Installation and Tower Rehabilitation	10/10/19	265,000	21,000	244,000
2050-88-19	5000			Water Improvement District No. 2019-1	10/10/19	466,000	0	466,000
2050-89-19	5000			9th Street NW Water Main	10/10/19	594,000	0	594,000
2050-90-19	5000			Water Treatment Plant	10/10/19	9,875,000	8,884,440	990,560
2050-94-19	5000			Water Distribution 2019	12/6/19	541,400	0	541,400
2050-95-19	5000			Water Supply Treatment and Transmission Line	2/13/20	3,396,000	0	3,396,000
2050-96-19	5000			2020 Water System Replacement	2/13/20	2,617,000	0	2,617,000
2050-97-19	5000			2020 Water Main Improvement	2/13/20	970,000	798,025	171,975
2050-98-19	5000			Water Tower Replacement	2/13/20	587,000	53,754	533,246
2050-99-19	5000			Water Main Improvement 100/101	2/13/20	350,000	0	350,000
2050-100-19	5000			2020 Water Main Improvements	2/13/20	1,730,000	769,422	960,578
2050-101-19	5000			Downtown Water Tower	2/13/20	2,814,000	0	2,814,000
2050-102-19	5000			Water Tank Replacement	2/13/20	1,268,000	0	1,268,000
2050-103-19	5000			Water Main Looping 2020	2/13/20	134,000	0	134,000
2050-104-19	5000			Water Storage Improvements	2/13/20	1,430,000	0	1,430,000
2050-105-19	5000			42nd Street and 16th Avenue Water Main	2/13/20	1,196,000	197,757	998,243
2050-106-19	5000			Water Tower Storage	4/9/20	1,323,000	0	1,323,000
2050-107-19	5000			North Annaxellon Water Supply	4/9/20	856,400	0	856,400
2050-108-19	5000			Water Treatment Plant Membrane Replacement	4/9/20	867,607	280,282	607,325
2050-115-19	5000			2020 Water Main and Pump Station Project	10/8/20	1,060,500	0	1,060,500
TOTAL MUNICIPAL WATER SUPPLY						88,969,641	27,329,271	61,640,370
Regional Water Supply:								
1973-05	5000			WAWSA Phase IV (moved to Phase V)	10/6/15	3,001,967	3,001,967	0
1973-06	5000			WAWSA Phase V	12/8/17	6,226,640	6,226,640	0
1973-07	5000			WAWSA Phase VI	6/19/19	14,479,400	2,752,698	11,726,702
325-105	5000			RRVWSP Garrison Diversion	8/23/17	4,000,000	3,000,000	1,000,000
325-17-19	5000			RRVWSP Garrison Diversion	10/8/20	6,880,000	0	6,880,000
TOTAL REGIONAL WATER SUPPLY						34,588,007	14,981,305	19,606,702
Rural Water Supply:								
2050-34	5000			Storage and Water Main	10/6/15	1,012,854	751,644	261,210
2050-35	5000			System Wide Expansion	2/13/20	3,473,377	3,044,213	429,164
2050-43	5000			System 4 Connection to System 1	12/11/15	4,900,000	0	4,900,000
2373-39	5000			Carpio Berthold Phase 2	4/1/15	926,882	529,586	397,297
2373-41	5000			Granville-Deering Area	10/24/16	459,137	459,137	0
2050-57	5000			Mountrail Expansion Phase II	8/23/17	3,034,288	0	3,034,288
2050-58	5000			Mountrail Co. Watery Phase III	8/23/17	3,430,000	0	3,430,000
2050-59	5000			Horace Storage Tank	10/11/18	1,336,637	1,283,826	52,811
2050-60	5000			Reservoir 9 Water Supply	6/12/18	398,997	27,620	371,376
2050-61	5000			Surrey/Silver Spring	6/12/18	38,289	3,900	34,389
2050-63	5000			System Expansion Project	4/12/18	667,629	604,458	63,171
2050-64	5000			Turtle Lake Water Tower	8/9/18	846,065	489,566	356,500
2050-65	5000			System Expansion Project	8/9/18	1,316,004	1,227,775	88,228
2050-71	5000			Grand Forks/Trail Project	12/7/18	2,004,028	1,437,058	566,971
2050-72	5000			Phase 6 Pettibone Project	4/12/18	464,606	464,606	(0)
2050-73	5000			Master Plan	10/11/18	55,922	55,922	0
2050-74	5000			Drayton Long-Term Water Supply Feasibility Study	5/8/19	37,500	37,500	0
2050-77-19	5000			2019 Expansion	4/9/20	4,650,000	1,692,470	2,957,530
2050-78-19	5000			2019 Expansion	4/9/20	4,980,000	2,478,858	2,501,142
2050-79-19	5000			Devils Lake Water Supply Phase II	6/19/19	1,197,829	1,197,829	(0)
2050-80-19	5000			Phase 7, including Reule Lake	6/19/19	1,812,000	561,269	1,250,731
2050-81-19	5000			Stutsman RWD	6/19/19	920,000	920,000	0
2050-82-19	5000			North Burleigh Water Treatment Plant	6/19/19	920,000	0	920,000
2050-83-19	5000			North Mandan/Highway 25 and Hamon Lake Area	8/8/19	1,095,000	898,413	196,587
2050-84-19	5000			Phase 5	8/8/19	1,990,000	1,674,601	315,399
2050-85-19	5000			2019 Expansion	4/9/20	2,990,000	1,615,240	1,374,760
2050-91-19	5000			2019 Expansion Phase IV	10/8/20	4,086,000	301,314	3,784,686
2050-92-19	5000			2019 Expansion	10/10/19	1,328,000	477,493	850,507
2050-93-19	5000			Benedict Water Distribution System	8/13/20	67,500	0	67,500
2050-112-19	5000			Minot to Velva Highway 52 Improvement	10/8/20	3,249,000	0	3,249,000
2050-113-19	5000			Drayton Water Supply Project	10/8/20	4,713,600	0	4,713,600
2050-114-19	5000			Walsh RWD				
TOTAL RURAL WATER SUPPLY						57,481,143	22,234,298	35,246,844
TOTAL						181,038,791	64,544,875	116,493,917
Capital Assets:								
1736-05	8000			Southwest Pipeline Project	7/1/17	18,112,359	6,709,164	11,403,195
2374	9000			Northwest Area Water Supply	2/8/18	22,248,857	6,078,463	16,170,394
TOTAL CAPITAL ASSETS						40,361,216	12,787,627	27,573,589

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

FLOOD CONTROL

Approved SWC		Dept	Sponsor	Project	Approved Date	Total Approved	Total Payments	Oct-20
By	No							Balance
Flood Control:								
SE	274	5000	City of Neche	Neche Levee Certification Project	9/16/19	36,600	26,378	10,222
SB 2020	1928-05	5000	Fargo Metro Flood Diversion	Fargo Metro Flood Diversion Authority 2015-2017	2/14/19	45,885,612	23,686,171	22,199,441
SB 2020	1928-17	5000	Fargo Metro Flood Diversion	Fargo Metro Flood Diversion Authority 2017-2019	2/14/19	59,850,000	0	59,850,000
SB 2020	1928-19	5000	Fargo Metro Flood Diversion	Fargo Metro Flood Diversion Authority 2019-2021	10/8/20	44,000,000	0	44,000,000
	1771-01	5000	Grafton	Grafton Flood Control Project	10/12/16	12,284,127	7,235,490	5,048,637
	1974	Rural	Souris River Joint WRD	Mouse River Rural Projects	6/19/19	32,251,930	5,794,710	26,457,220
	1974	M-15	Souris River Joint WRD	Mouse River Municipal Projects carryover 2015-17	various	4,928,633	4,069,655	858,978
	1974	M-17	Souris River Joint WRD	Mouse River Municipal Projects carryover 2017-19	various	29,402,346	18,645,416	10,756,930
	1974	M-19	Souris River Joint WRD	Mouse River Municipal New Projects	6/19/19	9,750,000	1,710,645	8,039,355
SWC	2107-02	5000	City of Minot	SWIF 2018 Outfall Pipe Project	10/11/18	880,421	322,437	557,984
SE	2122	5000	US Army Corps of Engineers	Development of Comprehensive Plan for Souris Basin	9/5/17	156,428	129,286	27,142
	1344-04	5000	Valley City	Sheyenne River Valley Flood Control Project PHII	8/29/16	4,531	4,532	(0)
	1504-01	5000	Valley City	Permanent Flood Protection Project Phase I	5/1/15	7,415	7,415	0
	1504-03	5000	Valley City	Permanent Flood Protection PH II	12/9/16	2,384,405	2,129,166	255,239
	1504-06	5000	Valley City	Permanent Flood Protection PH III & PH IV	12/8/17	153,732	153,732	0
	1504-07	5000	Valley City	Permanent Flood Protection PH III Construction	10/11/18	1,786,179	1,690,721	95,458
	1504-08	5000	Valley City	Permanent Flood Protection Erosion Sites	4/9/19	480,283	202,311	277,972
	1504-09	5000	Valley City	Permanent Flood Protection PH IV and V	4/9/20	11,610,554	316,741	11,293,813
SB 2371	1344-02	5000	Lisbon	Sheyenne River Valley Flood Control Project	8/8/16	103,971	0	103,971
	1991-10	5000	Lisbon	Permanent Flood Protection - Levee F Project	4/12/18	457,173	182,854	274,320
	1991-13	5000	Lisbon	Permanent Flood Protection - Levee C & E Extension	2/14/19	849,972	849,972	0
	2079-01	5000	Williston	West Williston Flood Control	12/9/16	139,142	139,142	0
	2131	5000	Lower Heart River WRD	Flood Risk Reduction Project	6/14/18	225,916	90,866	135,050
SWC	2111	5000	Maple River WRD	Davenport Flood Risk Reduction	4/9/20	2,083,600	0	2,083,600
SWC	2118	5000	Cass County Joint WRD	Sheldon Subdivision Levee	10/11/18	370,200	0	370,200
SE	2124	5000	City of Belfield	Heart River & Tributaries Flood Control Study	11/6/18	27,000	0	27,000
SWC	2128	5000	City of Minot	Minot 2019 Bank Stabilization SWIF Action E	8/8/19	823,180	0	823,180
SWC	2129	5000	Burleigh County WRD	Sibley Island Flood Control Project	8/8/19	96,420	0	96,420
SWC	2131	5000	Lower Heart River WRD	Lower Heart Flood Risk Reduction	10/8/20	1,200,000	0	1,200,000
Subtotal Flood Control						262,229,772	67,387,639	194,842,133
Floodway Property Acquisitions:								
0	1993-05	5000	Minot	Minot Phase - Floodway Acquisitions	4/12/18	123,277	123,276	0
0	1974-MA19	5000	Minot Acquisitions	Minot Phase - Floodway Acquisitions	6/19/19	11,950,000	976,794	10,973,206
0	1974-RA19	5000	Rural Floodway Acquisitions	Minot Rural - Floodway Acquisitions	6/19/19	3,225,000	2,416,556	808,444
SB 2371	1504-05	5000	Valley City	Valley City - Floodway Acquisitions	12/8/17	675,173	408,668	266,505
0	1991-05	5000	Lisbon	Lisbon - Floodway Acquisition	5/8/19	21,668	0	21,668
Subtotal Floodway Property Acquisitions						15,995,117	3,925,295	12,069,822
TOTAL FLOOD CONTROL						278,224,889	71,312,933	206,911,955
Revolving Loan Fund:								
(General Water)								
SWC	1504	1050	Valley City	Valley City - Permanent Flood Protection Loan	12/6/19	3,676,600	0	3,676,600
SWC	0	1050	Golden Valley County WRD	Odland Dam Rehabilitation	8/13/20	146,000	0	146,000
(Water Supply)								
REVOLVING LOAN TOTAL						3,822,600	0	3,822,600
TOTAL						282,047,489	71,312,933	210,734,555

SWC Board Approved to Continue

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium
Resources Trust Fund**

WATER CONVEYANCE

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Approved Date	Total Approved	Total Payments	Oct-20 Balance
Drain & Channel Improvement Projects:									
SE	1059	5000	2017-19	Bottineau Co WRD	Baumann Legal Drain	3/7/18	41,427	0	41,427
SWC	1059	5000	2017-19	Bottineau Co WRD	Baumann Legal Drain	12/7/18	378,976	42,825	336,151
SWC	1070	5000	2015-17	Maple River WRD	Drain #14 Channel Improvements	3/29/17	327,990	151,418	176,571
SWC	1090	5000	2019-21	Southeast Cass WRD	Cass County Drain No. 40 Improvement Project	6/19/19	192,600	14,219	178,381
SWC	1217	5000	2019-21	Tri-County WRD	Drain No 6	10/10/19	738,900	0	738,900
SWC	1222	5000	2015-17	Sargent Co WRD	Drain No 11 Channel Improvements	10/12/16	1,374,596	17,588	1,357,009
SWC	1314	5000	2015-17	Wells Co. WRD	Hurdsfield Legal Drain	3/29/17	644,292	492,626	151,666
SWC	1486	5000	2015-17	Griggs Co. WRD	Thompson Bridge Outlet No. 4 Project	10/6/15	590,146	170,657	419,489
SWC	1520	5000	2015-17	Walsh Co. WRD	Walsh County Drain 30-1	3/29/17	92,198	0	92,198
SWC	1520	5000	2017-19	Walsh Co. WRD	Walsh County Drain 30-2	10/11/18	301,501	208,695	92,806
SE	1638	5000	2019-21	Rush River WRD	Auka Ring Dike	10/30/19	24,374	0	24,374
SWC	1951	5000	2015-17	Maple River WRD	Lynchburg Channel Improvements	7/6/16	1,115,337	297,886	817,451
SWC	1978	5000	2015-17	Richland-Sargent Joint WRD	RS Legal Drain #1 Extension & Channel Improvem	3/29/17	70,422	20,704	49,718
SWC	1990	5000	2011-13	Mercer Co. WRD	Lake Shore Estates High Flow Diversion Project	3/7/12	43,821	0	43,821
SWC	1999	5000	2019-21	Pembina Co. WRD	Tongue River Cutoff Channel Improvements	2/13/20	85,329	68,466	16,863
SE	2016	5000	2015-17	Pembina Co. WRD	Establishment of Pembina County Drain No. 80	4/10/17	24,609	20,628	3,981
SWC	2087	5000	2015-17	Walsh Co. WRD	Drain #87/McLeod Drain	3/29/17	2,419,961	1,524,704	895,258
SWC	2094	5000	2019-21	McLean County WRD	Fort Mandan/4H Camp Access Road	4/9/20	67,996	0	67,996
SE	2101	5000	2017-19	Walsh Co. WRD	Walsh Co Drain #90	4/11/19	70,603	0	70,603
SWC	2104	5000	2019-21	Bottineau Co. WRD	Overgaard Extension	2/13/20	215,969	0	215,969
SWC	2108	5000	2015-17	Walsh Co. WRD	Walsh Co Drain #22	6/22/17	81,176	0	81,176
SE	2112	5000	2017-19	Pembina Co. WRD	Pembina Co Drain #81	7/30/17	340,982	0	340,982
SWC	2127	5000	2019-21	Sargent Co WRD	Sargent County Drain 12 Improvement	2/13/20	267,512	0	267,512
SE	2133	5000	2017-19	Burleigh Co. WRD	Missouri River Section 32 Bank Stabilization Projects	4/11/19	22,500	0	22,500
SWC	2136	5000	2019-21	Pembina County WRD	Drain No. 39	4/9/20	210,928	0	210,928
SWC	2138	5000	2019-21	Pembina County WRD	Drain No. 82	12/6/19	1,011,666	0	1,011,666
SWC	2140	5000	2019-21	Grand Forks-Traill County Joint	Thompson Drainage	4/9/20	688,107	23,216	664,892
SE	2143	5000	2019-21	Traill Co. WRD	Hillsboro Drain No. 26 Channel Improvements	3/27/20	72,041	62,309	9,732
SWC/SE	1413-01	5000	2019-21	Traill Co. WRD	Camrud Drainage Improvement District No. 79	4/9/20	827,482	39,299	788,183
SE	2152	5000	2019-21	Enderlin Park Board	Maple River Bank Stabilization Project	6/24/20	11,250	6,955	4,295
SWC	2155	5000	2019-21	Richland County, Center Towns	Wild Rice River Bank Stabilization	10/8/20	78,644	0	78,644
SWC	2156	5000	2019-21	Bottineau County WRD	McHenry Laterals A and B	10/8/20	362,492	0	362,492
SWC	PS/WRD/M	5000	2019-21	Mercer County WRD	Knife River Bank Stabilization	10/8/20	87,831	0	87,831
Snagging & Clearing Projects:									
SWC	568	5000	2019-21	Southeast Cass WRD	Sheyenne River Snag & Clear	8/8/19	294,000	123,103	170,897
SE	662	5000	2019-21	Walsh County WRD	Park River Snag and Clear	1/28/20	50,500	0	50,500
SE	1667	5000	2019-21	Traill County WRD	Goose River Snagging & Clearing	10/27/20	47,500	0	47,500
SWC	1694	5000	2019-21	Pembina County WRD	Tongue River Snag and Clear, City of Cavalier	10/8/20	98,400	0	98,400
SE	1934	5000	2019-21	Traill County WRD	Elm River Snagging & Clearing	10/27/20	47,500	0	47,500
SE	2095	5000	2015-17	Nelson Co WRD	Sheyenne River Snagging & Clearing	4/10/17	19,700	0	19,700
SE	2095	5000	2019-21	Barnes Co WRD	2019 Sheyenne River Snag & Clear Reach 1 - Projec	9/16/19	49,750	0	49,750

TOTAL

13,491,008 3,285,296 10,205,712

SWC Board Approved to Continue

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium
Resources Trust Fund**

COMPLETED WATER CONVEYANCE

						Oct-20			
Approver SWC By	No	Dept	Approved Biennium	Sponsor	Project	Approved Date	Total Approved	Total Payments	Balance
SE	662	5000	2015-17	Walsh Co. WRD	Park River Snagging & Clearing	B. Nangare	0	0	0
SE	1056	5000	2015-17	Bottineau Co. WRD	Stead Legal Drain	B. Nangare	0	0	0
SWC	1071	5000	2015-17	Maple River WRD	Cass County Drain #15 Channel Improvements	B. Nangare	4,534	4,534	0
SWC	1180	5000	2017-19	Richland Co WRD	Legal Drain #7 Channel Improvements	B. Nangare	200,812	200,812	0
SE	1277	5000	2019-21	Emmons County WRD	Beaver Creek Snag and Clear	B. Nangare	74,000	72,581	1,419
SWC	1311	5000	2015-17	Traill Co. WRD	Buxton Township Improvement District No. 68	B. Nangare	0	0	0
SWC	1331	5000	2015-17	Richland Co WRD	Drain #14 Reconstruction	B. Nangare	0	0	0
SWC	1650	5000	2017-19	Sargent Co WRD	Sargent County Drain No. 7 Cost Overrun	B. Nangare	110,638	110,638	0
SWC/SE	1694	5000	2019-21	Pembina County WRD	Tongue River Snag and Clear	B. Nangare	116,837	116,635	202
SE	1842	5000	2019-21	Richland County WRD	2019 Wild Rice River Snag and Clear	B. Nangare	150,000	150,000	0
SWC	1868	5000	2019-21	Southeast Cass WRD	Wild Rice River Snag and Clear	B. Nangare	120,000	120,000	0
SWC	2049	5000	2015-17	Grand Forks Co. WRD	Grand Forks Legal Drain No. 58	B. Nangare	517,128	517,128	0
SWC	2068	5000	2015-17	Traill Co. WRD	Stavanger-Belmont Drain No. 52 Channel Impr	B. Nangare	44,342	44,342	0
SE	2069	5000	2017-19	Center Township	Center Township Bank Stabilization	B. Nangare	3,720	3,720	0
SWC	2088	5000	2015-17	Pembina Co. WRD	Drain No. 79	B. Nangare	52,764	52,764	0
SE	2093/1427	5000	2015-17	Bottineau Co. WRD	Moan Legal Drain	B. Nangare	0	0	0
SE	2110	5000	2015-17	Ward Co. WRD	Meadowbrook Snagging & Clearing	B. Nangare	33,000	33,000	0

SNAGGING & CLEARING PROJECTS

	TOTAL	<u>1,427,775</u>	<u>1,426,153</u>	<u>1,621</u>
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**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium
Resources Trust Fund**

GENERAL PROJECTS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Approved Date	Total Approved	Total Payments	Oct-20 Balance
Hydrologic Investigations:									
SWC	2041	3000	2017-19	USGS	Stream Gage Joint Funding Agreement	12/7/18	1,251,736	694,531	557,205
SE	989	3000	2019-21	ND Dept of Environmental Quality	Water Sampling Testing	8/13/19	110,000	110,000	0
Subtotal Hydrologic Investigations							1,361,736	804,531	557,205
Devils Lake Basin Development:									
SWC	416-10	4700			Devils Lake Outlet Operations	4/9/19	3,760,132	3,760,132	(0)
Subtotal Devils Lake Basin Development							3,760,132	3,760,132	(0)
General Water Management:									
SWC	160	5000	2017-19	McLean Co WRD	Painted Woods Lake Flood Damage Reduction & Habita	8/9/18	284,768	193,017	91,751
SWC	269	5000	2017-19	Walsh Co. WRD	Fordville Dam Rehabilitation	6/19/19	122,595	31,260	91,335
SWC	391	5000	2019-21	Sargent Co WRD	Silver Lake Dam Improvements	4/9/20	190,524	27,588	162,936
SWC	394	5000	2019-21	Golden Valley Co WRD	Odland Dam Rehabilitation Project	4/9/20	705,855	110,055	595,800
SWC	399	5000	2017-19	Bames Co WRD	Kathryn Dam Project	8/9/18	754,875	0	754,875
SE	420	5000	2015-17	Heltinger Park Board	Mirror Lake Dam Emergency Action Plan	12/2/16	11,573	0	11,573
SE	531	5000	2017-19	Benson Co WRD	Bouret Dam Rehabilitation	12/20/18	31,843	0	31,843
SWC	531	5000	2017-19	Benson Co WRD	Bouret Dam Rehabilitation	4/9/19	591,750	5,034	586,716
SWC	551	5000	2015-17	McHenry Co. WRD	Buffalo Lodge Lake Outlet	6/22/17	61,540	0	61,540
SE	632	5000	2019-21	Bottineau County Highway Dept	Antler Dam Repair	1/16/20	34,800	0	34,800
SWC	688	5000	2017-19	Grand Forks Co WRD	Larimore Dam Rehabilitation	6/19/19	91,800	8,635	83,165
SWC	848	5000	2017-19	Sargent Co WRD	Brunmond/Lubke Dam	10/11/18	280,043	192,439	87,604
SWC	980	5000	2015-17	Cass Co. Joint WRD	Rush River Watershed Detention Study	1/7/16	99,257	50,566	48,692
SWC	980	5000	2015-17	Cass Co. Joint WRD	Upper Maple River Watershed Detention Study	1/11/16	70,899	29,490	41,209
SE	1264	5000	2013-15	Bames Co WRD	Little Dam Repurposing Feasibility Study	6/17/15	12,385	6,588	5,797
SE/SWC	1267	5000	2019-21	Bottineau County WRD	Westhope Dam Rehabilitation	6/9/20	71,293	0	71,293
SE	1289	5000	2015-17	McKenzie Co. Weed Board	Control of Noxious Weeds on Sovereign Land	4/10/17	27,549	0	27,549
SE	1299	5000	2019-21	Ransom County	Maple River Bridge Bank Stabilization	5/5/20	31,675	0	31,675
SWC	1303	5000	2015-17	Sargent Co WRD	Shortfoot Creek Watershed Planning Program	3/9/16	84,475	21,823	62,652
SE	1378	5000	2019-21	Bames Co WRD	Clausen Springs Dam EAP	8/8/19	72,052	50,679	21,373
SWC	1389	5000	2013-15	Bank of ND	BND AgPace Program	8/8/19	180,365	122,468	57,897
SE	1431	5000	2019-21	USGS/LaMoore County	Rapid Deployment Gages under FEMA Hazard Mit	10/17/19	500	0	500
SE	1453	5000	2017-19	Heltinger County WRD	Karey Dam Rehabilitation Design & Planning	12/14/18	48,284	0	48,284
SE	1453	5000	2017-19	Heltinger County WRD	Karey Dam Rehabilitation Project	4/9/19	971,325	0	971,325
SE	1453	5000	2017-19	Heltinger County WRD	Sovereign Land Navigability Determination	8/8/19	400,000	0	400,000
HB1202	1625	5000	2019-21	Various Consulting Firms	Maple River Dam Site T-180 Improvements	2/13/20	212,216	0	212,216
SWC	1785	5000	2019-21	Maple River WRD	Maple River Dam Site T-180 Improvements	2/13/20	212,216	0	212,216
SWC	1851-01	5000	2015-17	ND State Water Commission	Drought Disaster Livestock Water Supply Assistance	2/8/18	656,983	99,705	557,277
SWC	1878-02	5000	2017-19	Maple-Steele Joint WRD	Upper Maple River Dam Outlet Channel Improvements	4/9/19	82,320	0	82,320
SWC	1968	5000	2015-17	Garrison Diversion	MM 15 Irrigation Project	3/29/17	93,615	0	93,615
SWC	1968	5000	2015-17	Garrison Diversion	MM 42L Irrigation Project	8/23/17	77,958	0	77,958
SWC	1968	5000	2017-19	Garrison Diversion	MM 0 and MM 0.4 Irrigation Project	12/7/18	1,673,793	29,089	1,644,704
SE	2055	5000	2015-17	Red River Joint Water Resource District	Lower Red Basin Regional Detention Study	7/17/15	45,000	0	45,000
SWC	2059	5000	2015-17	Park River Joint WRD	North Branch Park River NRCS Watershed Study	10/6/15	81,200	0	81,200
SWC	2060	5000	2017-19	Walsh Co. WRD	Matejcek Dam Rehabilitation	10/11/18	194,345	93,079	101,266
SE	2072	5000	2015-17	Bames Co WRD	Ten Mile Lake Flood Risk Reduction Project	6/8/16	36,812	2,862	33,950
SWC	2075	5000	2015-17	Ward Co. WRD	Second Larson Coulee Detention Pond	7/6/16	602,307	0	602,307
SE	2089	5000	2015-17	Maple River WRD	Tower Township Improvement District No. 77 Study	12/19/16	16,458	0	16,458
SE	2090	5000	2015-17	International Water Institute	River Watch Program	1/12/17	59,074	41,744	17,330
SWC	2103	5000	2017-19	Walsh Co. WRD	Bylin Dam Rehabilitation	6/19/19	131,370	33,101	98,269
SE	2109	5000	2017-19	Logan County WRD	McKenna Lake Feasibility Study	6/21/17	2,247	0	2,247
SE	2109	5000	2017-19	Logan County WRD	McKenna Lake Hydrologic Study	9/12/18	55,961	51,690	4,271
SWC	2109-02	5000	2019-21	Logan County WRD	McKenna Lake Hydrologic Study Phase 2	10/8/20	111,876	0	111,876
SWC	2115	5000	2017-19	Applied Weather Associates, LLC	(PMP) Probable Maximum Precipitation Estimates	10/11/18	600,000	351,720	248,280
SWC	2121	5000	2017-19	Pembina Co. WRD	Senator Young Dam Rehabilitation	6/19/19	129,210	15,065	114,145
SWC	2123	5000	2017-19	Geotech, Inc.	Airborne Electromagnetic (AEM) 2018	8/9/18	427,354	404,250	23,104
SWC	2141	5000	2019-21	Pembina Co. WRD	Weiler Dam Gate and Catwalk Retrofit	4/9/20	118,924	0	118,924
SE	2142	5000	2019-21	City of Bismarck	Jackman Coulee Dam 2 Emergency Action Plan	5/5/20	25,600	0	25,600
SE	2146	5000	2019-21	City of Bismarck	Jackman Coulee Dam 2 Pipe Rehab	5/5/20	65,000	0	65,000
SE	2150	5000	2019-21	SD Dept of Transportation	Multi-State DOT Pooled Fund Study	7/1/20	55,600	0	55,600
SE	1396-01	5000	2013-15	State Water Commission	Missouri River Recovery Program	11/17/15	46,510	0	46,510
SWC	ARB-WMI-19-1	7600	2019-21	Weather Modification, Inc.	Atmospheric Resource Operations and Research Gr	6/19/19	875,722	286,025	589,697
SWC	PS/IRR/LOW	5000	2017-19	Lower Yellowstone Irrigation District #2	Lateral W Irrigation Project	6/14/18	366,445	0	366,445
SE	AOC/WEF	5000	2019-21	ND Water Education Foundation	ND Water Magazine	7/23/19	26,000	6,500	19,500
SWC	AOC/RRB	5000	2019-21	Red River Basin Commission	Red River Basin Commission Contractor	6/19/19	200,000	100,000	100,000
SWC	AOC/ASS	5000	2019-21	Assiniboine River Basin Initiative	ARBI's Outreach Efforts	6/19/19	100,000	50,000	50,000
SE	AOC/IRA	5000	2019-21	ND Irrigation Association	Water Irrigation Funding	6/28/19	50,000	50,000	0
SE	AOC/WRD	5000	2019-21	ND Water Resource Districts Association	Water Managers Handbook and Workshops	7/1/20	20,500	0	20,500
SE	PS/WRD/DEV	5000	2019-21	Devils Lake Basin Joint WRB	Board Manager	7/1/19	60,000	0	60,000
SE	PS/WRD/MRJ	5000	2019-21	Missouri River Joint WRB	MRRIC Terry Fleck	5/2/19	45,000	20,237	24,763
SE	PS/WRD/LOW	5000	2015-17	Lower Heart WRD	Lower Heart Flood Control Study	5/10/17	21,140	0	21,140
Subtotal General Projects							12,598,365	2,484,708	10,113,657
TOTAL							17,720,233	7,049,371	10,670,862

SWC Board Approved to Continue

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium
Resources Trust Fund**

COMPLETED GENERAL PROJECTS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Approved Date	Total Approved	Total Payments	Oct-20 Balance	
Hydrologic Investigations:										
	0	0	0	0	0	0	1/0/00	0	0	0
								0	0	0
SE	390	5000	2015-17	Logan County WRD	Beaver Lake Dam Rehabilitation Feasibility Study	6/8/16	2,140	369	1,771	
SE	460	5000	2015-17	Griggs Co. WRD	Ueland Dam Rehabilitation Feasibility Study	5/20/16	17,500	0	17,500	
SE	477	5000	2015-17	Valley City	Mill Dam Rehabilitation Feasibility Study	6/8/16	2,937	2,937	0	
SE	512	5000	2015-17	Emmons County WRD	Nieuwsma Dam Emergency Action Plan	11/28/16	6,720	6,707	13	
SE	561	5000	2015-17	City of Tioga	Tioga Dam EAP	5/20/16	40,000	40,000	0	
SE	667	5000	2017-19	Burke Co WRD	Northgate Dam 2 Emergency Action Plan	9/5/17	26,396	25,866	530	
SE	1270	5000	2015-17	City of Wilton	Wilton Pond Dredging Recreation Project	12/29/15	35,707	0	35,707	
SE	1273	5000	2019-21	City of Oakes	James River Bank Stabilization	11/26/19	16,869	16,869	0	
SWC	1296	5000	2015-17	Pembina Co. WRD	Tongue River NRCS Watershed Plan	3/9/16	64,334	64,334	0	
SWC/SE	1301	5000	2015-17	Richland Co. WRD	North Branch Antelope Creek NRCS Small Watershed	3/9/16	71,439	66,765	4,674	
SE	1303	5000	2013-15	Sargent Co WRD	Gwinner Dam Improvement Feasibility Study Program	4/17/15	20,181	501	19,681	
SE	1403	5000	2019-21	NDSU	ND Water Resource Institute grant student stipends	1/16/20	25,000	25,000	0	
SE	1431	5000	2017-19	USGS	Rapid Deployment Gage on the James River at Adrian	3/20/19	4,900	4,900	0	
SE	1444	5000	2015-17	City of Pembina	Flood Protection System Certification	4/19/16	1,657	1,657	0	
SE	1453	5000	2015-17	Hettinger County WRD	Karey Dam Rehabilitation Feasibility Study	5/23/16	6,853	6,853	0	
SWC	1859	5000	2017-15	ND Dept of Environmental Quality	NPS Pollution	8/23/17	200,629	200,000	629	
SB2009	1986	5000	2019-21	ND Dept of Agriculture	Wildlife Services	8/15/19	125,000	125,000	0	
SWC	2060	5000	2015-17	Walsh Co. WRD	Forest River Watershed Study	4/10/17	154,012	99,632	54,380	
SE	2070	5000	2015-17	Garrison Diversion Conservancy Dist.	Mill Marker 42 Irrigation Project	5/20/16	444	0	444	
SE	2071	5000	2015-17	Foster County WRD	Alkali Lake High Water Feasibility Study	4/19/16	4,830	4,009	821	
SWC	2074	5000	2015-17	City of Wahpeton	Breakout Easements	7/6/16	265,250	265,250	0	
SWC	2074	5000	2015-17	City of Wahpeton	Flood Control - Levee Certification	7/6/16	247,500	247,500	0	
SWC	2083	5000	2015-17	Pembina Co. WRD	Herzog Dam Gate & Catwalk Retrofit - Construction	10/12/16	106,188	85,762	20,425	
SE	2085	5000	2015-17	Adams Co WRD	Orange Dam Rehabilitation Feasibility Study	10/13/16	8,840	0	8,840	
SWC	2096	5000	2015-17	Southeast Cass WRD	Sheyenne-Maple Flood Control Dist. #2 Improvements	3/29/17	322,617	43,539	279,079	
SWC	2120	5000	2017-19	Apex Engineering	SWPP Transfer of Ownership Study	4/9/19	170,909	170,876	33	
SE	2090-02	5000	2017-19	International Water Institute	River of Dreams Program	6/6/18	8,331	8,331	0	
SE	849-01	5000	2017-19	Pembina Co. WRD	Goschke Dam Spillway Gate Retrofit	4/9/19	119,010	119,010	(0)	
SE	AOC/WEF/TOURS	5000	2019-21	ND Water Education Foundation	Summer Water Tours	3/20/20	2,500	0	2,500	
SE	ARB-NDAWN	5000	2019-21	North Dakota State University	North Dakota Agricultural Weather Network	3/16/20	1,500	1,500	0	
SWC	FUGRO	5000	2019-21	FUGRO	Aerial Imagery Project	6/19/19	790,000	790,000	0	
Subtotal General Projects							2,870,193	2,423,166	447,026	
TOTAL							2,870,193	2,423,166	447,026	

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

MUNICIPAL/REGIONAL WATER SUPPLY

**October-20
Balance**

BUCKET TOTAL S.B.2020 2019-2021

\$ 128,000,000

APPROPRIATED TO RED RIVER VALLEY

\$ 36,120,000

OBLIGATED THIS BIENNIUM

2050-13	Mandan	Mandan Raw Water Intake	6/19/19	17,290,000
2050-75-19	Bismarck	Lockport Water Pump Station	10/8/20	2,955,000
2050-76-19	Mapleton	Water Storage Tank	6/19/19	840,000
1973-07	WAWSA	WAWSA	10/8/20	14,479,400
2050-84-19	Cavalier	Water Tower Replacement	10/10/19	1,022,500
2050-85-19	Mapleton	300,000 Gallon Storage Tank	10/10/19	540,000
2050-86-19	Minot	SW Water Tower	10/10/19	2,855,000
2050-87-19	Streeter	Well Installation and Tower Rehabilitation	10/10/19	265,000
2050-88-19	Davenport	Water Improvement District No. 2019-1	10/10/19	466,000
2050-89-19	West Fargo	9th Street NW Water Main	10/10/19	594,000
2050-90-19	Grand Forks	Water Treatment Plant	10/10/19	9,875,000
2050-94-19	Watford City	Water Distribution 2019	12/6/19	541,400
2050-95-19	Garrison	Water Supply Treatment and Transmission Line	2/13/20	3,396,000
2050-96-19	Larimore	2020 Water System Replacement	2/13/20	2,617,000
2050-97-19	Park River	2020 Water Main Improvement	2/13/20	970,000
2050-98-19	Sykeston	Water Tower Replacement	2/13/20	587,000
2050-99-19	Valley City	Water Main Improvement 100/101	2/13/20	350,000
2050-100-19	Wyndmere	2020 Water Main Improvements	2/13/20	1,730,000
2050-101-19	Fargo	Downtown Water Tower	2/13/20	2,814,000
2050-102-19	Lincoln	Water Tank Replacement	2/13/20	1,268,000
2050-103-19	Kindred	Water Main Looping 2020	2/13/20	134,000
2050-104-19	Hazen	Water Storage Improvements	2/13/20	1,430,000
2050-105-19	Williston	42nd Street and 16th Avenue Water Main	2/13/20	1,196,000
2050-106-19	Parshall	Water Tower Storage	4/9/20	1,323,000
2050-107-19	Dickinson	North Annexation Water Supply	4/9/20	856,400
2050-108-19	Valley City	Water Treatment Plant Membrane Replacement	4/9/20	867,607
2050-115-19	Killdeer	2020 Water Main and Pump Station Project	10/8/20	1,060,500
325-17-19	RRVWSP	RRVWSP Garrison Diversion	10/8/20	2,151,606

MUNICIPAL/REGIONAL WATER SUPPLY OBLIGATED

74,474,413

BALANCE

17,405,587

COMPLETED WATER SUPPLY - FUNDS TURNED BACK

2050-20	Dickinson	Capital Infrastructure		1,926
2050-29	Minot	Water Systems Improvement Project		289,138
2050-68	Valley City	Valley City Membrane Replacement Project		67,820

MUNICIPAL/REGIONAL FUNDS TURNED BACK

358,884

BALANCE PER PROJECT SUMMARY REPORT

17,405,587

VARIANCE

358,884

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

RURAL WATER SUPPLY

**October-20
Balance**

BUCKET TOTAL S.B.2020 2019-2021

\$ 37,200,000

OBLIGATED THIS BIENNIUM

2050-77-19	Dakota Rural Water District	2019 Expansion	4/9/20	4,650,000
2050-78-19	McLean-Sheridan Rural Water District	2019 Expansion	4/9/20	4,980,000
2050-79-19	Northeast Regional WD	Devils Lake Water Supply Phase II	6/19/19	1,197,829
2050-80-19	Stutsman RWD	Phase 7, including Reule Lake	6/19/19	1,812,000
2050-81-19	South Central RWD	North Burleigh Water Treatment Plant	6/19/19	920,000
2050-82-19	Missouri West Water System	North Mandan/Highway 25 and Hamon Lake Area	8/8/19	1,095,000
2050-83-19	Tri-County Rural Water District	Phase 5	8/8/19	1,990,000
2050-91-19	Agassiz Water Users District	2019 Expansion	4/9/20	2,990,000
2050-92-19	East Central RWD	2019 Expansion Phase IV	10/8/20	4,086,000
2050-93-19	Greater Ramsey Water District	2019 Expansion	10/10/19	1,328,000
2050-35	Southeast Water Users Dist.	System Wide Expansion	2/13/20	225,000
2050-112-19	North Prairie RWD	Benedict Water Distribution System	8/13/20	67,500
2050-113-19	North Prairie RWD	Minot to Velva Highway 52 Improvement	10/8/20	3,249,000
2050-114-19	Walsh RWD	Drayton Water Supply Project	10/8/20	4,713,600

RURAL WATER SUPPLY OBLIGATED

33,303,929

BALANCE

3,896,071

COMPLETED RURAL WATER SUPPLY - FUNDS TURNED BACK

2050-72	Stutsman RWD	Phase 6 Pettibone Project		57,630.00
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RURAL WATER SUPPLY - FUNDS TURNED BACK

57,630

BALANCE PER PROJECT SUMMARY REPORT

3,953,701

VARIANCE

-57,630

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

FLOOD CONTROL PROJECTS BUCKET

**October-20
Balance**

BUCKET TOTAL S.B.2020 2019-2021

\$ 197,000,000

**APPROPRIATED TO FARGO
APPROPRIATED TO MINOT**

**22,500,000
33,000,000**

FLOOD CONTROL OBLIGATED THIS BIENNIUM

SWC	1504-09	2019-21	10/10/19	Valley City	Permanent Flood Protection PH IV and V	11,610,554
SWC	1928-19	2019-21	10/8/20	Fargo Metro Flood Diversion	Fargo Metro Flood Diversion Authority 2019-2021	44,000,000
SWC	1974-M19	2019-21	6/19/19	Souris River Joint WRD	MREFPP Minot Projects	9,750,000
SWC	1974-MA19	2019-21	6/19/19	Souris River Joint WRD	MREFPP Minot Acquisitions	11,950,000
SWC	1974-R19	2019-21	6/19/19	Souris River Joint WRD	MREFPP Rural Projects	24,575,000
SWC	1974-RA19	2019-21	6/19/19	Souris River Joint WRD	MREFPP Rural Acquisitions	3,225,000
SE	2122	2019-21	7/10/19	US Army Corps of Engineers	Development of Comprehensive Plan for Souris Basin	75,000
SWC	2128	2019-21	8/8/19	City of Minot	Minot 2019 Bank Stabilization SWIF Action E	823,180
SWC	2129	2019-21	8/8/19	Burleigh County WRD	Sibley Island Flood Control Project	96,420
SWC	274	2019-21	9/16/19	City of Neche	Neche Levee Certification Project	36,600
SWC	2111	2019-21	4/9/20	Maple River WRD	Davenport Flood Risk Reduction	2,083,600
OBLIGATED 2019-2021						108,225,354

WATER CONVEYANCE OBLIGATED THIS BIENNIUM

SWC	568	2019-21	8/8/19	Southeast Cass WRD	Sheyenne River Snag & Clear	294,000
SE	662	2019-21	1/28/20	Walsh County WRD	Park River Snag & Clear	50,500
SWC	1090	2019-21	6/19/19	Southeast Cass WRD	Cass County Drain No. 40 Improvement Project	192,600
SWC	1217	2019-21	10/10/19	Tri-County WRD	Drain No. 6	738,900
SE	1277	2019-21	1/16/20	Emmons County WRD	Beaver Creek Snag & Clear	74,000
SWC	1638	2019-21	10/30/19	Rush River WRD	Auka Ring Dike	24,374
SE	1667	2019-21	10/27/20	Trail County WRD	Goose River Snagging & Clearing	47,500
SWC	1694	2019-21	8/8/19	Pembina County WRD	Tongue River Snag & Clear	116,837
SWC	1694-01	2019-21	10/8/20	Pembina County WRD	Tongue River Snag & Clear - City of Cavalier	98,400
SE	1842	2019-21	1/15/20	Richland County WRD	2019 Wild Rice River Snag & Clear	150,000
SWC	1868	2019-21	8/8/19	Southeast Cass WRD	Wild Rice River Snag & Clear	120,000
SE	1934	2019-21	10/27/20	Trail County WRD	Elm River Snagging & Clearing	47,500
SWC	2095	2019-21	9/16/19	Barnes County WRD	2019 Sheyenne River Snag & Clear Reach 1 - Project 2	49,750
SWC	2138	2019-21	12/6/19	Pembina County WRD	Drain No. 82	1,011,666
SWC	1999	2019-21	2/13/20	Pembina Co. WRD	Tongue River Cutoff Channel Improvements	85,329
SWC	2104	2019-21	2/13/20	Bottineau Co. WRD	Overgaard Extension	215,969
SWC	2127	2019-21	2/13/20	Sargent Co WRD	Sargent County Drain 12 Improvement	267,512
SWC	2112	2019-21	2/13/20	Pembina Co. WRD	Pembina Co Drain #81	284,982
SE	2143	2019-21	3/27/20	Trail Co. WRD	Hillsboro Drain No. 26 Channel Improvements	72,041
SWC	2094	2019-21	4/9/20	McLean County WRD	Fort Mandan/4H Camp Access Road	67,996
SWC	2136	2019-21	4/9/20	Pembina County WRD	Drain No. 39	210,928
SWC	2140	2019-21	4/9/20	Grand Forks-Traill County Joint WF	Thompson Drainage	688,107
SWC	2152	2019-21	6/24/20	Enderlin Park Board	Maple River Bank Stabilization Project	11,250
SWC	2155	2019-21	10/8/20	Richland County, Center Townshp	Wild Rice River Bank Stabilization	78,644
SWC	2156	2019-21	10/8/20	Bottineau County WRD	McHenry Laterals A and B	362,492
SWC	PS/WRD/MEI	2019-21	10/8/20	Mercer County WRD	Knife River Bank Stabilization	87,831
SWC/SE	1413-01	2019-21	4/9/20	Traill Co. WRD	Camrud Drainage Improvement District No. 79	812,925
OBLIGATED 2019-2021						6,262,033

SUBTOTAL OBLIGATED THIS BIENNIUM

114,487,387

COMPLETED WATER CONVEYANCE - FUNDS DEOBLIGATED

SE	1277	2019-21	1/16/20	Emmons County WRD	Beaver Creek Snag and Clear	1,419
SWC	1694	2019-21	8/8/19	Pembina County WRD	Tongue River Snag & Clear	202
						<u>1,621</u>

SUBTOTAL OBLIGATED THIS BIENNIUM

114,485,766

BALANCE OF S.B. 2020 BUCKET

\$ 27,012,613

COMPLETED FLOOD CONTROL - FUNDS TURNED BACK

SWC	2079-01	2017-19	12/9/16	Williston	West Williston Flood Control	1,777,242
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TOTAL FUNDS TURNED BACK

1,777,242

BALANCE PROJECT SUMMARY WORKSHEET

\$ 28,789,854

VARIANCE

(1,777,242)

**STATE WATER COMMISSION
PROJECT SUMMARY
2019-2021 Biennium**

GENERAL PROJECTS BUCKET

**October-20
Balance**

BUCKET TOTAL S.B.2020 2019-2021

\$ 27,093,776

OBLIGATED THIS BIENNIUM

SWC	AOC/RRC	2019-21	6/19/19	Red River Basin Commission	Red River Basin Commission Contractor	200,000
SWC	AOC/ASS	2019-21	6/19/19	Assiniboine River Basin Initiative	ARBI's Outreach Efforts	100,000
SWC	2041	2019-21	6/19/19	USGS	Stream Gage Joint Funding Agreement	638,354
SWC	62019	2019-21	6/19/19	Weather Modification Inc.	Atmospheric Resource Operations and Research Grants	875,722
SWC	FUGRO	2019-21	6/19/19	Fugro	Aerial Imagery Project	790,000
SE	AOC/WEF	2019-21	7/23/19	ND Water Education Foundation	ND Water Magazine	26,000
SE	632	2019-21	1/16/20	Bottineau County Highway Department	Antler Dam Repair	34,800
SWC	989	2019-21	6/19/19	USGS	Stream Gage Joint Funding Agreement	110,000
SE	1267	2019-21	6/9/20	Bottineau County WRD	Westhope Dam Rehabilitation	23,764
SE	1273	2019-21	11/26/19	City of Oakes	James River Bank Stabilization	16,869
SE	1299	2019-21	5/5/20	Ransom County	Maple River Bridge Bank Stabilization	31,675
SWC	1389	2019-21	8/8/19	Bank of ND	BND AgPace Program	150,000
SE	1403	2019-21	1/16/20	NDSU	ND Water Resource Institute Grant Student Stipends	25,000
SE	1431	2019-21	10/17/19	USGS/LaMoure County	Rapid Deployment Gages Under FEMA Hazard Mitigation Grant Program	500
SWC	1859	2019-21	8/8/19	ND Dept of Environmental Quality	NPS Pollution	200,000
SWC	1986	2019-21	8/15/19	ND Dept of Agriculture	Wildlife Services	125,000
SE	2090	2019-21	8/2/19	International Water Institute	River Watch Program	53,840
SWC	2109-02	2019-21	10/8/20	Logan County WRD	McKenna Lake Hydrologic Study Phase 2	111,876
SWC	HB1202	2019-21	8/8/19	Various Consulting Firms	Sovereign Land Navigability Determination	400,000
SE	AOC/IRA	2019-21	6/28/19	ND Irrigation Association	Water Irrigation Funding	50,000
SE	PS/WRD/DEV	2019-21	7/1/19	Devils Lake Basin Joint WRB	Board Manager	60,000
SE	PS/WRD/MRJ	2019-21	5/2/19	Missouri River Joint WRB	MRRIC Terry Fleck	45,000
SWC	391	2019-21	4/9/20	Sargent Co WRD	Silver Lake Dam Improvements	161,918
SWC	394	2019-21	4/9/20	Golden Valley Co WRD	Odland Dam Rehabilitation Project	595,800
SE	1267	2019-21	2/7/20	Bottineau County WRD	Westhope Dam Rehabilitation	47,529
SE	1378	2019-21	2/7/20	Barnes Co WRD	Clausen Springs Dam EAP	72,052
SWC	1785	2019-21	2/13/20	Maple River WRD	Maple River Dam Site T-180 Improvements	212,216
SE	1301	2019-21	3/30/20	Richland Co. WRD	North Branch Antelope Creek NRCS Small Watershed	17,500
SWC	2141	2019-21	4/9/20	Pembina Co. WRD	Weiler Dam Gate and Catwalk Retrofit	118,924
SE	2142	2019-21	5/5/20	City of Bismarck	Jackman Coulee Dam 2 Emergency Action Plan	25,600
SE	2146	2019-21	5/5/20	City of Bismarck	Jackman Coulee Dam 2 Pipe Rehab	65,000
SE	2150	2019-21	7/1/20	SD Dept of Transportation	Multi-State DOT Pooled Fund Study	55,600
SE	AOC/WRD	2019-21	7/1/20	ND Water Resource Districts Association	Water Managers Handbook and Workshops	20,500
SE	AOC/WEF/TOUR	2019-21	3/20/20	ND Water Education Foundation	Summer Water Tours	2,500
SE	ARB-NDAWN	2019-21	3/16/20	North Dakota State University	North Dakota Agricultural Weather Network	1,500

OBLIGATED 2019-2021

5,465,039

BALANCE OF S.B. 2020 BUCKET

\$ 22,075,764

COMPLETED GENERAL PROJECTS - FUNDS TURNED BACK

SE	390	2015-17	6/8/16	Logan County WRD	Beaver Lake Dam Rehabilitation Feasibility Study	1,771
SWC	2060	2015-17	4/10/17	Walsh Co. WRD	Forest River Watershed Study	54,380
SE	2071	2015-17	4/19/16	Foster County WRD	Alkali Lake High Water Feasibility Study	821
SWC	2083	2015-17	10/12/16	Pembina Co. WRD	Herzog Dam Gate & Catwalk Retrofit - Construction	20,425
SE	460	2015-17	5/20/16	Griggs Co. WRD	Ueland Dam Rehabilitation Feasibility Study	17,500
SE	512	2015-17	11/28/16	Emmons County WRD	Nieuwsma Dam Emergency Action Plan	13
SE	667	2017-19	9/5/19	Burke County WRD	Northgate Dam 2 Emergency Action Plan	530
SE	1270	2015-17	12/29/15	City of Wilton	Wilton Pond Dredging Recreation Project	35,707
SWC/SE	1301	2019-21	3/30/20	Richland Co. WRD	North Branch Antelope Creek NRCS Small Watershed	4,674
SE	1303	2013-15	4/17/15	Sargent Co WRD	Gwinner Dam Improvement Feasibility Study Program	19,681
SE	1859	2017-19	8/8/19	ND Dept of Environmental Quality	NPS Pollution	629
SE	2070	2015-17	5/20/16	Garrison Diversion Conservancy Dist.	Mile Marker 42 Irrigation Project	444
SE	2085	2015-17	10/13/16	Adams Co WRD	Orange Dam Rehabilitation Feasibility Study	8,840
SWC	2096	2015-17	3/29/17	Southeast Cass WRD	Sheyenne-Maple Flood Control Dist. #2 Improvements	279,079
SE	AOC/WEF/TOUR	2019-21	3/20/20	ND Water Education Foundation	Summer Water Tours	2,500
SWC	2120	2017-19	4/9/19	Apex Engineering	SWPP Transfer of Ownership Study	33

TOTAL FUNDS TURNED BACK

447,026

BALANCE PROJECT SUMMARY WORKSHEET

\$ 22,075,765

VARIANCE

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Appendix B

Comprehensive Project Priority List and Fundable List for 2021

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
166	1801056-21-01	Agassiz WUD	4,104	User and transmission expansion- Phase II	4,238	2021		AE2S
48	4001153-14-01	All Seasons WUD	1,575	Parallel & looped pipelines to increase flow in low pressure areas	796	2021	30	Bartlett & West
102	4001153-14-02	All Seasons WUD	754	Service to Turtle Mountains/Lake Metigoshe area	796	2021		Bartlett & West
126	4001153-15-01	All Seasons WUD	754	System 4 to system 1 interconnection	6,638	2021		Bartlett & West
5	4001153-21-01	All Seasons WUD	4,200	Refinance of projects for well, reservoir, SCADA, & pipeline improvements	3,929	-	20+	Bartlett & West
49	4001153-21-02	All Seasons WUD	4,200	Increased supply to area around and north of Rolla	371	2021	30	Bartlett & West
19	3200023-21-01	Aneta	222	Water main replacement	3,000	2022		Moore
236	2701506-20-01	Arnegard	300	Water main improvements	2,190	2021		Hyalite
90	0900035-11-01	Arthur	337	Water tower replacement	2,000	2050		Moore
52	2600038-21-02	Ashley	700	Water main replacement & looping	1,000	2021	30	Moore
53	2600038-21-03	Ashley	700	WTP upgrade	1,000	2021	20+	Moore
6	2600038-21-01	Ashley ³	700	Water tower, well, & transmission line replacement	2,000	2021	20+	Moore
174	0201058-20-01	Barnes RWD	5,037	Additional storage at four booster stations	1,250	2021		Interstate
94	1700059-14-01	Beach	1,013	Transmission main to connect north standpipe to south end of system	2,050	2022		AE2S
165	1700059-20-01	Beach	1,013	Water tower rehab	600	2022		AE2S
31	1700059-21-01	Beach	1,013	Water main & lead service line replacement	2,700	2022		AE2S
62	1700059-18-01	Beach ⁴	1,019	Water main & lead service line replacement, transmission main for looping	1,575	2021	30	AE2S
169	4500065-15-01	Belfield	1,013	Transmission main	1,402	2022		Brosz
149	4500065-18-01	Belfield	950	Water main replacement	2,530	2021		AE2S
217	4500065-18-02	Belfield	950	Water storage rehab or replacement	3,100	2021		AE2S
262	5100072-18-02	Berthold	454	Water tower improvements	250	2021		Moore
146	5100072-21-01	Berthold	454	Water main, hydrant, gate valve, & service line replacement	5,000	2021		Moore
42	2900074-20-01	Beulah	3,328	Water main, hydrant, gate valve, & service line replacement	16,630	2023		Interstate
182	0800080-21-01	Bismarck ⁴	135,000	Water main & lead service line replacement	3,520	2021		-
207	0700114-20-01	Bowbells	335	Water tower site piping upgrades	177	2021		AE2S
252	0700114-20-02	Bowbells	335	Transmission line improvements	229	2021		AE2S
216	0700114-21-01	Bowbells	359	Water tower replacement	1,800	2021		AE2S
253	0700114-21-02	Bowbells	359	Water main looping	255	2021		AE2S
232	0600119-14-01	Bowman	1,700	Water main replacement (4th Ave W)	1,150	2022		Brosz
243	0600119-19-01	Bowman	1,800	Storage tank improvements	935	2021		Brosz
44	0900134-11-01	Buffalo	225	Water main, service line, gate valve & hydrant replacement	1,900	2022		Moore
208	5100138-12-01	Burlington	1,191	Storage tank	1,700	2023		Ackerman Estvold
206	5100138-18-01	Burlington ⁴	1,191	Water main & gate valve replacement	140	2021		Ackerman Estvold

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
71	4800152-13-02	Cando	1,115	Water main, service line, gate valve, & hydrant replacement	1,800	2022		Moore
230	1600159-20-01	Carrington	2,220	Water main replacement & rehab	1,000	2021		Interstate
15	1900162-20-01	Carson	263	Water main replacement	5,700	2021	30	Interstate
106	0901060-16-01	Cass RWD	24,000	Transmission lines for correction of water quantity & pressure issues	3,000	2022		AE2S
128	0901060-21-01	Cass RWD	16,250	Reservoir, transmission lines, & PRV vault	7,533	2021		AE2S
246	0901060-21-02	Cass RWD	16,250	Service to Brooktree Park	300	2021		AE2S
108	0900166-20-01	Casselton	2,513	Water main, gate valve, & hydrant replacement	8,000	2022		Moore
237	0900166-19-01	Casselton ⁴	2,513	Lead service line replacement	550	2021		Moore
80	3400170-18-01	Cavalier	1,191	Ground storage reservoir	1,750	2021		AE2S
89	3900183-09-01	Christine	150	Water main, gate valve, & hydrant replacement	650	2021		Moore
7	2800194-20-02	Coleharbor	82	Water main & service line replacement	1,500	2022		Moore
3	2800194-20-01	Coleharbor ²	82	Water storage & pump house improvements	700	2021	20+	Moore
238	3900196-06-01	Colfax	175	Water main replacement	478	2021		
47	0700198-16-01	Columbus	133	Water main improvements	1,537	2021	30	Ackerman-Estvold
85	2000203-21-01	Cooperstown	1,100	Water main, gate valve, & hydrant replacement	350	2021		Moore
204	2001061-21-01	Dakota RWD	2,664	Service to users on private wells	2,331	2021		AE2S
91	2001061-21-02	Dakota RWD	2,664	Well & WTP expansion for service to Hannaford	2,184	2021		AE2S
147	0900217-11-01	Davenport	275	Pump station & water storage replacement, distribution system redundancy	993	2021		Interstate
11	0200226-16-01	Dazey	104	Water main replacement & reservoir system upgrades	250	2021	20+	Interstate
256	4500242-20-01	Dickinson	25,000	State Ave South water main extension	3,000	2021		KLJ
179	4500242-21-01	Dickinson ⁴	22,000	Water main, lead service line, and hydrant replacement (Sims St)	5,000	2021		Apex
75	3400269-21-01	Drayton	824	Connection to Walsh RWD, water tower, distribution improvements, & demolition of existing tower & WTP	2,100	2021		AE2S
139	1801062-15-01	East Central RWD	6,750	Transmission lines	6,775	2021		AE2S
112	1801062-21-01	East Central RWD	8,859	Transmission line & WTP improvements	7,778	2021		AE2S
14	1900303-21-01	Elgin	642	Water main replacement	2,271	2021	30	Ulteig
120	3700314-02-01	Enderlin	890	Well field & transmission line	1,650	2021		Moore
121	3700314-02-02	Enderlin	890	Water main replacement	775	2021		Moore
122	3700314-02-03	Enderlin	890	WTP improvements	4,400	2021		Moore
123	3700314-08-01	Enderlin	890	Water tower replacement	1,957	2021		Moore
158	3900333-06-01	Fairmount	367	Water main, gate valve, & hydrant replacement	700	2021		Moore
219	0900336-11-01	Fargo	155,000	High service pump station modifications	9,071	2022		AE2S
220	0900336-11-02	Fargo	155,620	WTP residuals facility	37,132	2023		AE2S
187	0900336-20-03	Fargo	155,620	Water main replacement	40,000	2021		AE2S
221	0900336-21-01	Fargo	155,000	Sheyenne River Fargo emergency water supply	5,000	2021		AE2S
127	TBD-20-01	Fargo Moorhead Diversion Authority	19,500	Relocation of existing drinking water infrastructure for flood resiliency	30	2021		AE2S

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
188	0900336-18-02	Fargo ⁴	115,620	Lead service line replacement	1,200	2021		AE2S
34	0700344-13-02	Flaxton ⁴	74	Water main, gate valve, & hydrant replacement	455	2021	30	Ackerman-Estvold
22	1100346-15-01	Forbes	53	Water main, service line, meter, gate valve, & hydrant replacement	1,500	2022		Moore
70	4100357-08-01	Forman	504	Water tower replacement	1,200	2021		Moore
26	4100357-14-01	Forman	504	Well improvements, transmission line replacement	750	2021	20+	Moore
36	4100357-15-01	Forman	504	Distribution system upgrades	900	2022		Moore
1	2400380-19-01	Gackle ³	310	Well, water meter, pump house, water tower, & water main replacement	1,300	2021	20+	Moore
55	0900387-06-01	Gardner	80	Water main replacement	400	2023		Moore
96	2800389-13-01	Garrison	1,453	WTP improvements	5,000	2021		Moore
141	2800389-15-01	Garrison	1,453	Intake structure replacement	2,000	2021		Moore
109	2801430-19-01	Garrison RWD	1,480	Pump station, ground storage tank, water main, hydrants, & gate valves	1,346	2021		Ackerman Estvold
66	2800389-13-02	Garrison ⁴	1,453	Water main replacement & looping	4,500	2021		Moore
8	3000400-19-02	Glen Ullin	807	Water main replacement & looping	2,000	2021	30	Moore
77	3800397-13-01	Glenburn	380	Water main, gate valve, & hydrant replacement	5,500	2021		Moore
142	5000408-02-01	Grafton	4,913	WTP improvements	5,000	2040		AE2S
143	5000408-03-01	Grafton	4,913	Park River water intake improvements	2,000	2036		AE2S
100	5000408-16-01	Grafton	4,913	Raw water transmission line	6,600	2029		AE2S
101	5000408-16-02	Grafton	4,913	Red River water intake improvements	6,600	2029		AE2S
163	1800410-20-01	Grand Forks	56,556	Existing WTP decommissioning	5,000	2021		AE2S
164	1800410-21-01	Grand Forks ⁴	57,365	Lead service line replacement	375	2021		-
209	0900412-20-01	Grandin	173	Water tower replacement	1,200	2021		Bolton & Menk
213	2500415-12-01	Granville	330	Water main & gate valve replacement	476	2021		Ackerman-Estvold
210	5300425-20-01	Grenora	350	Water main replacement (Main St)	1,639	2022		Ackerman Estvold
218	5300425-20-02	Grenora	350	Water main replacement (Jetson St)	535	2021		Ackerman Estvold
137	5300425-20-03	Grenora	350	Storage tank replacement	3,225	2023		Ackerman Estvold
82	5300425-20-04	Grenora	350	Water treatment & softening	3,080	2025		Ackerman Estvold
214	5300425-20-05	Grenora	350	Well #1 rehabilitation	1,524	2025		Ackerman Estvold
211	5300425-20-06	Grenora	350	Well #2 rehabilitation	1,811	2025		Ackerman Estvold
183	1300432-21-01	Halliday	3,328	Booster station to increase pressure on the south end of town	750	2022		Interstate
242	3900433-20-01	Hankinson	919	Redundant raw water transmission main	2,000	2021		Bolton & Menk
23	2000446-09-01	Hannaford	150	Water tower replacement & pump house improvements	1,200	2021	20+	Moore
25	5200458-16-01	Harvey	1,783	WTP improvements	750	2021	20+	Moore
248	0900460-16-01	Harwood	718	Water main looping	1,000	2022		Moore
87	4900465-20-01	Hatton	777	Water tower replacement	1,700	2023		Moore
241	2900470-16-01	Hazen	2,411	Water tower	1,500	2021		Moore
178	3000473-20-01	Hebron	675	Water main replacement	1,009	2021		AE2S

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
254	3000473-21-01	Hebron	675	Water meter replacement	189	2021		AE2S
65	0100476-20-01	Hettinger	1,200	Water main, gate valve, & hydrant replacement	1,250	2021		Brosz
125	4600487-08-01	Hope	258	Water main extension	200	2021		Moore
263	0900488-15-01	Horace	1,600	Water tower improvements	210	2021		Interstate
261	0900488-16-01	Horace	1,600	Water main, gate valve, & hydrant replacement	4,608	2021		Interstate
60	0900488-18-01	Horace	1,600	WTP improvements	5,915	2021	20+	Interstate
186	0900488-20-01	Horace	1,600	Connection to Cass RWD	1,717	2021		Interstate
83	0900452-15-01	Hunter	261	Pump house upgrades & water tower replacement	2,100	2021		Moore
156	0900452-15-02	Hunter	261	Water main replacement	3,100	2021		Moore
224	4700498-09-01	Jamestown	16,000	Remote reading water meters & software	2,835	2021		Interstate
225	4700498-13-01	Jamestown	16,000	WTP, storage, & distribution system SCADA improvements	455	2021		Interstate
170	4700498-13-02	Jamestown	16,000	WTP filter controls & filter media replacement	860	2021		Interstate
155	4700498-14-01	Jamestown	16,000	Transmission line replacement (WTP to state hospital)	2,760	2021		Interstate
195	4700498-14-02	Jamestown	16,000	Transmission line to improve flow to NE pressure zone	4,968	2021		Interstate
197	4700498-18-01	Jamestown	16,000	Pitless unit well improvements	200	2021		Interstate
198	4700498-18-02	Jamestown	16,000	Water main replacement	1,653	2022		Interstate
226	4700498-18-03	Jamestown	16,000	Lime slaker improvements	290	2021		Interstate
227	4700498-19-01	Jamestown	16,000	Backwash recycle system	400	2021		Interstate
228	4700498-19-02	Jamestown	16,000	Water tower improvements	350	2021		Interstate
199	4700498-21-01	Jamestown	16,000	Water main replacement	1,653	2022		Interstate
10	2300508-15-01	Jud	72	Distribution system & pump house improvements	300	2021	20+	Moore
231	5100515-15-01	Kenmare	1,200	Water main, gate valve, & hydrant replacement	575	2021		Ackerman Estvold
191	2300535-09-01	Kulm	354	Water tower replacement	1,200	2021		Moore
247	2300535-21-01	Kulm	417	Water main & valve replacement	-	-		-
28	3200536-21-01	Lakota	625	Water main, gate valve, hydrant, & service line replacement	1,100	2021	30	Bolton & Menk
168	2300537-14-01	LaMoure	889	Water main replacement & looping	500	2021		Moore
150	1000543-09-01	Langdon	1,878	Water main replacement	2,000	2021		Moore
255	1000543-09-02	Langdon	1,878	Water tower rehabilitation	450	2021		Moore
249	1000543-21-01	Langdon	1,878	Water main looping	740	2021		Moore
32	0300553-13-01	Leeds	427	Well & transmission line upgrades	450	2021	20+	Moore
93	0300553-13-02	Leeds	427	WTP improvements	400	2021		Moore
64	0300553-20-01	Leeds	427	Water main, gate valve, & hydrant replacement	500	2021		Moore
116	0300553-13-03	Leeds ⁴	427	Lead service line replacement	650	2021		Moore
39	2600556-11-01	Lehr	80	Water main replacement	500	2022		Moore
18	3900567-16-01	Lidgerwood	652	Water main replacement	510	2021	30	Interstate
153	3700574-11-01	Lisbon	2,154	Water well	200	2021		Moore
84	3700574-11-02	Lisbon	2,154	Water main replacement	2,500	2021		Moore
105	3700574-14-01	Lisbon	2,154	WTP upgrades	1,000	2021		Moore
138	5100593-13-01	Makoti	154	Well improvements	400	2021		Moore
45	5100593-13-02	Makoti	154	Water main replacement	2,000	2022		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
257	3000596-13-03	Mandan	22,752	Distribution system improvements (Boundary Road PRV)	568	2021		AE2S
185	3000596-16-03	Mandan	22,752	Raw water intake	36,587	2021		AE2S
240	3000596-19-01	Mandan	22,752	Collins Ave reservoir replacement	3,056	2021		AE2S
180	3000596-21-01	Mandan	22,752	Memorial Highway water main upgrade	6,444	2022		AE2S
258	3000596-21-02	Mandan	22,752	South end pump station expansion	371	2022		AE2S
104	0900613-20-01	Mapleton	1,034	Water main replacement & looping	500	2021		Moore
117	2800619-18-01	Max	334	Water main & service line replacement	551	2021		Ackerman Estvold
140	2800619-20-01	Max	334	Gate valve replacement	130	2021		Ackerman Estvold
99	4900622-16-01	Mayville	1,858	WTP upgrades	750	2021		Moore
33	4900622-20-01	Mayville	1,858	Water main, gate valve, & hydrant replacement	500	2021	30	Moore
4	4200626-19-01	McClusky	380	Water tower, transmission lines, & booster station	3,410	2022		Moore
59	4200626-19-02	McClusky	380	Water main, hydrants, & appurtenances	350	2022		Moore
68	4200626-19-03	McClusky	380	Lead service line replacement	50	2022		Moore
43	2801400-19-01	McLean Sheridan RWD	2,244	WTP & distribution system improvements	11,400	2021	20+	AE2S
12	3200636-19-01	McVille	331	WTP improvements	600	2022		Moore
24	4700637-16-01	Medina	300	WTP & well house improvements	800	2021	20+	Moore
69	4700637-16-02	Medina	300	Water main replacement	2,600	2021		Moore
72	4700637-16-03	Medina	300	Water tower replacement	1,000	2021		Moore
244	3200653-13-01	Michigan	345	Water tower improvements	75	2022		Moore
130	4101425-19-01	Milnor	638	Control replacement, booster station renovation, generator, water main	490	2021		Interstate
250	3800695-14-01	Mohall	757	Water main looping	490	2021		Ackerman Estvold
151	3800695-21-01	Mohall	757	Water main replacement	600	2022		Ackerman Estvold
81	3900703-11-01	Mooreton	197	Gate valve replacement, control upgrades, & bladder tank storage	200	2021		Interstate
61	2400715-13-01	Napoleon	707	Service to residents on private wells, water storage, well, meter, & water main replacement	1,000	2021	20+	Moore
184	2100726-20-01	New England	600	Water main replacement & looping	500	2021		Moore
50	1400732-12-01	New Rockford	1,391	Water main replacement & WTP upgrades	5,800	2021	20+	Interstate
118	3000736-16-01	New Salem	911	Refinance of water main replacement- Phase 1	1,283	-		AE2S
119	3000736-20-01	New Salem	911	Refinance of water main replacement- Phase 2	404	-		AE2S
97	3000736-21-01	New Salem	911	Water main replacement- Phase 3	799	2021		AE2S
212	3100744-18-02	New Town	2,524	Water main & service line replacement	406	2021		Ackerman Estvold
193	1200748-18-01	Noonan	144	Water main replacement (Main St)	671	2022		Ackerman Estvold
132	1200748-20-01	Noonan	144	Water main replacement (Washington St)	551	2022		Ackerman Estvold
200	5101189-19-01	North Prairie RWD	11,354	Generators at reservoirs & booster stations	650	2021		Interstate
92	5101189-19-02	North Prairie RWD	11,116	Service to Benedict as individual users	450	2021		Interstate
74	5101189-20-01	North Prairie RWD	11,354	Distribution system improvement	1,250	2021		Interstate
205	5101189-20-02	North Prairie RWD	11,116	Mountrail County rural water expansion	2,500	2021		Interstate
41	1001380-21-01	Northeast RWD	2,900	Pipeline to increase capacity to Adams	700	2021	30	AE2S
173	1001380-21-02	Northeast RWD	2,900	Service to Milton	892	2022		AE2S

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
129	1100758-09-01	Oakes	1,856	Water reservoir, pumping station, & transmission line	720	2021		Moore
189	1100758-11-01	Oakes	1,856	WTP improvements	2,000	2021		Moore
190	1100758-11-02	Oakes	1,856	Well & well house replacement	400	2021		Moore
115	0300762-15-01	Oberon	104	Distribution system replacement	3,100	2021		Moore
111	0300762-15-02	Oberon	104	Well & pump house replacement	550	2021		Moore
51	0200763-09-01	Oriska	128	Reservoir & pump house replacement	550	2021	20+	Moore
222	3100775-21-01	Parshall	903	Water main looping	650	2021		AE2S
251	3100798-16-02	Plaza	171	Hydrant rehab or replacement	530	2021		AE2S
259	0700800-19-01	Portal	150	Water main looping	150	2022		Ackerman Estvold
124	4900803-08-01	Portland	606	Water tower replacement	1,400	2022		Moore
175	2800825-20-01	Riverdale	226	Gate valve replacement	1,217	2021		Ulteig
159	2800825-20-02	Riverdale	226	Raw water supply line replacement	1,752	2021		Ulteig
29	2200827-16-01	Robinson	37	Pumping system improvements & water main, gate valve, hydrant, & curb stop replacement	250	2021	20+	Moore
103	4000834-20-01	Rolla	1,280	Water main, hydrant, lead service line, and storage tank replacement	300	2023		AE2S
58	3500842-20-01	Rugby	2,911	WTP upgrades- Phase 3	1,000	2022		AE2S
57	3500842-21-01	Rugby	2,911	Distribution system replacement	1,500	2022		AE2S
73	3500842-21-02	Rugby	2,911	CO ₂ tank for WTP	180	2022		AE2S
13	3500842-21-03	Rugby	2,911	Raw water line & air release valve replacement	7,700	2022		AE2S
113	4100848-16-01	Rutland	163	Water main replacement & looping	500	2022		Interstate
172	0200858-13-01	Sanborn	194	Water main, service line, gate valve, & hydrant replacement	625	2022		Moore
167	5100868-14-01	Sawyer	367	Water main, gate valve, & hydrant replacement	750	2021		Moore
192	3800877-15-01	Sherwood	256	Water main replacement	414	2021		Ackerman Estvold
56	1400879-15-01	Sheyenne	204	Water main replacement	3,100	2021	30	Moore
131	0500887-20-01	Souris	100	Water main replacement	600	2021		Moore
171	4500891-19-01	South Heart	307	Water main replacement	2,982	2021		Brosz
223	3901068-14-01	Southeast WUD	8,862	Automated meter reading system	2,000	2022		AE2S
177	3901068-20-01	Southeast WUD	8,862	Consolidation or regionalization of water treatment	12,645	2021		AE2S
239	3100898-20-01	Stanley	2,611	Refinance of water main replacement	680	-		Brosz
152	3100898-19-01	Stanley ⁴	2,400	Water main, service line, gate valve, & hydrant replacement	450	2021		Brosz
30	4700922-12-01	Streeter	170	Water main extension & looping	500	2021	30	Moore
21	4700922-13-01	Streeter	170	WTP improvements	500	2021	20+	Moore
16	4700922-13-02	Streeter	170	Well & pump house improvements	860	2021	20+	Moore
20	4700922-19-01	Streeter	170	Water tower replacement	1,000	2021	20+	Moore
63	4701303-19-01	Stutsman RWD	6,600	Service to Streeter	554	2021		Bartlett & West
76	4701303-19-04	Stutsman RWD	6,600	Transmission lines & WTP improvements to accommodate new well	2,930	2021		Bartlett & West
215	5200927-13-01	Sykeston	117	Water main, corporation, curb stop, & hydrant replacement	1,000	2021		Moore

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
107	5301152-16-01	Tioga	2,500	Water main replacement	9,500	2021		Moore
201	0900945-09-01	Tower City	252	Water tower improvements	250	2021		Moore
79	0900945-12-01	Tower City	252	Water main & hydrant replacement	2,100	2021		Moore
176	0900945-19-01	Tower City	252	Refinance of gate valve & service line replacement	600	-		Moore
40	2500946-21-01	Towner	571	Connection to rural water or WTP improvements	2,000	2021	20+	AE2S
54	2800949-20-01	Turtle Lake	575	Water main replacement & looping	600	2021	30	Moore
235	2800953-20-01	Underwood	1,000	Water meter replacement	250	2021		-
260	2800953-21-01	Underwood	1,000	Water tower improvements	185	2021		-
95	2500956-16-01	Upham	133	Water main, gate valve, hydrant, & service line replacement	508	2021		Ackerman Estvold
233	5101074-20-01	Upper Souris WD	1,365	Water meter replacement	550	2021		AE2S
145	5101074-21-01	Upper Souris WD	2,435	Parallel pipelines, pump station improvements, & SCADA to increase flow & pressure	4,072	2022		AE2S
161	0200958-20-01	Valley City	6,585	Water main & service line replacement (7th Ave NW & 2nd Ave NE)	594	2021		KLJ
162	0200958-20-02	Valley City	6,585	2021 water main & service line replacement	825	2021		KLJ
88	0200958-21-01	Valley City	6,585	Water main & service line replacement (6th Ave NW)	350	2022		KLJ
86	2500964-19-01	Velva ⁴	1,265	Water main & service line replacement	588	2021		Ackerman Estvold
27	2300969-12-01	Verona	85	Water main & meter replacement	515	2021	20+	Moore
37	2300969-14-01	Verona	85	Reservoir & pump house replacement	300	2021	20+	Moore
144	2300969-19-01	Verona	85	Water meter replacement	100	2021		Moore
154	3900973-04-01	Wahpeton	7,766	Water main replacement & looping (4th St, Oakwood Court, 8th Ave S, 5th Ave N)	284	2023		-
78	3900973-16-01	Wahpeton	7,766	WTP improvements	10,707	2025		Stantec
133	3900973-18-01	Wahpeton	7,766	Water main replacement (12th St & Loy Ave)	1,326	2022		Interstate
134	3900973-18-03	Wahpeton	7,766	Water main replacement (15th Ave N & 14th St N)	1,102	2024		-
135	3900973-18-04	Wahpeton	7,766	Water main replacement (8th Ave N)	1,715	2023		Interstate
160	3900973-19-01	Wahpeton	7,766	Well field relocation, well house, & controls	6,654	2023		-
194	3900973-20-01	Wahpeton	7,766	Water main & service line replacement (Dakota Ave side streets)	1,098	2022		Interstate
136	3900973-19-02	Wahpeton ⁴	7,766	Water main replacement (2nd St N)	1,196	2021		Interstate
98	5001075-19-01	Walsh RWD	3,358	Service to residents on private wells, pipelines to increase capacity, & interconnection with NRWD	849	2021		AE2S
46	5001075-20-01	Walsh RWD	3,358	Service to Drayton	550	2021	30	AE2S
229	2800989-18-01	Washburn	1,313	Intake, wet well, & pump house	4,657	2021		AE2S
245	5301686-20-01	WAWSA	0	Acquisition of Williston WTP	8,565	-		AE2S
110	5301686-21-01	WAWSA	0	2021 improvements & expansion	28,215	2021		AE2S
181	0900999-19-01	West Fargo	35,000	Water main replacement	2,000	2021		-
234	5101447-16-01	West River WD	650	Service line replacement	453	2021		Ackerman Estvold
196	0501001-09-01	Westhope	429	Water main & service line replacement	462	2021		Ackerman Estvold
157	5301011-20-01	Wildrose	150	Water main replacement	489	2022		Ackerman Estvold
267	5201012-19-04	Williston	30,000	Water main improvements (47th St, 6th Ave, 44th St)	690	2022		AE2S

Priority Ranking	Tracking No.	System Name	Present Population	Project Description	Project Cost (\$1,000)	Construction Start Date	Est. Loan Term ⁵	Engineering Firm
264	5201012-19-05	Williston	30,000	Water main improvements (Borsheim Addition)	2,200	2022		AE2S
265	5201012-19-06	Williston	30,000	Water main improvements (Front St & Reiger Dr)	1,449	2022		AE2S
266	5201012-19-07	Williston	30,000	Water main improvements (Sunset, Kettler, & Morelli Subdivisions)	743	2022		AE2S
148	0801031-18-01	Wilton ⁴	750	Water main replacement	2,946	2021		Ulteig
9	0801036-20-01	Wing	152	Distribution system replacement	1,400	2021	30	Moore
38	0801036-21-01	Wing	152	Chemical feed building & equipment, decommissioning of well house & well, controls & gate valve for water tower	425	2021	20+	Moore
2	0801036-19-01	Wing ²	152	Water tower, water main, hydrant, & gate valve replacement	1,400	2021	20+	Moore
202	2601037-18-01	Wishek	1,002	Water meters and meter reading software	410	2021		Interstate
203	2601037-20-01	Wishek	1,002	Hydrant replacement	350	2021		Interstate
114	2601037-20-02	Wishek	1,002	Iron & manganese removal equipment	1,200	2021		Interstate
35	3901043-08-01	Wyndmere	429	Distribution system improvements	1,000	2022		Bolton & Menk
67	3901043-16-01	Wyndmere	429	Service line, water meter, & SCADA system replacement	1,000	2022		Bolton & Menk
17	3901043-20-02	Wyndmere	429	Distribution system improvements (Phase II & III- from 3rd St to the west)	8,000	2023		Bolton & Menk

Total Project Cost: 636,648

¹ It is unknown at this time if mandatory additional subsidization will apply to the 2021 DWSRF allotment. To address this potential requirement, a funding level of \$2,202,200 has been assumed for additional subsidization (as loan forgiveness). Adjustments will be made, as necessary, based on the actual requirements and capitalization grant amount.

² These projects appear eligible for 75% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

³ These projects appear eligible for 40% loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁴ These projects appear eligible for lead service line replacement loan forgiveness. The actual loan forgiveness amount is dependent upon available funds. Loan forgiveness eligibility will be confirmed when the loan application is submitted.

⁵ Estimated length of the loan term only. The loan term will be set at the time of loan approval.

STATE WATER COMMISSION
 SUMMARY of PROJECT FOUR YEAR PROGRESS REPORTS
 2019-2021 Biennium
 November 19, 2020

Requesting Extension

Project #	Sponsor	Project	Project Category	Approved Date	Total Cost	Cost-Share %	Cost-Share Approved	Total Payments	10/30/2020 Balance
1344-02	Lisbon	Sheyenne River Valley Flood Control Project	Flood Control (flood protection)	08/08/16	\$2,432,000	90%	\$ 2,188,800	\$ 2,084,829	\$ 103,971
1951	Maple River WRD	Lynchburg Channel Improvements	Water Conveyance (rural flood control)	07/06/16	\$3,603,000	35%/45%	\$1,195,126	\$ 377,675	\$ 817,451
1222	Sargent County WRD	Drain No. 11 Channel Improvements	Water Conveyance (rural flood control)	10/12/16	\$3,900,000	35%/45%	\$ 1,417,967	\$ 60,959	\$ 1,351,087
TOTAL					\$ 9,935,000		\$ 4,801,893	\$ 2,523,462	\$ 2,272,509

Completed / Deobligated

1771-01	Grafton	Grafton Flood Control Project (final payment request expected December 2020, estimated balance of \$4,500,000)	Flood Control (flood protection)	10/12/16	\$43,181,250	35%/75%	\$ 32,175,000	\$ 27,126,363	\$ 5,048,637
2373-41	North Prairie Regional WD	Granville-Deering Area	Rural Water	10/24/16	\$8,130,333	75%	\$ 6,097,750	\$ 6,097,750	\$ -
1504-03	Valley City	Valley City Phase II Construction (final payment request expected December 2020)	Flood Control (flood protection)	12/09/16	\$13,600,000	80%	\$ 13,157,600	\$ 12,902,361	\$ 255,239
1344-04	Valley City	Sheyenne River Valley Flood Control Project Ph II	Flood Control (flood protection)	08/29/16	\$1,350,000	85%	\$ 1,147,500	\$ 1,147,500	\$ -
								Total	\$ 5,303,876

Projected Balance \$ 4,755,239



September 8, 2020

Beth Nangare
Cost Share Administrator
ND State Water Commission
900 East Boulevard Ave
Bismarck, ND 58505

Via email: bnangare@nd.gov

Subject: Four Year Progress Report
The City of Lisbon's Sheyenne River Valley Flood Control Project
Preliminary Engineering Levee D & F

Thank you for your letter dated August 19, 2020 regarding the subject project. The City of Lisbon understands the subject project active cost-share agreement with the SWC has a balance of \$103,971.00.

We will be using the balance funds for our work as we pursue LOMR approval from FEMA. We are actively working toward our LOMR approval with FEMA on our flood control project. Initial LOMR documents were submitted to FEMA on August 17, 2020 and are under a 90-day review period with FEMA.

We recently submitted two reimbursement request to the SWC, one for \$12,800 and the second for \$25,520.58 on September 4, 2020 under the subject project. Additional reimbursement requests will be submitted as we work on the LOMR with FEMA.

Inclosing, we will be using the \$103,971.00 balance toward project expenses and requesting additional reimbursements from the SWC in the coming months. Please let me know if you have any questions on this project progress report.

Sincerely,

Tim Meyer,
Mayor



April 30, 2020

Maple River Water Resource District

Rodger Olson
Chairman
Leonard, North Dakota

Gerald Melvin
Manager
Buffalo, North Dakota

Chad Miller
Manager
Buffalo, North Dakota

Carol Harbeke Lewis
Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrд@casscountynд.gov
www.casscountynд.gov

Beth Nangare
Cost Share Program Administrator
North Dakota State Water Commission
900 East Boulevard Avenue
Bismarck ND 58505-0850

Dear Beth:

RE: Lynchburg-Buffalo Project No. 2016-1 – Progress Report

In July 2016, the Maple River Water Resource District (WRD) submitted and was approved for \$1,195,126 in cost-share for the development and construction of Lynchburg-Buffalo Project No. 2016-1 (the “project”). This project consists of reconstructing the Lynchburg Channel, a project originally constructed in 1951 by the SCS, from its outlet at the Maple River (S21-T139N-R51W) to 42nd Street (South edge of S36-T139N-R52W). The approved project consists of approximately five miles of channel reconstruction and three bridge crossing replacements. The preliminary cost-share was based on the estimated total project cost of \$3,603,000. This project represents a portion of the long-term goal to reconstruct all of the Lynchburg Channel.

Once the cost share was approved, the project proceeded with project development and permitting. The WRD worked diligently on permitting while providing ample time to work with the Corp of Engineers on the Section 404 Permit, local landowners and the Natural Resources Conservation Service (NRCS) to ensure that the project would not cause any producer issues with their farm program payments. Time was needed for the local landowners to provide the necessary information to NRCS to allow the WRD to address possible issues. Concurrently, the WRD proceeded with acquiring the right of way necessary for the project. A majority of the property acquisitions went very smoothly; however, there were several property owners that still had their concerns. The WRD made a great effort to work with each landowner to address their issues, but a resolution has not been reached with two of the landowners. The WRD split the project into two phases and proceeded with Phase 1 while continuing to work with the landowners to secure the right of way for Phase 2. A majority of the overall project is currently being constructed as Phase 1. The goal is to construct the downstream portion and proceed with Phase 2 once the remaining landowners come to an agreement with the WRD. The estimated cost of Phase 1 is \$2,033,000 with approximately \$700,000 being eligible for ND SWC cost-share. Phase 1 was on schedule to be completed in the fall of 2019, but historically wet conditions delayed completion of the channel work. Construction is resuming in May 2020, and Phase 1 will be completed during the summer of 2020. A detailed timeline has been provided below.

July 2016
July 2016 – March 2017

ND SWC cost share approved
Design of project, geotechnical investigation,
channel geometry analysis, finalizing full extents
of project footprint

Beth Nangare
Page 2
April 30, 2020

June 2017 – August 2018	Correspondence with NRCS and Corps of Engineers on wetland impacts, concerns, permit, etc.
August 2018	Submittal of Corps of Engineers Section 404 Permit
July 2018 – April 2019	Finalizing right of way acquisition documents, meetings and negotiations with landowners, finalizing Purchase Agreements, etc.
October 2018	Corp of Engineers Section 404 Permit approval, submittal of State <i>Application for Surface Drain</i>
March 2019	Response on State <i>Application for Surface Drain No. 5232</i>
April 2019	Approval of <i>Permit for Surface Drain No. 5232</i>
May 2019	Decision made to proceed with “Phase 1” of the project
May 2019 – June 2019	Finalized plans and bidding documents for Phase 1
July 2019	Phase 1 bid opening
August 2019 – August 2020	Construction of Phase 1
2020	Acquiring remaining right of way
2020 - 2021	Finalizing plans and bidding document for remaining portion (timeline dependent on right of way)
2021 – 2022	Construction of remaining portion of channel

It is the WRD’s intent to complete both phases as soon as possible. The WRD is committed to working with the remaining landowners and completing the project within the original budget to the extent possible.

The Maple River WRD requests an extension of the committed state funding until the end of 2022. The WRD remains committed to this project and future projects to achieve their long term goal of reconstructing the Lynchburg Channel in its entirety.

If you have any questions, please feel free to contact me or the project engineer, James Guler, Moore Engineering, Inc. at 701-282-4692. Thank you.

Sincerely,

MAPLE RIVER WATER RESOURCE DISTRICT



Carol Harbeke Lewis
Secretary-Treasurer



Sargent County Water Resource District

355 Main Street S, Suite 1
Forman ND 58032
Phone: (701) 724-6241 Ext 115
FAX: (701) 724-6244

Lucas Siemieniewski, Geneseo
Bruce Speich, Milnor
Michael Wyum, Rutland
Todd Stein, Cogswell
Roger Zetocha, Stirum

August 24, 2020

North Dakota State Water Commission
900 East Boulevard Ave. Dept. 770
Attention: Beth Nangare
Cost Share Administrator
Bismarck ND 58505-0850

Hi Beth,

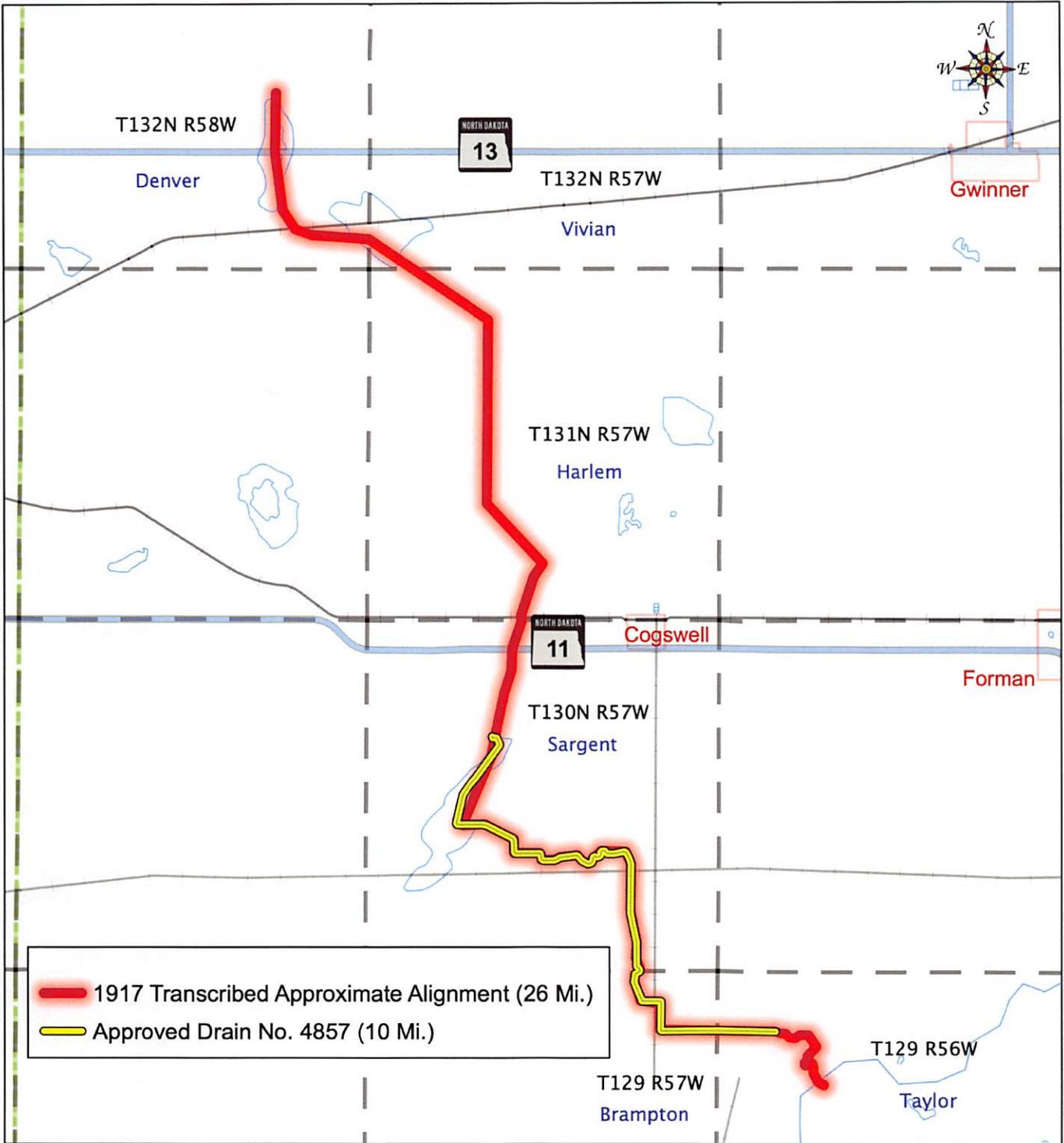
In response to your July 30th letter requesting a progress update on the Drain No. 11 Channel Improvement Projects, the Sargent County Water Resource District would like to request an extension to their cost share agreement approved on September 19, 2016. As staff may know, the Drain No. 11 project was subject to a lawsuit from May of 2017 until a favorable ruling by the North Dakota Supreme Court in February of 2019. During the duration of the lawsuit, the Sargent County WRD was required to stop all design work in order to stay eligible for SWC cost share. The nearly two-year long lawsuit has set back the project an equivalent amount of time. The WRD is currently 90% complete with the final project design, is currently acquiring right-of-way, and is anticipating a final COE permit in the near future. As soon as the final right-of-way and permits are obtained, the project will go out for construction bids with an approximate nine-month construction period.

We would greatly appreciate the SWC's approval of an extension of the Drain No. 11 Channel Improvement Project cost share agreement. If you have any questions, please feel free to contact our engineer Chris Gross, Moore Engineering, Inc., or myself.

Thank you and have a great day.

Sincerely,

Sherry Hosford, Secretary-Treasurer
Sargent County Water Resource District



Date: 12/9/2020
Prepared by: CWN

Sargent County Assessment Drain 11

Amendment 2 to NAWS AGREEMENT FOR ENGINEERING SERVICES

1. **Background.** In June 1996 the State of North Dakota, acting through the State Water Commission (Commission) and Houston Engineering, Inc. (Houston) entered into the Agreement for Engineering Services (1996 Agreement). In December of 2009 the 1996 Agreement was amended to modify indemnification and insurance provisions to align with the Risk Management Plan for the State of North Dakota, as well as extending the 1996 Agreement through December 31, 2019.

2. **Intent.** The intent of the parties here is to amend the 1996 Agreement.

3. **Agreement.** Commission and Houston agree to amend, and hereby do amend the 1996 Agreement as follows:

Replace the date “December 31, 2019” in Paragraph 4.1 of the 1996 Agreement with the following date: “December 31, 2029.”

IN WITNESS WHEREOF, the parties execute this amendment on the date specified below.

NORTH DAKOTA STATE WATER COMMISSION

900 East Boulevard Avenue
Bismarck, ND 58505

By: _____

Title: _____

Date: _____

Approved and entered into by resolution of the State Water Commission this _____ day of _____, 2020.

Secretary and Acting State Engineer

HOUSTON ENGINEERING, INC.

By: _____

Title: _____

Date: _____

MEMORANDUM

TO: Governor Doug Burgum
Members of the State Water Commission

FROM: John Paczkowski, P.E., Interim Chief Engineer - Secretary

SUBJECT: Capital Repayment and REM Rates for 2021 and SWA Budget - Update

DATE: December 8, 2020



Under the agreement for the Transfer of Management, Operations, and Maintenance Responsibilities for the Southwest Pipeline Project, (Transfer Agreement) the Southwest Water Authority (SWA) must prepare a budget by December 15 of each year and submit it to the Secretary of the State Water Commission (SWC). The SWC received the budget on November 13, 2020. This budget is deemed approved unless the Chief Engineer-Secretary notifies the Authority of the Commission's disapproval by February 15.

SWA Budget:

Water rates are a primary component of the Authority's budgeting process. The SWC approves the capital repayment rate and Replacement and Extraordinary Maintenance (REM) rate explicitly by SWC action.

An amendment to the Transfer Agreement established the Consumer Price Index (CPI) in effect on September 1st (August CPI) as the basis for determining the capital repayment. In accordance with the amended Transfer Agreement, the September 1st CPI was used to calculate the capital repayment rate for 2021. The September 1st CPI this year was 259.9 versus 256.6 last year. The new capital repayment rates are \$1.25 per thousand gallons for contract users and \$38.11 per month for rural users. These compare with 2020 rates of \$1.23 per thousand gallons for contract users and \$37.62 per month for rural users. The 2020 Capital Repayment rate for the Morton County users is \$29.80. Applying the CPI adjustment to this figure results in a 2020 rate for these users of \$30.19 per month. The spreadsheet showing the calculation is attached to this memo (Attachment 1). The 2021 budget estimates a total of \$5.35 Million in capital repayment from all Southwest Pipeline Project customers.

The rate for replacement and extraordinary maintenance (REM) was set by the Commission at its February 9, 1999, meeting at \$0.35 per thousand gallons. The original rate of \$0.30 per thousand gallons had been set in 1991. The SWA Board of Directors voted to increase the REM rate to \$0.40 per thousand gallons for their 2013 budget. The REM rate was increased from \$0.40 to \$0.50 per

Capital Repayment and REM Rates for 2021 and SWA Budget Memo - Update

Page 2

December 8, 2020

thousand gallons in 2014, \$0.50 to \$0.55 per thousand gallons in 2015 and \$0.55 to \$0.65 per thousand gallons in 2016. For 2017, the SWA Board of Directors approved a water rate with no REM rate increase. For 2018, the REM rate was increased \$0.05 to \$0.70 per thousand gallons. For 2019, 2020 and 2021, the SWA Board of Directors approved a water rate with no REM rate Increase. The 2021 budget shows a total REM income of \$2.05 Million.

The SWA's budget proposes a \$12.00 per thousand gallons water rate for oil industry contracts. The oil industry rate is not changed for 2020. The breakdown of the general oil industry rate is as follows: One third will be towards capital repayment, one third towards REM and the remaining third to SWA. For the SWA's water depot east of Dickinson, one fourth will be towards capital repayment, one fourth towards REM and the remaining half towards SWA. Higher percentage is allocated to SWA in order to mitigate SWA's maintenance cost at this depot and to help SWA fulfil their contract for purchasing Automatic Meter Reads.

The SWA's water rate for the contract customers in 2021 increases from \$5.50 to \$5.60 per thousand gallons. The increase of \$0.10 is the total of \$0.02 increase in capital repayment, \$0.06 in treatment and \$0.02 increase in transmission reserve rate.

The minimum monthly rate for rural customers in 2021 is increasing from \$49.00 to \$50.00. The breakdown of the monthly minimum is \$38.11 towards capital repayment and \$11.89 towards the operations and maintenance fee. The SWC receives \$5.00 of operation and maintenance fee for the first two years, and then it goes to the SWA for fixed operation and maintenance. The usage rate for the rural customers increased from \$6.26 to \$6.36 per thousand gallons. The increase of \$0.10 is the total of \$0.06 increase in treatment, \$0.02 in transmission reserve and \$0.02 increase in distribution operation and maintenance.

Summary of the water rates discussed in the memo is included as Attachments 2 and 3.

Budget projections indicate the SWA will end 2021 with 4.86 months in operations and maintenance reserve.

Included in the SWA's budget is the budget for the REM funds. The estimated beginning balance in REM funds for 2021 is \$23.41 Million; estimated income for 2021 is \$2.05 Million; and estimated expenses for 2021 is \$3.45 Million for a year-end balance of \$22.01 Million. The possible expenses for 2021 from the REM fund include pump and motor replacements, air vacuum and blow off replacement, SCADA upgrades retainage payment, pipe relocation in road rights-of-way, cathodic protection of steel vaults, bid alternates approved on Contract 4-1E/4-2B, replacement of SCADA computers, replacement of 2-3E pipeline in Decker subdivision, recoating of Davis Buttes reservoir and replacement of automatic meter read equipment which will become inoperable because of retirement of a satellite.

December 8, 2020

I recommend that the State Water Commission establish 2021 Capital Repayment and REM rates as follows:

Capital Repayment for contract and rural customers: \$1.25 per thousand gallons for contract users, \$30.19 for rural users in Morton County with water service from Missouri West Water System, \$38.11 per month for other rural users. Capital Repayment for oil industry contracts: \$3.00 per thousand gallons for Dickinson Water Depot and \$4.00 per thousand gallons for other oil industry contracts.

REM Rate: \$0.70 per thousand gallons for the contract users, \$0.80 per thousand gallons for rural users, \$3.00 per thousand gallons for the SWA's Dickinson Water Depot and \$4.00 per thousand gallons for other oil industry contracts.

JP:SSP;pdp/1736-99

Attachments

December 8, 2020

ATTACHMENT 1
SOUTHWEST PIPELINE PROJECT
CAPITAL REPAYMENT
2021

CAPITAL REPAYMENT RATE FOR 2021

CONTRACT RATES

September 2020 (August 2020) CPI:		259.9
Adjustment to Base:	0.3338279	778.5
Change from 448.4:		1.7
Adjustment:		\$ 0.53
Base Capital Repayment Rate:		\$ 0.72
Adjusted Capital Repayment Rate (2021 rate)		\$ 1.25
2020 Rate:		\$ 1.23
Change from 2020 Rate		\$ 0.02

RURAL RATES

Base Capital Repayment Rate:		\$ 21.95
Adjustment:		\$ 16.16
2020 Inflation (Oct-Sep)		1.31%
2021 Rate:		\$ 38.11
2020 Rate:		\$ 37.62
Change from 2020 Capital Repayment Rate		\$ 0.49
Rural Minimum for 2020		\$ 49.00
Increase in Capital Repayment Rate		\$ 0.49
Increase in O&M Rates		\$ 0.51
2021 minimum		\$ 50.00
Capital Repayment for customers who tie into MWWS - 2020		\$ 29.80
Change from 2020 Rate		\$ 0.39
2021 Rate		\$ 30.19

ATTACHMENT 2

Capital Repayment Rates

Customer	2020 Rate	2021 Rate	Change
Contract Customer	\$ 1.23	\$ 1.25	\$ 0.02
SWA Rural Customer	\$ 37.62	\$ 38.11	\$ 0.49
Morton County Customer	\$ 29.80	\$ 30.19	\$ 0.39
Oil Industry Rate - SWA Depot	\$ 3.00	\$ 3.00	\$ -
Oil Industry Rate - Others	\$ 4.00	\$ 4.00	\$ -

REM Rates

Customer	2020 Rate	2021 Rate	Change
Contract Customer	\$ 0.70	\$ 0.70	\$ -
SWA Rural Customer	\$ 0.80	\$ 0.80	\$ -
Morton County Customer	\$ 0.80	\$ 0.80	\$ -
Oil Industry Rate - SWA Depot	\$ 3.00	\$ 3.00	\$ -
Oil Industry Rate - Others	\$ 4.00	\$ 4.00	\$ -

ATTACHMENT 3

Water Usage Rate

Customer	2020 Rate	2021 Rate	Change	Comments
Contract Customer	\$ 5.50	\$ 5.60	\$ 0.10	Includes \$0.02 For Capital Repayment, \$0.06 for treatment, and \$0.02 for Transmission Reserve
Rural Customer	\$ 6.26	\$ 6.36	\$ 0.10	Includes \$0.06 for treatment, \$0.02 for Transmission Reserve and \$0.02 for Distribution Operation and Maintenance

Rural Water Base Rate

Customer	2020 Rate	2021 Rate	Change
Rural Customer	\$ 49.00	\$ 50.00	\$ 1.00

MEMORANDUM

TO: Governor Doug Burgum
Members of the State Water Commission 

FROM: John Paczkowski, P.E., Interim Chief Engineer - Secretary

SUBJECT: SWPP – SWC funding for metallic pipeline replacement - Update

DATE: December 9, 2020

The existing infrastructure for Southwest Pipeline Project includes around 125 miles of metallic pipelines. Out of the 125 miles, 78 miles is polyethylene encased ductile iron pipe while the remaining 47 miles is dielectric tape wrapped welded steel pipe. Except for Contract 2-1B, which includes approximately 4 miles of 30" dielectric tape wrapped welded steel parallel piping from intake to the Oliver Mercer North Dunn water treatment, the other metallic pipelines were installed between 1986-1994. Contract 2-1B was constructed between 2017-2018.

In the recent years, we have had multiple failures on the ductile iron pipelines. Attachment 1 is a map showing the metallic lines on SWPP and the failure locations. In 2016, approximately 450 ft of the Contract 2-3E pipeline south of Dickinson was replaced following a leak repair that indicated the pipe had corroded in the vicinity. The leak location was near the location of an earlier leak repaired in 2004. The total cost for replacement in 2016 was \$435,000.

In December 2019, another failure happened at a different location on the Contract 2-3E pipeline. Approximately, 1,600 ft of pipeline is currently getting replaced. The estimated cost for replacement is \$1 Million dollars. Both the above projects were approved for funding from the REM funds.

In May 2020, a leak occurred on the Contract 2-3A pipeline east of Dickinson near Taylor. The leak repair took more than 40 hours. A preliminary assessment of the pipeline indicates around 1,800 ft of pipeline needs replacement. The preliminary estimated cost for replacement is \$1.8 Million. The letter dated May 21, 2020 from SWA which was included in the June 2020 State Water Commission packet and included again in this memo as Attachment 2, requested support and Project funding for replacement of metallic lines. At the November 2020, SWA Board of Directors meeting, the Board approved requesting construction funding for the Contract 2-3A replacement project.

December 9, 2020

Testing has confirmed that microbes that cause Microbiologically Induced Corrosion (MIC) were present at the 2016 and May 2020 leak locations. MIC is suspected in all four of these leak incidents.

SWPP has Replacement and Extraordinary Maintenance (REM) fund which is required by authorizing legislation. Any project which is over \$20,000 and is for replacement and maintenance of extraordinary nature were funded out of the REM funds. The use of REM funds must be approved by both the SWA Board of Directors and SWC. SWPP customers pay into the REM fund through their water rates. The REM rate was initially set at \$0.30/1,000 gallons in 1993 and has increased to \$0.70/1,000 gallons for contract customers and \$0.80/1,000 gallons for rural customers. This is 12.5 percent of the 2021 water rate for both contract and rural customers. Use of REM funds for very expensive replacement projects could drain that fund quickly. The fund was not intended for the full-scale replacement of the entire Project, or for replacement of major components of the project such as extensive pipeline segments, pump stations, or treatment plants. Since Project funding was not used for replacement projects so far, we are bringing it to the Commission for discussion.

Southwest Water Authority is requesting Project funding from SWC for the replacement of the metallic line failures as they are concerned that these failures are not isolated, and more instances of metallic line failures are possible in the future. Some of the options for the Commission are:

Option 1: Approve SWPP's Project funding for replacement of Contract 2-3A pipeline. Approval of Project funding for replacement will count towards the total funding allocation for SWPP.

Option 2: Approve use of REM funds for the 2-3A replacement project and assessment of all metallic pipelines on the SWPP. The information from the assessment of metallic lines should be shared with the Commission and based on that information, future funding for metallic line replacements will be considered.

From 1998-2019, approximately \$5 Million dollars were spent on REM projects. Through 2021 another \$3.5 Million dollars is estimated for REM expenditures. The 2021 budget approved by the SWA Board of Directors estimates the 2021 year ending balance of \$22 Million for REM fund. The current total construction cost of the SWPP is \$400 Million.

SWPP – SWC Funding for metallic pipeline replacement - Update

Page 3

December 9, 2020

Replacement of the Contract 2-3A pipeline is very critical for the SWPP. Because of the compromised condition of the 2-3A main transmission pipeline SWA staff is not comfortable running two large pumps at the Richardton pump station. The design for the replacement pipeline is expected to happen over the winter months. Construction is expected during Summer of 2021 as the lead time for the pipe may be significant.

If use of Project funding from SWC is approved for the replacement of the Contract 2-3A pipeline, the design and construction will be managed by the SWC staff.

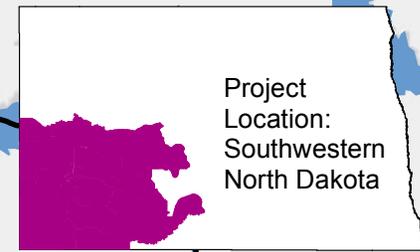
I recommend the State Water Commission approve the use of Replacement and Extraordinary Maintenance funds for the 2-3A replacement project and assessment of all metallic pipelines on the SWPP.

JP:SSP:pdp/1736-99

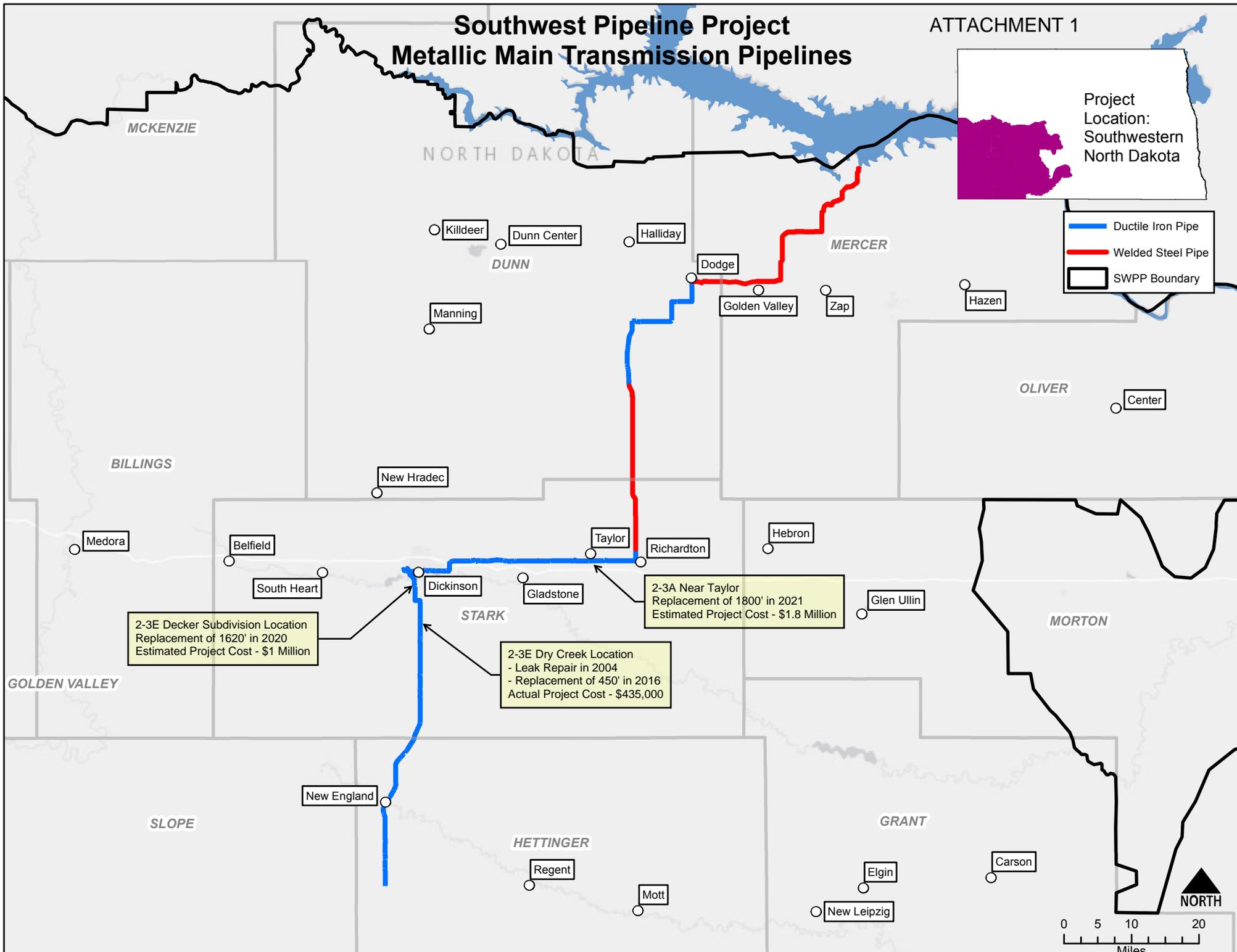
Attachments

Southwest Pipeline Project Metallic Main Transmission Pipelines

ATTACHMENT 1



- Ductile Iron Pipe
- Welded Steel Pipe
- SWPP Boundary



2-3E Decker Subdivision Location
Replacement of 1620' in 2020
Estimated Project Cost - \$1 Million

2-3E Dry Creek Location
- Leak Repair in 2004
- Replacement of 450' in 2016
Actual Project Cost - \$435,000

2-3A Near Taylor
Replacement of 1800' in 2021
Estimated Project Cost - \$1.8 Million





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

May 21, 2020

Mr. John Paczkowski, P.E., Interim State Engineer & Secretary
North Dakota State Water Commission
900 East Boulevard Avenue
Bismarck, ND 58505

RE: SWPP Funding for the 2019-2021 Biennium, Including Strategic Distribution System Improvements

Dear John:

I am writing you today requesting the North Dakota State Water Commission's (SWC) commitment moving forward with the current plans for the Southwest Pipeline Project (SWPP).

The SWPP is challenged to serve additional customers throughout the Project Service Area. Southwest Water Authority (SWA) and the SWC have developed a three-prong approach to serve the region in southwest North Dakota. To move forward with the plans, your commitment is critical.

This three-prong approach was presented in the letter to the SWC dated June 3, 2019, to then State Engineer, Garland Erbele. We have continued to move forward, but are at the point where the SWC's firm commitment is needed. This approach includes:

1. Increasing capacity system-wide in both raw and treated water capacity
2. Strategic hydraulic improvements to allow potential customers on the Project
 - a. Current waiting list is 760 locations – it is our intent to move forward with a financial commitment from potential customers, but we cannot without the SWC's resolve
3. Phased development plan for rural areas

SWA is currently in the easement acquisition phase for main transmission pipelines (MTLs). These MTLs are for increasing potable water capacity in all directions for the regions served from the water treatment plants (WTP) in Dickinson. These MTLs could be ready for bid within the next two months. The attached spreadsheets define the estimated costs for each.

SA219, the *Preliminary Design of Distribution System Expansion Engineering Report*, has provided both the SWC and SWA with strategic improvements to allow waiting list users to sign up and build their lines. Several areas have been identified for possible strategic capacity improvements that

would allow additional subsequent users to connect to the Project. A subsequent user is one who has applied for service from the Project after construction has been completed in a service area. A hydraulic analysis is completed to determine if the addition of the user would negatively impact existing users. If there is no impact, the user is allowed to pay for and construct their own connection to the pipeline, generally at a cost to themselves exceeding \$10,000. These are people who definitely want Project water! Currently, the Project serves 7,273 active accounts, with 2,343 of those being subsequent users. It is important to note that subsequent users represent nearly 1/3 of all the active accounts on the SWPP. This is more users than some other rural water systems have in their entire system. This reflects the desire and need for an adequate supply of good quality drinking water in southwest North Dakota. The additional capacity built in the system is gone. It has proved, beyond a shadow of a doubt, just how important the SWPP and quality water is to our region.

SWA is also asking for support and Project funding with the metallic MTLs in the system. Just this last week, we experienced our fourth failure in a ductile iron MTL due to corrosion. SWA has lost confidence in the integrity of the ductile iron pipeline. This last repair was on the 30 inch raw water line to Dickinson at a location east of Taylor. It was a more than 40-hour repair. We were genuinely concerned with keeping our region in drinking water. Red Trail Energy was also out of process water from Thursday until Monday. The integrity of the system and capability of adequate flows are at stake.

The first repair of this sort was a 29-hour repair of the 16 inch MTL south of Dickinson in 2004, followed by another one nearby in 2016. After that repair a 450 foot section of that pipe was replaced, also in 2016. We are currently working on a replacement project for a 1,500 foot section of 16 inch MTL at a different location just south of Dickinson. It is estimated this repair will cost about \$1 million. We have spent Replacement and Extraordinary Maintenance (REM) funds for the 2016 repair. However, with the repairs themselves running a million dollars each, and this being of such an extraordinary nature, I am requesting construction funds be made available for these repairs. The REM Fund was established by the Legislature in 1983, but was not established for wholesale replacement of large-ticket Project components. It was established for items such as repainting water reservoirs, replacing pumps, valves, and other smaller items; it is simply not adequate for replacing large sections of main transmission pipelines. We have just started the investigation on the raw water line break near Taylor, so there is no current cost estimate or adequate knowledge of the situation at this location. We are researching the reasons for the new found failures in the system. The metallic MTL has an impressed current cathodic protection system we monitor and maintain. It appears that microbiologically influenced corrosion is taking place beneath the polyethylene encasement on the ductile iron pipe in certain areas with high sulfates in the soil and very wet conditions. This was confirmed at the 2004 and 2016 failure locations and is suspected for the two more recent failure locations.

I am including the map of the pipelines for the MTL construction easement acquisition phase. Also included are the summary of the system strategic improvements along with a "Top Ten" list for the

Project, the Proposed Construction Projects Estimated Costs for this construction year and next, and one map of the Davis Buttes Service Area Improvement DB-4 showing the subsequent users hooked up after construction was complete.

The Sixty-Sixth Legislative Assembly approved buckets for funding in the current biennium via Senate Bill 2020. Legislative intent was for \$25.5 million of the Capital Assets bucket to be appropriated to the SWPP.

Quality of life is possible because of teamwork and our steadfast dedication to those we serve. Southwest North Dakota will keep growing with additional capacity for the SWPP, and its award-winning, quality water. **Quality Water for Southwest North Dakota** only continues with our sustained working together.

SWA respectfully requests your consideration for funding and constructing Project enhancements as you are able.

Sincerely,



Mary Massad
Manager/CEO
Southwest Water Authority

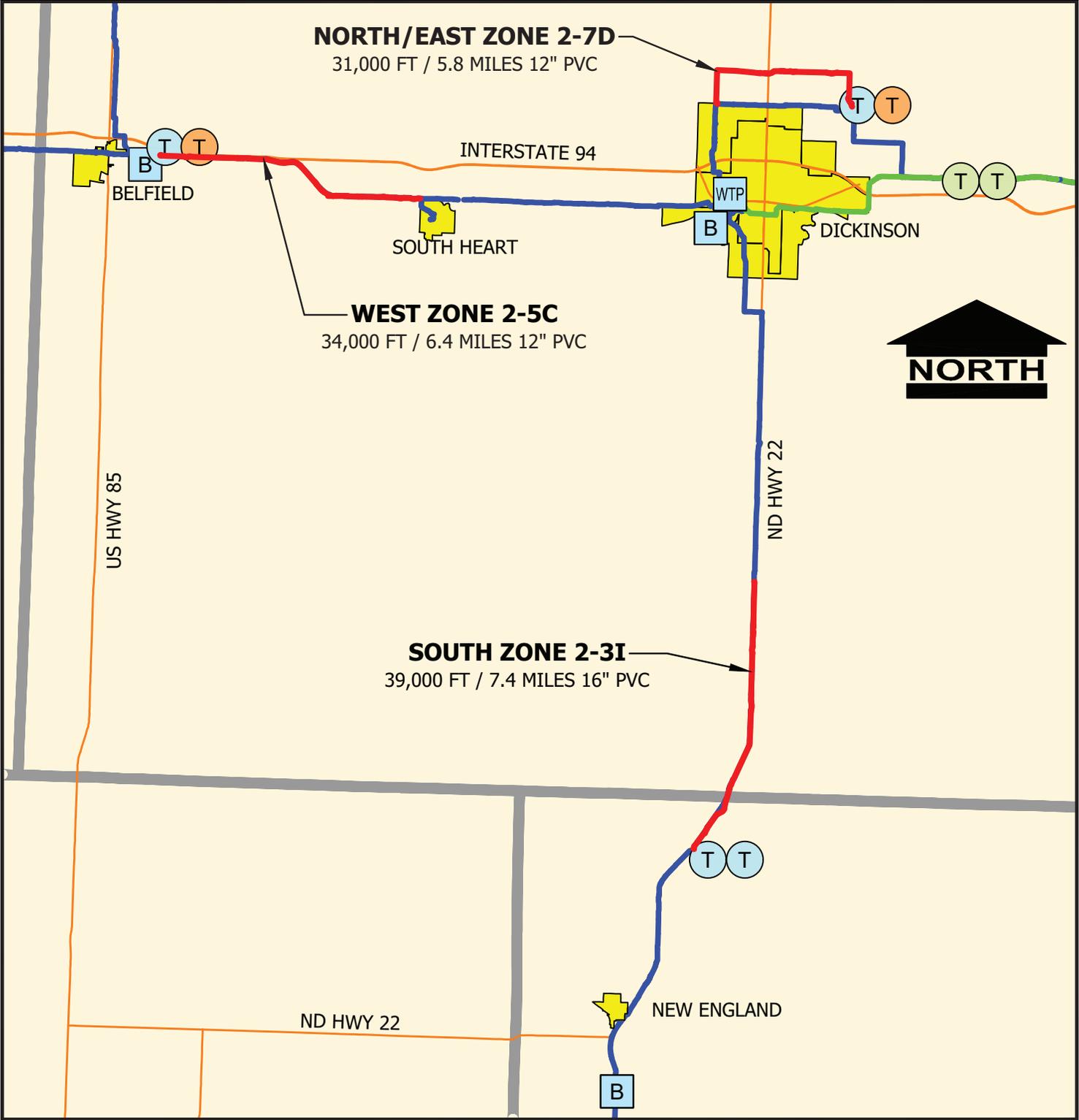
Enclosures:

- Main Transmission Line Map
- Strategic Improvements Summary (SA219)
- "Top Ten" Strategic Improvements List
- 2019-2020 Construction Projects Estimated Costs
- 2020-2021 Construction Projects Estimated Costs
- SWPP Project Service Area Waiting List Map
- Davis Buttes Service Area Improvement DB-4 Map

Electronic Copy:

- The Honorable Rich Wardner, Senate Majority Leader, North Dakota State Legislature
- The Honorable Don Schaible, Director, SWA
- The Honorable Jim Schmidt, Chairperson, Water Topics Overview Committee
- Commissioner Steven Schneider, SWC, Little Missouri River Basin
- Sindhuja S. Pillai-Grinolds, P.E., Project Manager, SWC
- Jim Lenington, P.E., Project Manager, Bartlett & West

Drawing Name: F:\Proj\3000\3033\A20\AutoCad\Plan Set\3033_A20_C_General.dwg Layout Name: System Map for SWWA Plotted By: DJH01125 Plotted on: 3/5/2020 3:46:30 PM



LEGEND OF MTL FACILITIES

- POTABLE WATER PIPELINE
- RAW WATER PIPELINE
- FUTURE WATER PIPELINE
- STATE & US HIGHWAYS
- T RESERVOIR (POTABLE)
- T RESERVOIR (RAW WATER)
- T RESERVOIR (FUTURE)
- WTP WATER TREATMENT PLANT
- B PUMP STATION (POTABLE)
- B PUMP STATION (RAW WATER)
- B PUMP STATION (FUTURE)

Table 2: Strategic Improvement Summary

Service Area Improvement Number	Description of Improvement	Additional Users	Cost	Cost Per ESU
Beach Service Area				
BA-1	Upgrade 5,200 feet of 3-inch pipe with higher class 3-inch pipe. Add a small booster. Add a Type 3 PRV. Add a Type 2 PRV. All done on branch line that goes north of Home on The Range.	6.5 waiting list ESU	\$352,000	\$54,154
BA-2	Addition of Golva SA Tank to help the Beach SA	N/A	\$1,272,000	N/A
BA-3	Parallel 21,600 feet of 2-inch pipe with 2-inch. Parallel 13,980 feet of 3-inch pipe with 3-inch. Parallel 53,600 feet of 4-inch pipe with 4-inch. Parallel 32,800 feet of 6-inch pipe with 6-inch. Add a small booster. Add a PRV crossover.	37 waiting list ESU	\$2,522,000	\$68,162
Belfield Service Area				
BF-1	Parallel 6,250 feet of 2-inch pipe with 3-inch pipe in area NE of Belfield Tank and Booster location	2 waiting list ESU*	\$74,000	\$37,000
Burt Service Area				
BU-1	Add 2 boosters downstream of the Coffin Buttes VFD Booster	7 waiting list ESU*	\$622,000	\$88,857
BU-2	Add a booster downstream of the PLC VFD Booster	7 waiting list ESU*	\$261,000	\$37,286
BU-3	Add a booster north of Carson and parallel 12,000 feet of 3-inch pipe just north of Carson	5.5 waiting list ESU*	\$404,000	\$73,455
Davis Buttes Service Area				
DB-1	Parallel 31,000 feet of 12-inch MTL from RCPS to Davis Buttes Reservoir	N/A	\$1,484,000	N/A
DB-2	Additional 22,000 feet of 6-inch pipe from 12-inch MTL to 6-inch west branch line and a prefabricated control vault/PRV	23 ESU	\$793,000	\$34,478
DB-3	Parallel 1 mile of 4-inch pipe north of the Davis Buttes Reservoir	29.5 ESU	\$92,000	\$3,119
DB-4	Add a Taylor Elevated Reservoir for area downstream of Davis Buttes Reservoir. Reservoir is 300kgal, 160 feet to overflow, 300 service units.	58.5 waiting list ESU*	\$1,890,000	\$32,308

Service Area Improvement Number	Description of Improvement	Additional Users	Cost	Cost Per ESU
Fairfield Service Area				
FF-1	Parallel 5,300 feet of 4-inch pipe with 4-inch pipe through Grassy Buttes. Parallel 11,000 feet of 3-inch pipe with 3-inch pipe north of Grassy Buttes.	39 waiting list ESU*	\$223,000	\$5,718
FF-2	Parallel pipe west and southwest of Fairfield Tank.	N/A	N/A	N/A
Fryburg Service Area				
FB-1	Parallel 3,400 feet of 2-inch pipe with 3-inch pipe	9 waiting list ESU*	\$41,000	\$4,556
Golva Service Area				
GV	There are no improvements that need to be done to serve the WL users in the Golva SA.	N/A	N/A	N/A
Halliday Service Area				
HL-1	Add users Conald Havelka, Dori Hauck, and Brent Kautzman	N/A	N/A	N/A
Jung Lake Service Area				
JL-1	Parallel 2 miles of 10-inch pipe with 10-inch pipe somewhere between the Burt Booster Pump Station and the first mainline PRV upstream.	N/A	\$628,000	N/A
Killdeer Mountain Service Area				
KM-1	Parallel 18,000 feet of 4-inch pipe with 4-inch pipe north of the Killdeer Mountain BPS	36.5 waiting list ESU*	\$312,000	\$8,548
KM-2	Add a new 4-inch line to the SE part of the service area so a couple of the multiple subdivisions on the waiting list could be added.	56 subdivision waiting list ESU*	\$520,000	\$9,286
New England Service Area				
NE-1	Parallel existing pipe with 27,000 feet of 4-inch pipe. Didn't include recommendation for waiting list 25GPM contract user Justin Hausner.	20 waiting list ESU*	\$469,000	\$23,450
NE-2	Parallel existing pipe with 20,400 feet of 3-inch pipe. This is for 25GPM contract to disconnected Account #3698	N/A	\$242,000	N/A
NE-3	Parallel 43,500 feet of 14-inch MTL from the New England Reservoir to the Jung Lake Booster Pump Station. Parallel 2,400 feet of 2-inch pipe.	18.75 waiting list ESU	\$2,897,000	\$154,507

Service Area Improvement Number	Description of Improvement	Additional Users	Cost	Cost Per ESU
New Hradec Service Area				
NH-1	Parallel 9,000 feet of 6-inch pipe from New Hradec Tank to New Hradec Booster and parallel 16,500 feet of 4-inch pipe south and west of Manning	16.5 waiting list ESU*	\$539,000	\$32,667
NH-2	Add a booster downstream of the New Hradec Booster	21 waiting list ESU*	\$347,000	\$16,524
NH-3	Upgrade 5,500 feet of pipe downstream of the PRV that is north of the old New Hradec Tank location	4 waiting list ESU*	\$96,000	\$24,000
Twin Buttes Service Area				
TB-1	Parallel 20,000 feet of 4-inch pipe with 4-inch pipe going to Amidon. Add a small booster on the 4-inch line. Add a 75,000-gallon ground reservoir. Add 9,000 feet of 6-inch pipe to reservoir and back.	30 ESU	\$1,379,000	\$45,967
TB-2	Upgrade existing Scranton BPS to two 75 hp pumps, add Scranton Tank, add Bowman BPS, parallel one mile 14-inch PVC, and 14-inch crossing of Cedar Creek	N/A	\$3,248,000	N/A

Southwest Pipeline Project Strategic Improvement "Top-Ten" List

Service Area Improvement Number	Description	Additional Users, ESU	Cost	Cost per ESU	Rank
DB-3	Parallel 1 mile of 4" pipe north of the Davis Buttes Reservoir	14.5 29.5	\$92,000	\$6,210 \$3,119	1
FB-1	Parallel 3,400' of 2" pipe with 3" pipe	9	\$41,000	\$4,556	2
FF-1	Parallel 5,300' of 4" pipe with 4" pipe through Grassy Buttes. Parallel 11,000' of 3" pipe with 3" pipe north of Grassy Buttes.	39	\$223,000	\$5,718	3
KM-2	Parallel 18,000' of 4" pipe with 4" pipe north of the Killdeer Mountain BPS	36.5	\$312,000	\$8,548	4
NH-2	Add a booster downstream of the New Hradec Booster	21	\$347,000	\$16,524	5
TB-1*	Parallel 11,500' of 4-inch pipe with 4-inch pipe. Add small booster on 4-inch pipeline.	8 13	\$459,000	\$57,375 \$35,307	6
DB-4	Add a Taylor Elevated Reservoir for area downstream of Davis Buttes Reservoir. Reservoir is 300kgal, 160' to overflow, 300 service units.	58.5	\$1,890,000	\$32,308	7
BA-2	Golva Tank		\$1,272,000		10
TB-1	Parallel 20,000' of 4" pipe with 4" pipe going to Amidon. Add a small booster on the 4" line. Add a 75,000 gallon ground reservoir. Add 9,000' of 6" pipe to reservoir and back.	20 30	\$1,379,000	\$68,950 \$45,967	

Totals, excluding Twin Buttes-1

186.5

Notes: Need to find out about McKenzie County Rural Water District plans. That is a definite possibility. If we get a supplemental supply there is reduced need for Golva Tank based on project criteria. We may also be able to do a variation of Beach Service Area-2 that serves some but not all of those waiting list users. We also could do a variation of New England Service Area-1 but need to verify waiting list user numbers and locations.

NH-1	Parallel 9,000' of 6" pipe from New Hradec Tank to New Hradec Booster and parallel 16,500' of 4" pipe south and west of Manning	16.5	\$539,000	\$32,667	
NH-3	Upgrade 5,500' of pipe downstream of the PRV that is north of the old New Hradec Tank location	4	\$96,000	\$24,000	
NE-1	Parallel existing pipe with 27,000' of 4" pipe. Didn't include recommendation for waiting list 25GPM contract user Justin Hausner.	20	\$469,000	\$23,450	
TB-2	Upgrade existing Scranton BPS to two 75 hp pumps, add Scranton 400kgal Reservoir, add Bowman BPS, parallel pipe at Cedar Creek. Twin Buttes Tank currently 36% undersized.		\$3,248,000		



2019-2020 Construction Projects



Contract	Description	Estimated Project Cost
2020-2021		
2019-1	Blowoff Replacements	\$300,000
	Raw Water Main Transmission Line Blowoff Upgrades	
	Upgrades needed due to new pumps at Dodge and Richardton Pump Stations	
	Bid opening August 13, 2019/substantial completion May 31, 2020	
5-13A	2nd Davis Buttes Reservoir	\$1,800,000
	1 Million Gallon Ground Storage Reservoir, 60' diameter x 47' high	
	Capacity upgrades/reudndancy/resiliency	
	Bid opening September 17, 2019/substantial completion October 30, 2020	
5-9A	2nd Belfield Reservoir	\$1,500,000
	750,000 Gallon Ground Storage Reservoir, 52' diameter x 47' high	
	Capacity upgrades/redundancy/resiliency	
	Bid opening September 17, 2019/substantial completion October 30, 2020	
	Rural Water Hydraulic Improvements	\$2,500,000
	Potential Customers on Waiting Lists	
	Distribution system improvements to allow growth	
	Preliminary Design Report expected April 2020	
	SWC Agency Operations	\$450,000
Total Estimated 2019 - 2020 Costs		\$6,550,000



2020-2021 Construction Projects

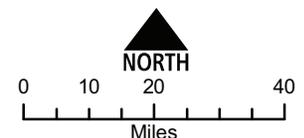
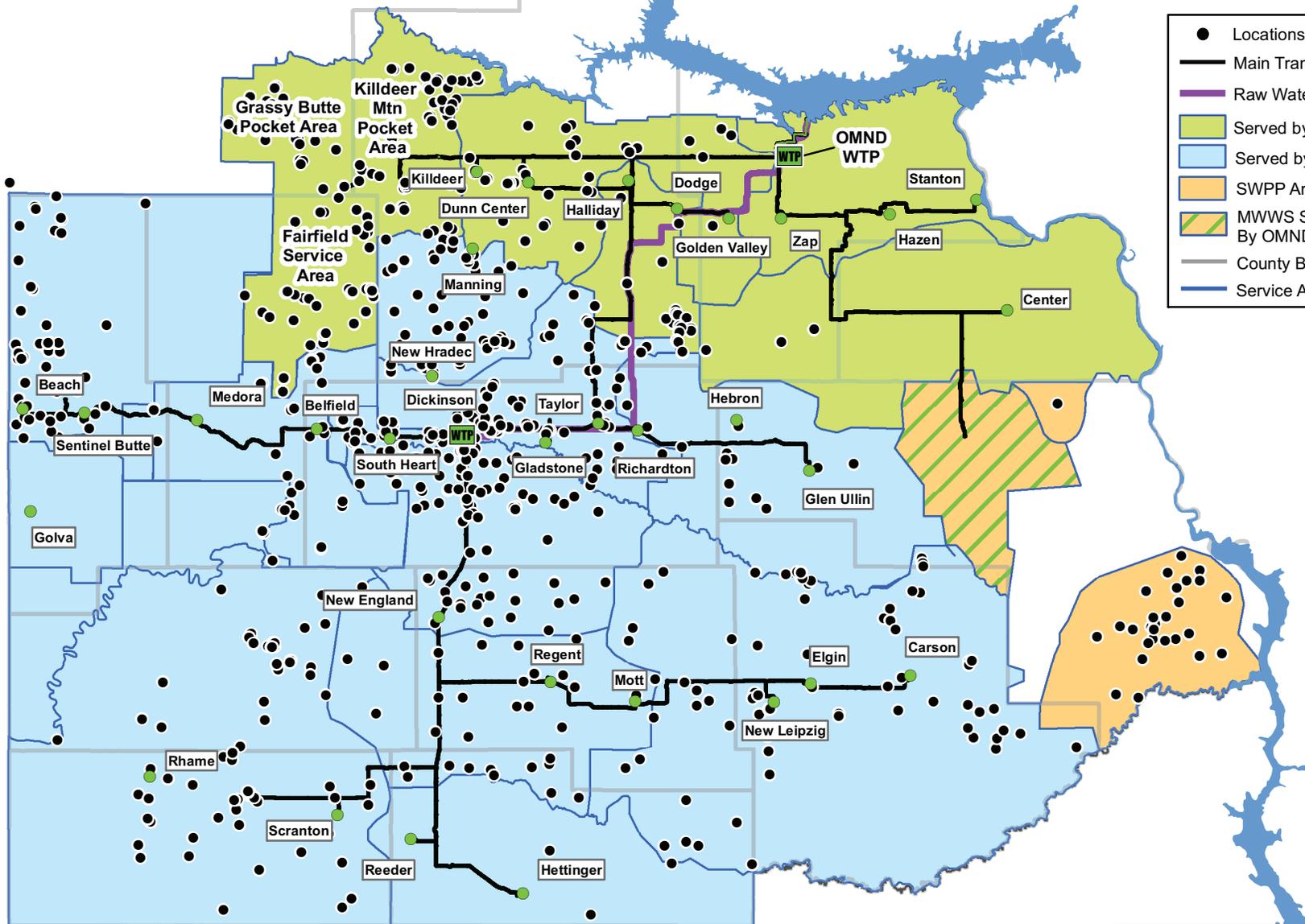


Contract	Description	Estimated Project Cost
2020-2021		
6	Dodge and Richardton Pump Station SCADA SCADA for Dodge and Richardton Pump Station Upgrades	\$400,000
2-7D	Main Transmission Line between Ray Christensen Pump Station and Davis Buttes Reservoir 6 miles of 12" parallelled main transmission line Capacity upgrades necessary for regional growth Bid opening proposed for spring/summer 2020 (currently in easement acquisition status)	\$1,900,000
2-3I	Main Transmission Line between Ray Christensen Pump Station and New England Reservoir 8 miles of 16" parallelled main transmission line Capacity upgrades necessary for regional growth Bid opening proposed for spring/summer 2020 (currently in easement acquisition status)	\$4,500,000
2-5C	Main Transmission Line between Ray Christensen Pump Station and Belfield Reservoir 6 miles of 12" parallelled main transmission line Capacity upgrades necessary for regional growth Bid opening proposed for spring/summer 2020 (currently in easement acquisition status)	\$1,900,000
	Rural Water Hydraulic Improvements System hydraulic improvements where growth is limited by Project capacity Preliminary Design Report expected April 2020	\$2,500,000
1-1B/1-2B	Supplementary Intake Pump Station and Intake Pump Station Upgrade Intake pump station building, miscellaneous piping, appurtenances and SCADA Design 2021	\$9,300,000
	SWC Agency Operations	\$450,000
	Total Estimated 2020-2021 Costs	\$20,950,000
	Total Estimated Cost for 2019-2021 Biennium	\$27,500,000

Southwest Pipeline Service Area and Waiting List December 2019

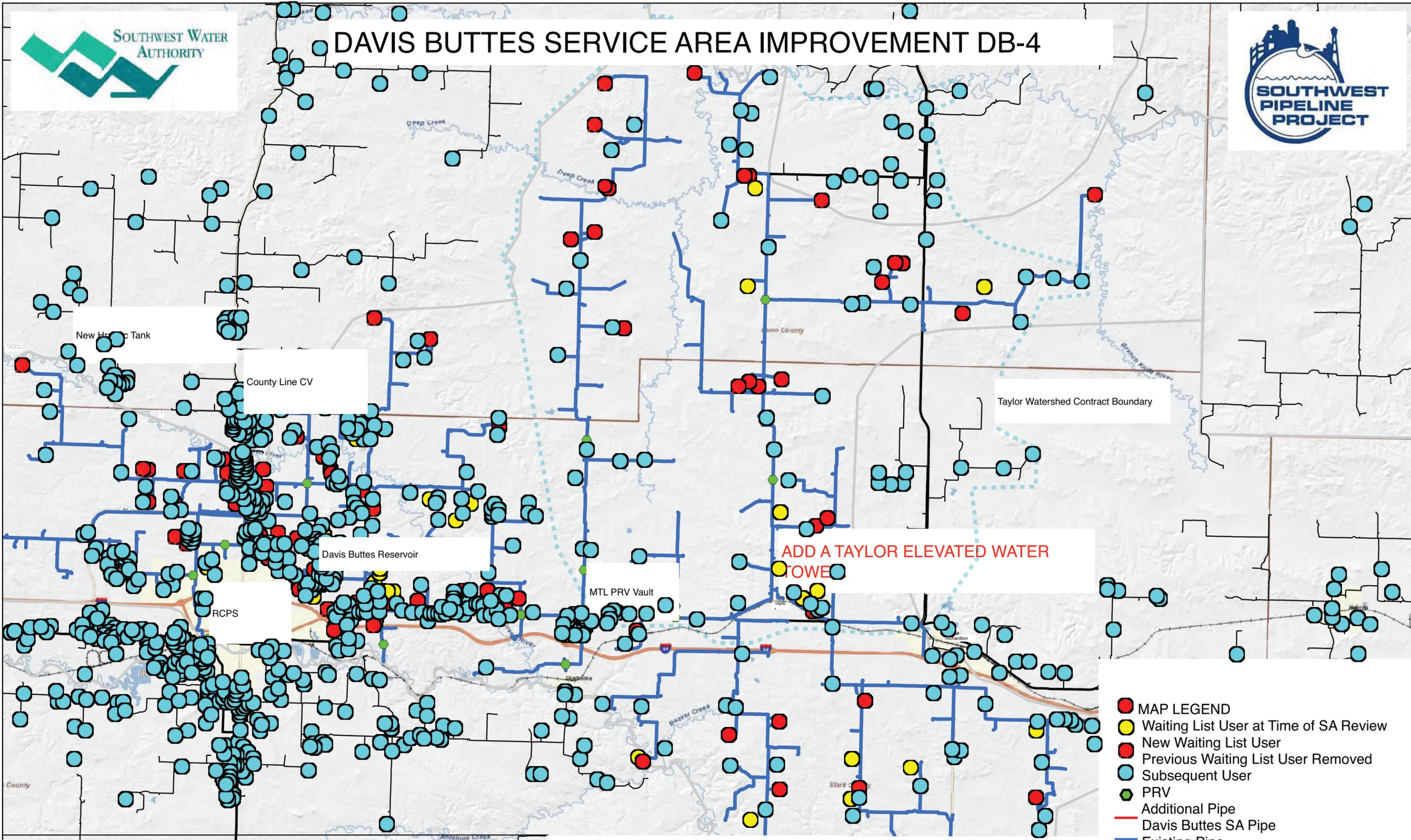


- Locations Requesting Water
- Main Transmission Pipeline
- Raw Water Line
- Served by OMND WTP
- Served by Dickinson WTP/Southwest WTP
- SWPP Area Served by MWWS
- MWWS Supplemental Service By OMND WTP
- County Boundaries
- Service Area Boundaries





DAVIS BUTTES SERVICE AREA IMPROVEMENT DB-4



- MAP LEGEND
- Waiting List User at Time of SA Review
- New Waiting List User
- Previous Waiting List User Removed
- Subsequent User
- ◆ PRV
- Additional Pipe
- Davis Buttes SA Pipe
- Existing Pipe
- SA Boundaries
-

MAP DEVELOPED IN DAVIS BUTTES SERVICE AREA REVIEW DATED MARCH 2019

EXHIBIT DB-4