### MINUTES

# North Dakota State Water Commission Bismarck, North Dakota

### August 23, 2017

The North Dakota State Water Commission (State Water Commission or Commission) held a meeting at the State Office Building, Bismarck, North Dakota, on August 23, 2017. Governor Doug Burgum, Chairman, called the meeting to order at 9:00 a.m., and requested Garland Erbele, State Engineer, and Chief Engineer-Secretary to the State Water Commission, call the roll. Governor Burgum announced a quorum was present.

### STATE WATER COMMISSION MEMBERS PRESENT:

Governor Doug Burgum, Chairman
Doug Goehring, Commissioner, North Dakota Department of Agriculture, Bismarck
Katie Andersen - Jamestown
Michael Anderson - Hillsboro
Richard Johnson – Devils Lake
Leander McDonald - Bismarck
Mark Owan - Williston
Matthew Pedersen – Valley City
Jason Zimmerman - Minot

### **OTHERS PRESENT:**

Lieutenant Governor Brent Sanford
Leslie Oliver, General Counsel, Governor's Office
Garland Erbele, State Engineer, and Chief Engineer-Secretary,
North Dakota State Water Commission, Bismarck
State Water Commission Staff
Approximately 50 people interested in agenda items.

The attendance register is on file with the official minutes.

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

Governor Burgum welcomed Cheryl Fitzgerald, State Water Commission Executive Assistant, to the Commission.

Governor Burgum recognized former State Water Commissioners Arne Berg, 11 years of service; Maurice Foley, 11 years of service; Larry Hanson, 18 years of service; George Nodland, four years of service; Harley Swenson, 24 years of service; Robert Thompson, 24 years of service; and, Douglas Vosper, nine years of service. Governor Burgum expressed his gratitude and appreciation to the Commissioners' dedication and

service to the State Water Commission and citizens of North Dakota. Governor Burgum requested Resolution Nos. 2017-08-533 through 2017-08-539 be attached to the meeting minutes. **SEE APPENDIX A.** 

Governor Burgum introduced State Water Commissioners, welcomed them to the board, and thanked them for bringing their knowledge, expertise, and willingness to serve to the State Water Commission.

Jennifer Verleger, Assistant Attorney General, provided general guidance on conflicts of interest and the need to recuse oneself if monies are involved.

### **CONSIDERATION OF AGENDA:**

The agenda for the August 23, 2017, State Water Commission meeting was presented; there were no modifications.

### **CONSIDERATION OF DRAFT MINUTES OF JUNE 22, 2017:**

The draft minutes of the June 22, 2017, State Water Commission meeting were reviewed; there were no modifications.

It was moved by Commissioner Goehring, seconded by Governor Burgum, and unanimously carried, that the minutes of June 22, 2017, be approved as presented.

# CONSIDERATION OF DRAFT MINUTES OF STATE WATER COMMISSION CONFERENCE CALL MEETING OF JULY 20, 2017:

Governor Burgum requested this item moved to discussion under Drought Disaster Livestock Water Supply Project Assistance Program funding.

### STATE WATER COMMISSION FINANCIAL REPORTS:

The Allocated Program Expenditures for the period ending June 30, 2017, were presented and discussed by David Laschkewitsch, State Water Commission's Director of Administrative Services. The expenditures, in total, are within the authorized budget amounts. **SEE APPENDIX B.** 

The Project Summary for the 2015-2017 Biennium, **APPENDIX C**, provides information on the committed and uncommitted funds from the Resources Trust Fund and the Water Development Trust Fund. The final summary for projects shows approved

projects totaling \$919,958,288 with expenditures of \$526,889,302. The Commission will carry over \$384,058,619 of committee projects into the 2017-2019 biennium.

The oil extraction tax deposits into the Resources Trust Fund total \$240,564,950 through June 2017 and ended the biennium \$27,894,321 or 10.4 percent below originally budgeted revenues.

Deposits into the Water Development Trust Fund total \$18,208,436 through May 2017 and ended the biennium \$298,436 or 1.7 percent above budgeted revenues.

# <u>CITY OF GRAND FORKS, WATER TREATMENT PLANT – \$30,000,000</u> (SWC Project No. 2050GRF):

A request from the city of Grand Forks was presented for an additional \$30 million dollars for construction of their water treatment plant to provide water supply capacity to meet population and demand projections through 2050. The project will expand the capacity from 16.5 to 20 million gallons per day with expandability to 40 million gallons per day. The City of Grand Forks Regional Water Treatment Plant Update dated August 23, 2017, is attached as **APPENDIX D**.

Section 13 of the State Water Commission's 2015-2017 biennium appropriation bill, Senate Bill No. 2020, appropriated the sum of \$30,000,000 to this project, and expressed the intent to provide an additional \$30 million in the 2017-2019 biennium.

The State Water Commission obligated the 2015-2017 funding of \$30 million on October 12, 2016. Also, the Commission approved on October 7, 2013, \$4.99 million for design, bringing the total obligated to date to \$34.99 million. The 2017-2019 additional \$30 million would bring the total to \$64.99 million.

It was the recommendation of Secretary Erbele that the State Water Commission approve the additional cost-share of \$30,000,000 paid on 50 percent of eligible costs for the water treatment plant to the city of Grand Forks, contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Johnson that the State Water Commission approve additional state cost-share of \$30,000,000, paid on 50 percent of eligible costs for construction from the funds appropriated to the State Water Commission in the 2017-2019 biennium, to the city of Grand Forks. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# CITY OF MERCER, CONNECT TO MCLEAN SHERIDAN WATER DISTRICT \$166,950 (SWC Project No. 2050MER):

(SWC Project No. 2050MER):

A request from the city of Mercer was presented for the State Water Commission's consideration for state cost participation for the construction of 3,000 feet of 8-inch water transmission line to connect the city to McLean Sheridan Water District to provide a bulk water supply to address current and future water demands of the city. The city's current supply is poor quality and inadequate quantity. The estimated eligible cost is \$232,627. Cost-share of 35 percent (\$6,580) on pre-construction costs and 75 percent on construction costs (\$160,370) provides total funding of \$166,950.

It was the recommendation of Secretary Erbele that the State Water Commission approve the total cost-share of 35 percent pre-construction and 75 percent construction in the amount of \$166,950. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Owan that the State Water Commission approve total state cost-share of \$166,950, paid on eligible costs for 35 percent preconstruction and 75 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# <u>CITY OF NEW TOWN, WATER TRANSMISSION/STORAGE - \$1,040,000</u> (SWC Project No. 2050NEW):

A request from the city of New Town was presented for the State Water Commission's consideration for state cost participation for the construction of a 250,000-gallon elevated water tower and new water main to address current and future demands of the city. The existing system does not have adequate pressure zones to serve the growth areas of the northwestern area of the community. These growth areas are at higher elevations and require modifications to the existing distribution system to ensure adequate pressures and fire flows. The estimated eligible cost is \$2,060,000. The cost-share of 35 percent (\$52,500) on pre-construction costs and 60 percent (\$987,500) on construction costs provides total funding of \$1,040,000.

It was the recommendation of Secretary Erbele that the State Water Commission approve the total cost-share of 35 percent pre-construction and 60 percent construction in the amount of \$1,040,000. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Johnson that the State Water Commission approve total state cost-share of \$1,040,000, paid on eligible costs for 35 percent pre-construction and 60 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

CITY OF WEST FARGO, BROOKS HARBOR WATER TOWER - \$1,950,000; CITY OF WEST FARGO, NORTH LOOP CONNECTION - \$510,000; CITY OF WEST FARGO, WEST LOOP CONNECTION - \$1,110,000; TOTAL - \$3,570,000 (SWC Project No. 2050WES):

**West Fargo Brooks Harbor Water Tower -** A request from the city of West Fargo was presented for the State Water Commission's consideration for state cost participation for the construction a of new 1,000,000-gallon elevated water tower on the southwest side of the city to address current and future demands in that area. West Fargo intends to complete the final design, bid the project, and begin construction by the fall of 2017. The estimated eligible cost is \$3,250,000. Cost-share of 60 percent on construction costs provides total funding of \$1,950,000.

**West Fargo North Loop Connection -** A request from the city of West Fargo was presented for the State Water Commission's consideration for state cost participation for the construction of 5,500 feet of 16-inch water transmission line on the north side of the city to address current and future demands of the city. West Fargo intends to complete the final design, bid the project, and begin construction by the fall of 2017. The estimated eligible cost is \$850,000. Cost-share of 60 percent on construction costs provides total funding of \$510,000.

**West Fargo West Loop Connection -** A request from the city of West Fargo was presented for the State Water Commission's consideration for state cost participation for the construction of 12,500 feet of 16-inch water transmission line on the west side of the city to address current and future demands of the city. West Fargo intends to complete the final design, bid the project, and begin construction by the fall of 2017. The

estimated eligible cost is \$1,850,000. Cost-share of 60 percent on construction costs provides total funding of \$1,110,000.

It was the recommendation of Secretary Erbele that the State Water Commission approve the total cost-share of 60 percent construction in the total amount of \$3,570,000 for the above projects. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Andersen that the State Water Commission approve state cost-share amounts of \$1,950,000 for Brooks Harbor Water Tower; \$510,000 for North Loop Connection; and, \$1,110,000 for West Loop Connection for a total state cost-share of \$3,570,000, paid on eligible costs for 60 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# <u>CITY OF WILLISTON, US HIGHWAY 2 WATER MAIN - \$434,000</u> (SWC Project No. 2050WLL):

A request from the city of Williston was presented for the State Water Commission's consideration for state cost participation for the construction of water main crossings of US Hwy 2, an upgrade to the existing rural water line in a frontage road to provide increased service and establish an additional interconnection between the existing Williams rural water line and the city's transmission line on the west side of the city. The City intends to complete construction in 2018. The estimated eligible cost is \$724,000. Cost-share of 60 percent on construction costs provides total funding of \$434,400. Bob Hanson, City Engineer, Williston, provided a project map, and attached as **APPENDIX E.** 

It was the recommendation of Secretary Erbele that the State Water Commission approve the cost-share of 60 percent construction in the total amount of \$434,000. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Zimmerman that the State Water Commission approve total state cost-share of \$434,000, paid on eligible costs for 60 percent construction, from the funds appropriated to the State Water

Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# GREATER RAMSEY WATER DISTRICT, EXPANSION PHASE II - \$599,000 (SWC Project No. 2050RAM):

A request from the Greater Ramsey Water District (Greater Ramsey) was presented for the State Water Commission's consideration for state cost participation for assistance to purchase permanent water capacity from the city of Devils Lake water system to supply water to the northern portion of the Greater Ramsey's system. Greater Ramsey has experienced tremendous growth during the past 15 years with membership increasing from 700 to over 2,300 water users. Greater Ramsey's existing water treatment plant capacity is fully utilized. The project provides Greater Ramsey with 13.8 percent (400 gallons per minute) of the Devils Lake's water treatment plant (2,900 gallons per minute) and 19.1 percent (400 gallons per minute) of the water supply system (2,100 gallons per minute). The Devils Lake's non-grant water system cost was \$4,689,144. The estimated eligible cost is \$798,700. Cost-share of 75 percent on construction costs provides total funding of \$599,000.

It was the recommendation of Secretary Erbele that the State Water Commission approve the cost-share for the project of 75 percent construction in the total amount of \$599,000. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

Commissioner Johnson declared for the record that he is mayor of Devils Lake.

It was moved by Commissioner Pedersen and seconded by Commissioner Anderson that the State Water Commission approve total state cost-share of \$599,000, paid on eligible costs for 75 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds and the final buy in of bulk water use agreement between Greater Ramsey and Devils Lake.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

NORTH CENTRAL DISTRICT, MOUNTRAIL PHASE II (SUPPLY) - \$3,086,000; NORTH CENTRAL DISTRICT, MOUNTRAIL PHASE III (EXPANSION) - \$3,430,000; TOTAL - \$6,516,000 (SWC Project No. 2050NOC):

North Central Regional Water District Mountrail Phase II - A request from the North Central Regional Water District (North Central) was presented for the State Water Commission's consideration for state cost participation for the second phase of the project to supply the southeast corner of Mountrail County, Plaza, and western Ward County. Phase I provided a temporary supply to the city of Plaza and the western edge of Ward County in 2014 to meet the current needs of the area, but could not meet the future growth of the area. Phase II allows growth for Plaza and western Ward County along with the construction of Mountrail Phase III rural expansion. North Central intends to complete the final design, bid the project, and begin construction by the spring of 2018. The estimated eligible cost is \$4,235,467. Cost-share of 35 percent (\$79,275) on pre-construction costs and 75 percent (\$3,006,725) on construction costs provides total funding of \$3,086,000.

North Central Regional Water District Mountrail Phase III - A request from North Central was presented for the State Water Commission's consideration for state cost participation for the third phase of the project to expand a rural water system into southeast Mountrail County and western Ward County. North Central intends to complete the final design, bid the project, and begin construction by the spring of 2018. The estimated eligible cost is \$4,695,467. Cost-share of 35 percent (\$80,150) on preconstruction costs and 75 percent (\$3,349,850) on construction costs provides total funding of \$3,430,000.

It was the recommendation of Secretary Erbele that the State Water Commission approve the total cost-share for the two above projects of 35 percent on preconstruction costs and 75 percent on construction costs in the amount of \$6,516,000. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Owan and seconded by Commissioner Goehring that the State Water Commission approve state cost-share amounts of \$3,086,000 for Mountrail Phase II; and, \$3,430,000 for Mountrail Phase III for a total state cost-share of \$6,516,000, paid on eligible costs for 35 percent pre-construction, and 75 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# SOUTHEAST WATER USERS DISTRICT, SYSTEM WIDE EXPANSION - \$2,749,000 (SWC Project No. 2050SOE):

A request from Southeast Water Users District was presented for the State Water Commission's consideration for state cost participation for additional cost-share to add 130 users in a system wide expansion project. The overall expansion project will provide water service for 480 rural users throughout the currently unserved areas in Dickey, LaMoure, Logan, Ransom, Richland, and Sargent counties and capacity for service to the city of Walcott. The previously approved cost-share was \$11,826,000. The additional eligible cost is \$3,682,530. Cost-share of 35 percent (\$11,285) on preconstruction costs and 75 percent (\$2,737,715) on construction costs provides total additional funding of \$2,749,000.

Brian Bergantine and Chase Julson, AE2S, Fargo, provided updates on the system wide expansion project. A summary of the presentation dated August 17, 2017, is included as **APPENDIX F.** 

It was the recommendation of Secretary Erbele that the State Water Commission approve the cost-share for the project of 35 percent of pre-construction costs and 75 percent construction in the total amount of \$2,749,000. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioners Andersen and McDonald that the State Water Commission approve additional total state cost-share of \$2,749,000, paid on eligible costs for 35 percent pre-construction, and 75 percent construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

### RURAL WATER DISTRICTS, PRE-CONSTRUCTION - \$308,155

Requests from the following water districts were presented for the State Water Commission's consideration for state cost participation for pre-construction costs. The major steps in the development of any project include final project planning, the local sponsor obtaining the local match, and completing plans and specifications for bidding the project. The project construction funding will be considered later in the biennium when revenues for the biennium are better known. The project cost-share funding is summarized with each project description below:

# <u>CASS RURAL WATER USERS DISTRICT, HORACE STORAGE TANK - \$91,000</u> (SWC Project No. 2050CAS):

The funding request is for construction of a 500,000-gallon Horace area storage tank to address current and future demands of the system in the area along Cass County Road 17, between West Fargo and Horace. The estimated eligible cost is \$2,600,000, including pre-construction cost of \$260,000. Cost-share of 35 percent on pre-construction costs provides funding of \$91,000.

# <u>GRAND FORKS TRAILL WATER DISTRICT, EXPANSION/INTERCONNECT - \$51,000</u>

(SWC Project No. 2050GFT):

The funding request is for adding new users, upsizing pipelines for system capacity, and interconnection with Trail Rural Water District to address current and future demands in the southern and eastern area of the system. The estimated eligible cost is \$5,992,533, including pre-construction cost of \$360,000. The previously approved cost-share on pre-construction was \$75,000. Cost-share of 35 percent on pre-construction costs provides \$126,000 or an additional \$51,000.

### NORTH PRAIRIE RURAL WATER DISTRICT, RESERVOIR 9 WATER SUPPLY-\$26,950

(SWC Project No. 2050NOR):

The funding request is for construction of 8-inch water transmission line southwest of Minot to address current and future demands of the system. The estimated eligible cost is \$1,468,000, including pre-construction cost of \$77,000. Cost-share of 35 percent on pre-construction costs provides funding of \$26,950.

# NORTH PRAIRIE RURAL WATER DISTRICT, SURREY SILVER SPRING - \$5,950 (SWC Project No. 2050NOC):

The funding request is for construction of a 12-inch water transmission line to the city of Surrey's Silver Springs Development to address current and future demands. Surrey receives bulk water from North Prairie. The estimated eligible cost is \$269,000, including pre-construction cost of \$17,000. Cost-share of 35 percent on pre-construction costs provides funding of \$5,950.

# TRAILL RURAL WATER DISTRICT, EXPANSION/INTERCONNECT - \$75,880 (SWC Project No. 2050TRA):

The funding request is for adding new users, upsizing pipelines in the northwestern portion for system capacity, and interconnection with Grand Forks Trail Rural Water District to address current and future demands of the system. The estimated eligible cost is \$2,223,427, including pre-construction cost of \$216,800. Cost-share of 35 percent on pre-construction costs provides funding of \$75,880.

# WALSH RURAL WATER DISTRICT, SYSTEM EXPANSION - \$57,375 (SWC Project No. 2050WAL):

The funding request is for adding new users, upsizing pipelines in the southern and eastern portion for system capacity to address current and future demands of the system. The estimated eligible cost is \$1,876,676, including pre-construction cost of \$163,929. Cost-share of 35 percent on pre-construction costs provides funding of \$57,375.

It was the recommendation of Secretary Erbele that the State Water Commission approve the cost-share funding for the above water districts projects for 35 percent of preconstruction costs in the total amount of \$308,155. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

Commissioner Anderson declared for the record that he is a member of the Traill Rural Water District Board of Directors.

It was moved by Commissioner Goehring and seconded by Commissioners Johnson and Owan that the State Water Commission approve state cost-share amounts of \$91,000 for Cass Rural Water Users District Horace Storage Tank; an additional \$51,000 for Grand Forks Traill Water District Expansion/Interconnect; \$26,950 for North Prairie Rural Water District Reservoir 9 Water Supply; \$5,950 for North Prairie Rural Water District Surrey Silver Spring; \$75,880 for Traill Rural Water District Expansion/Interconnect; and, \$57,375 for Walsh Rural Water District System Expansion for a total state cost-share of \$308,155, paid on eligible costs for 35 percent pre-construction, for construction from the funds appropriated to the State Water Commission in the 2017-2019 biennium. The funding is in the form of cost-share towards eligible costs and contingent on available funding.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

### CITY OF LISBON PERMANENT FLOOD CONTROL PROJECT, LEVEE D CONSTRUCTION (LOAN) - \$900,000 (SWC Project No. 1991-09)

A request from City of Lisbon (City) was presented for the State Water Commission's consideration for state cost participation for their Permanent Flood Protection Phase 1 - Levee D Loan.

In 2014, City began construction of Phase I – Levee A. In 2015, City began construction of Phase I – Levee C. In 2016, City began construction of Phase I – Levee E. Cost-share for Levee D Construction was approved by the State Water Commission for \$3,600,000 (80 percent) on March 29, 2017. This project included approximately 1,200 LF of earthen levee, 585 LF of concrete floodwall, and 64 LF of removable stop logs on the east side of the Sheyenne River. City is requesting a 30-year loan at 1.5 percent interest for the remaining 20 percent, not to exceed \$900,000. This loan was requested as part of the original cost-share request, but there was inadequate funding remaining in our loan fund until the cap was increased during the recent legislative session.

It was the recommendation of Secretary Erbele that the State Water Commission approve the 30-year loan from the State Water Commission to cover the remaining cost of the project at 1.5 percent interest, not to exceed \$900,000. The funding is subject to the entire contents of the recommendation contained herein and contingent on available funding.

It was moved by Commissioner Goehring and seconded by Commissioner Anderson that the State Water Commission approve the 30-year loan from the State Water Commission to cover the remaining cost of the project at 1.5 percent interest, not to exceed \$900,000, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the entire contents of the recommendation and availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# SOUTHWEST PIPELINE PROJECT, CONTRACT 3-2E, RESIDUAL HANDLING FACILITY - \$6.3 MILLION (SWC Project No. 1736-99):

Bids for Contract 3-2E were opened on July 20, 2017. The scope of work for this project generally consists of the construction of a 65 ft. by 80 ft. reinforced concrete and pre-cast concrete building and the installation of pumping, piping, dewatering equipment, mechanical, electrical and instrumentation systems.

As required by North Dakota Century Code §48-01.2-06, the contract was divided into separate prime bids for the General, Mechanical, and Electrical portions of the work. A combined single bid was also provided to encompass all individual scopes of work.

The Southwest Pipeline Project's (SWPP) existing 12 Million Gallons per Day (MGD) Water Treatment Plant (WTP) and the supplemental 6 MGD WTP under construction in

Dickinson, use a lime softening treatment process. The lime sludge produced from the existing WTP is disposed of in the sludge ponds located directly south of the WTP location across the Heart River. The sludge ponds are very close to their design capacity, and discharge of lime sludge to the sludge ponds within city limits is not very desirable. Disposal of sludge accumulated at the sludge ponds for cleaning the ponds is difficult and expensive. The proposed Residual Handling Facility (RHF) will process the lime sludge and backwash water produced from the existing and the supplemental WTP which can then be disposed of in a landfill or used for other purposes.

The single combined prime bid from Rice Lake Construction Group was \$28,600 higher than the summation of the low individual bids. There would be advantages from having one contract versus three in terms of administrative costs, communication, coordination, and scheduling. However, North Dakota Century Code §48-01.2-06 states "A governing body may not accept the single prime bid unless that bid is lower than the combined total of the lowest responsible multiple bids for the project." Therefore, the contract should be awarded to the lowest individual bids for each section.

Bid Alternates were included under the General and Electrical sections of the contract. Bid Alternate 1 under the General Construction Contract, provided a backup capacity in the case of Filter Press No. 1 was down for scheduled or emergency maintenance. The bid price for Bid Alternate (\$642,000) was less than estimated and was less than other back up options. It was recommended to award the contract including Bid Alternate 1 for General Construction.

Bid Alternate 1 under the Electrical Construction Contract was for wiring the Filter Press No. 2 included in Bid Alternate 1 under the General Construction Contract. Bid Alternate 2 was for a larger standby generator that would allow operation of a filter press in addition to heat and lights at the facility. Bid price for Bid Alternate 2 was \$24,800. Because of the small cost difference to provide the larger generator, it was recommended to award the contract including Bid Alternates 1 and 2 for Electrical Construction.

Reference checks on Rice Lake Construction Group were good and they were considered a responsible bidder. Bartlett & West/AECOM recommended award of SWPP Contract 3-2E – General Construction, based on Section I – General Construction Contract, with Alternate Bid Item No. 1, in the amount of \$7,506,300 to Rice Lake Construction Group.

Central Mechanical, Inc. has completed several projects successfully for SWPP and were considered a responsible bidder. Bartlett & West/AECOM recommended award of SWPP Contract 3-2E – Mechanical Construction, based on Section II – Mechanical Construction Contract, in the amount of \$619,900 to Central Mechanical, Inc.

Edling Electric, Inc. has completed several projects successfully for SWPP and are considered a responsible bidder. Bartlett & West/AECOM recommended award of SWPP Contract 3-2E – Electrical Construction, based on Section III – Electrical

Construction Contract, with Alternate Bid Items No. 1 and 2 in the amount of \$862,600 to Edling Electric, Inc.

There was general discussion on the overall bidding and contract award process.

The total bid price of the above three contracts is \$8,988,800 and the estimated project cost \$11.5 million. Approximately \$5.2 million in uncommitted funding is available in carry-over funding allocated to SWPP in 2015-2017 biennium; an allocation of an additional \$6.3 million to SWPP from the 2017-2019 biennium is recommended.

It was the recommendation of Secretary Erbele that the State Water Commission authorize the secretary to the State Water Commission to award the contracts for Southwest Pipeline Project contract 3-2E as recommended by the project engineer.

It was moved by Commissioner Owan and seconded by Commissioner McDonald authorize that the State Water Commission authorize the secretary to the State Water Commission to:

- 1. Award SWPP Contract 3-2E General to Rice Lake Construction Group. in the amount of \$7,506,300 based on Bid Section I with Alternate Bid Item No. 1:
- 2. Award SWPP Contract 3-2E Mechanical to Central Mechanical, Inc. in the amount of \$619,900 based on Bid Section II; and,
- 3. Award SWPP Contract 3-2E Electrical to Edling Electric, Inc. in the amount of \$862,600 based on Bid Section III with Alternate Bid Items 1 and 2.
- 4. Approve \$6.3 million dollars to the Southwest Pipeline Project from the funds appropriated for the 2017-2019 biennium.

The award of the contracts is dependent upon legal review of the contract documents and concurrence from the Garrison Diversion Conservancy District.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# NORTHWEST AREA WATER SUPPLY (NAWS) PROJECT – INTERIM WATER RATES (SWC Project No. 237-05):

The Northwest Area Water Supply (NAWS) project water service contracts recognize an annual review and adjustment of water rates that are effective January 1st of the following year. The proposed water rates are based on capital costs, supply and treatment costs, operation and maintenance costs, and reserve for replacement and extraordinary maintenance (REM).

The following NAWS current water rates for the city of Minot and the NAWS region cities for 2017 and proposed interim water rates for 2018 were discussed:

Capital Costs:	2017 \$0.00 per 1,000 gallons	2018 No recommended change
Supply and Treatment Costs:	City of Minot: \$0.00 per 1,000 gallons NAWS region: \$1.42 per 1,000 gallons	No recommended change No recommended change
Operation and Maintenance Costs:	City of Minot: \$0.26 per 1,000 gallons NAWS region: \$1.18 per 1,000 gallons	No recommended change Possible increase to \$1.26
Replacement and Extraordinary Maintenance:	\$0.15 per 1,000 gallons	No recommended change

Current water rates for City of Minot is \$0.41 per 1,000 gallons with no increase recommended, and NAWS region is \$2.75 per 1,000 gallons which may increase slightly.

It was the recommendation of Secretary Erbele that the State Water Commission approve the NAWS interim water rates for the 2018 calendar year when the amounts are determined.

Commissioner Zimmerman declared for the record that he is a member of the Ward County Water Resource Board.

It was moved by Commissioner Goehring and seconded by Commissioner Johnson that the State Water Commission authorize Secretary Erbele to approve the Northwest Area Water Supply project interim water rates for the 2018 calendar year when the amounts are determined.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# MOUSE RIVER ENHANCED FLOOD PROTECTION PROJECT – PHASES MI-1, MI-2, and M-3 CONSTRUCCTION - \$62,781,034; CORPS OF ENGINEERS SECTION 408 REVIEW THROUGH SECTION 2145 - \$74,750 (SWC Project Nos. 1974 and 1974-11):

A request from Souris River Board was presented for the State Water Commission's consideration for state cost participation for construction of Phases MI-1 through MI-3 of their Mouse River Enhanced Flood Protection Project, and cost share for a Section 214 Agreement with the United States Army Corps of Engineers (Corps), which guarantees a timely review of the Corps Section 408 permit.

The Souris River Joint Board requested approval to move forward with bidding for three phases of the Mouse River Enhanced Flood Protection Project. Phase MI-1 consists of approximately 3,000 linear feet of floodwall from US Highway 83 to 3<sup>rd</sup> Street Northeast in Minot. Phase MI-2 and MI-3 consist of approximately 9,000 linear feet of earthen levee from the US Highway 83 Bypass to the Canadian Pacific Railroad's crossing of the Mouse River west of Minot. Small (6,000 gallons per minute) and moderate (40,000 gallons per minute) storm water pump stations, and a road closure structure on the north side of the Mouse River at 16<sup>th</sup> Street Southwest are also included in Phase MI-2 and MI-3. A detailed map of Phase MI1-MI3 is attached as **APPENDIX G**.

The Souris River Joint Board requested cost share for timely review of the project's Section 408 permit with the Corps. To guarantee a timely review of the Section 408 permit, the Souris River Joint Board entered into a Section 214 agreement with the Corps to essentially pay for the federal government's review of the project. As design progresses with future phases, it is important that an adequate budget be established for timely review by the Corps.

On September 21, 2016, the policy committee of the State Water Commission was in consensus that the cost share percentage for the Mouse River Enhanced Flood Protection Project be increased to 65 percent. On October 12, 2016, the State Water Commission approved the percentage as an amendment to the commission's cost share policy. The total estimated cost of construction of phases MI-1, MI-2, and MI-3 is \$96,586,206, or a total of \$62,781,034 at 65 percent cost share. The total cost requested by the Corps for review services related to the Section 214 Agreement is \$115,000, or a total of \$74,750 at 65 percent cost share.

It was the recommendation of Secretary Erbele that the State Water Commission approve the request by the Souris River Joint Board for state cost share at 65 percent for the Mouse River Enhanced Flood Protection Project's Phases MI-1, MI-2, and MI-3 at an amount not to exceed \$62,781,034.

It was the further recommendation of Secretary Erbele that the State Water Commission approve the request by the Souris River Joint Board for state cost share at 65 percent for the Mouse River Enhanced Flood Protection Project's Section 408 permit review at an amount not to exceed \$74,750.

The approvals are subject to the entire contents of the recommendation contained herein, obtaining all applicable permits and the availability of funds.

Commissioner Zimmerman declared for the record that he is a member of the Ward County Water Resource Board.

It was moved by Commissioner Goehring and seconded by Commissioner Zimmerman approve:

- 1. State cost share at 65 percent for the Mouse River Enhanced Flood Protection Project's Phases MI-1, MI-2, and MI-3 at an amount not to exceed \$62,781,034; and,
- 2. State cost share at 65 percent for the Mouse River Enhanced Flood Protection Project's Section 408 permit review at an amount not to exceed \$74,750.

The approvals are subject to the entire contents of the recommendation contained herein, obtaining all applicable permits and the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

### 2017 NORTH DAKOTA CLOUD MODIFICATION PROJECT OVERVIEW:

The 2017 North Dakota Cloud Modification Project Overview was presented, which is detailed in the staff memorandum dated August 23, 2017, and attached as **APPENDIX H.** 

There was general discussion of funding further cloud modification studies and compiling more data.

# WESTERN AREA WATER SUPPLY AUTHORITY, PHASE V - \$8,750,000 (SWC Project No. 1973)

Due to time constraints, this agenda item was presented earlier than listed on agenda, and to accommodate the future departure of Commissioner Goehring.

A request from Western Area Water Supply Authority (WAWSA) was presented for the State Water Commission's consideration for state cost participation for construction of Phase V projects. The three projects are continuations of projects that either the

Authority has currently under construction or have completed through prior funding. The projects add transmission and distribution pipeline within the region of the rural water systems. The local rural water systems will cover the local project costs. The projects are MCWRD System I/IV with estimated eligible cost of \$1,910,000; R&TWSCA Stanley Part I Alternate with estimated eligible cost of \$7,781,599; and R&TWSCA White Earth West Alternate with estimated eligible cost of \$2,521,200. Cost-share of 35 percent (\$358,400) on pre-construction costs and 75 percent (\$8,391,600) on construction costs provides total funding of \$8,750,000. The projects are listed with detail in the attached State Water Commission staff memorandum dated July 28, 2017, and request letter dated July 24, 2017, and attached as **APPENDIX I**.

It was the recommendation of Secretary Erbele that the State Water Commission approve the request by WAWSA for the overall Phase V plan for cost-share with preconstruction funded at 35 percent and construction funded at 75 percent of eligible costs. The approval is contingent on available funding.

Commissioner Owan declared for the record that he is chairman of the Western Area Water Supply Authority.

It was moved by Commissioner Goehring and seconded by Commissioner Andersen that the State Water Commission approve total State cost-share of \$8,750,00, paid on eligible costs for 35 percent pre-construction and 75 percent construction from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, Goehring, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# FARGO MOORHEAD AREA DIVERSION PROJECT REPORT (SWC Project No. 1928):

Dr. Tim Mahoney, mayor of Fargo, provided updates on the local, state and federal efforts currently underway relating to the Fargo Moorhead Area Diversion project. A summary of the presentation is included as **APPENDIX J.** 

### GARRISON DIVERSION CONSERVANCY DISTRICT PROJECT UPDATE:

Duane DeKrey, Garrison Diversion Conservancy District (District) general manager, and Ken Royse, Chairman, provided a project update on the District's activities relating to the MR&I Water Supply program federal funding process, the Red River Valley Water

Supply project, and operations and maintenance efforts. The project update is attached as **APPENDIX K**.

# RED RIVER VALLEY WATER SUPPLY PROJECT - \$17,000,000 (SWC Project No. 237):

A request from Garrison Diversion Conservancy District (District) was presented for the State Water Commission's consideration for state cost participation in the form of a grant of \$17,000,000 for the completion of the planning and permitting process of the Red River Valley Water Supply Project. The request and funding history dated August 7, 2017, is attached as **APPENDIX L.** 

It was the recommendation of Secretary Erbele that the State Water Commission approve the request by the District for transfer of \$17,000,000 state grant to the District for the purpose of planning and permitting the Red River Water Supply Project. The approval is subject to availability of funds.

Commissioner Goehring left the meeting for previous commitment.

It was moved by Commissioner Owan and seconded by Commissioner Pedersen that the State Water Commission authorize Secretary Erbele to approve the transfer of \$17,000,000 state grant to the Garrison Diversion Conservancy District for the purpose of planning and permitting the Red River Water Supply Project. The approval is subject to availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# GARRISON DIVERSION UNIT, MILE MARKER 42 - \$937,207 (SWC Project No. 1968):

A request from Garrison Diversion Conservancy District (District) was presented for the State Water Commission's consideration for state cost participation for the Mile Marker 42L Irrigation Project.

The request is for cost share of 50 percent of the central supply works including the intakes, pump stations, controls, main transmission pipelines and power grids as well as 35 percent of the pre-construction engineering. The remaining 50 percent of the central supply works, pivots, and connection to the water delivery system will be paid for by the irrigator with personal financing. The District will acquire and hold easements for the

central supply works. With the requested cost share, the cost of the project for the proposed irrigator is reduced to approximately \$1,731.87 per acre.

The estimated total cost of the central supply works for the MM 42L Irrigation Project is \$1,825,415, which is eligible for state cost-share assistance at 50 percent (\$912,707), and \$70,000 pre-construction cost is eligible at 35 percent (\$24,500) for an amount not to exceed \$937,207 in state funds.

It was the recommendation of Secretary Erbele that the State Water Commission approve the request by the District state cost participation in the MM 42L Irrigation Project at an amount not to exceed \$937,207. This approval is subject to the entire contents of the recommendation contained herein, obtaining all applicable permits and the availability of funds.

It was moved by Commissioner Zimmerman and seconded by Commissioner Anderson that the State Water Commission approve total state cost-share of \$937,207, 35 percent pre-construction and 75 percent of eligible costs for construction, from the funds appropriated to the State Water Commission in the 2017-2019 biennium. This action is contingent upon the issuance of needed permits and availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# <u>DROUGHT DISASTER LIVESTOCK WATER SUPPLY PROJECT ASSITANCE PROGRAM - \$500,000</u> (SWC Project No. 1851):

A program update was presented by Pat Fridgen, Director of Planning and Education. The reactivation of the program and initial funding of \$250,000 was approved by the State Water Commission on June 22, 2017. On July 12, 2017, an additional \$75,000 was approved by the State Engineer at the request of the Governor, bringing the total funds to \$325,000.

On July 20, 2017, the State Water Commission approved an additional \$500,000 of funding. After review from an Assistant Attorney General, there was a question of whether a quorum was present to approve the additional \$500,000.

At the August 23, 2017, meeting, a request was made to ratify the \$500,000 approved on July 20, 2017, and to allocate an additional \$500,000, bringing the total funding of the program to \$1,325,000.

It was the recommendation of Secretary Erbele that the State Water Commission approve the request to ratify the \$500,000 that was approved during the July 20, 2017, State Water Commission meeting for the Drought Disaster Livestock Water Supply Assistance Program, and to allocate an additional \$500,000, bringing the total allocation of funds to \$1,325,000. This approval is contingent on the availability of funds.

It was moved by Commissioner Anderson and seconded by Commissioner Owan that the State Water Commission ratify the \$500,000 that was approved during the July 20, 2017, State Water Commission meeting for the Drought Disaster Livestock Water Supply Assistance Program, and to allocate an additional \$500,000. This action is contingent upon the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

# NORTH DAKOTA DEPARTMENT OF HEALTH NONPOINT SOURCE POLLUTION - \$200,000

(SWC Project No. 1859):

A request from the North Dakota Department of Health was presented for the State Water Commission's consideration for state cost participation for their Nonpoint Source Pollution Project. Details of the request is summarized in the State Water Commission staff memorandum dated August 21, 2017, attached as **APPENDIX M**.

The estimated total cost of the project is \$200,000, of which all is eligible for state costshare participation.

It was the recommendation of Secretary Erbele that the State Water Commission approve the request of the North Dakota Department of Health for state cost participation in the Nonpoint Source Pollution Project at an amount not to exceed \$200,000. This approval is subject to the entire contents of the recommendation contained herein, and the availability of funds.

It was moved by Commissioner McDonald and seconded by Commissioner Zimmerman that the State Water Commission approve the request of the North Dakota Department of Health for state cost participation in the Nonpoint Source Pollution Project at an amount not to exceed \$200,000. This action is contingent to the entire contents of the recommendation contained herein, and the availability of funds.

Commissioners Andersen, Anderson, Johnson, McDonald, Owan, Pedersen, Zimmerman, and Governor Burgum voted aye. There were no nay votes. Governor Burgum announced the motion unanimously carried.

Governor Burgum expressed his appreciation and gratitude to the new members of the State Water Commission for their service. Governor Burgum also thanked the State Water Commission staff for their work and preparation of the material presented, and visitors that traveled from across the state for their attendance.

There being no further business to come before the State Water Commission, Governor Burgum adjourned the August 23, 2017, meeting at 2:20 p.m.



Doug Burgum, Governor

Chairman, State Water Commission

Garland Erbele, P.E.

North Dakota State Engineer, and Chief Engineer-Secretary to the State Water Commission

# RESOLUTION NO. 2017-08-533 In Appreciation To

### Arne Berg

**WHEREAS**, Arne Berg was appointed as a member of the State Water Commission in 2006 and has admirably served the people of North Dakota until 2017; and

WHEREAS, Arne has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction concerning the Devils Lake outlets; and

**WHEREAS**, Arne's exceptional knowledge of the Devils Lake Basin and its complexities, has been immensely valuable in working to mitigate the basin's ongoing flood-related challenges. His advice and insight have been markedly important to the Devils Lake outlets, water management of the upper basin, and infrastructure protection in the Devils Lake region; and

**WHEREAS**, Because of Arne's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Arne has served with great devotion and distinction on several boards, including townships, county, school district, Farm Bureau, and Farmers Union organizations throughout the years. Arne has also owned and operated his family farm for more than 40 years; and

**WHEREAS**, Arne's esteemed service on the State Water Commission spanned a period of more than 11 years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Arne Berg for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Arne, his wife Kris, and their family the best of health and happiness in the future.

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	Garland Erbele, State Engineer

# RESOLUTION NO. 2017-08-534 In Appreciation Of

### Maurice Foley

**WHEREAS**, Maurice Foley was appointed as a member of the State Water Commission in 2006 and has admirably served the people of North Dakota until 2017; and

**WHEREAS,** Maurice has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction concerning the Souris River Basin; and

**WHEREAS**, Maurice's exceptional knowledge of the Souris River Basin has been immensely valuable in making progress toward long-term flood-related solutions. His advice and insight were markedly exhibited during the historic Mouse River flood of 2011 and continued throughout the efforts of the Mouse River Enhanced Flood Protection Project; and

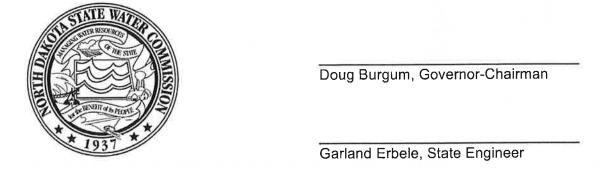
**WHEREAS**, Because of Maurice's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety and prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Maurice has served with great devotion and distinction on several organizations at the national and state level. He admirably served four years in the United States Air Force, was employed by the North Dakota Highway Patrol for six years, worked in the farm implementation business for more than 30 years, was a District Representative for 15 years, and continues to be a representative of the Ward County Water Resource District after 20 years; and

**WHEREAS**, Maurice's esteemed service on the State Water Commission spanned a period of more than 11 years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Maurice Foley for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Maurice, his wife Lynn, and their family the best of health and happiness in the future.



# RESOLUTION NO. 2017-08-535 In Appreciation To

### Larry Hanson

**WHEREAS**, Larry Hanson was appointed as a member of the State Water Commission in 1999 and has admirably served the people of North Dakota until 2017; and

**WHEREAS,** Larry has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction in the Missouri River Basin; and

**WHEREAS**, Larry's exceptional knowledge of the Missouri River Basin and its complexities, has been immensely valuable in the basin's ongoing challenges. He has displayed endless support of the Missouri River and its beneficial uses to North Dakota and other states; and

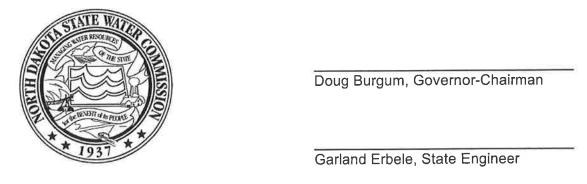
**WHEREAS**, Because of Larry's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Larry has served with great devotion and distinction on several organizations at the national and state level. He admirably reached the rank of Captain in the United States Army and is a proud recipient of the Distinguished Flying Cross. He was a business owner in Williston for 30 years, proudly served as the mayor of the city for four years, and spent seven years on the Williams County Commission; and

**WHEREAS**, Larry's esteemed term on the State Water Commission spanned a period of more than 18 years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Larry Hanson for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Larry, his wife Patti Ann, and their family the best of health and happiness in the future.



### RESOLUTION NO. 2017-08-536 In Appreciation To

### George Nodland

WHEREAS, George Nodland was appointed as a member of the State Water Commission in 2013 and has admirably served the people of North Dakota until 2017; and

**WHEREAS,** George has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction in the Missouri River Basin; and

**WHEREAS,** George's exceptional knowledge of the Missouri River Basin and its challenges, has been immensely valuable in North Dakota's efforts to more effectively utilize the waters of the Missouri River system for the benefit of the citizens of this great state. And George's pivotal leadership and input has greatly benefited and impacted the Southwest Pipeline Project; and

**WHEREAS**, Because of George's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

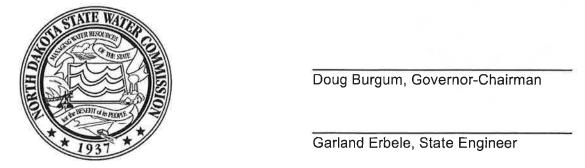
**WHEREAS**, With the admiration and respect of his peers, George has served with great devotion and distinction on several boards and organizations at the national and state level, including the United States Army, the Stark County Commission, Dickinson Public School Board, DSU Heritage Foundation, and is a lifetime member of the VFW. George was also elected to the North Dakota Senate in 2008 and served as a member of the North Dakota Legislative Assembly for one term; and

**WHEREAS**, George was also employed as a Senior Vice President bank officer until his retirement. This financial expertise was extremely valuable to the Commission's efforts to make sound decisions regarding the prioritization and funding of critical water projects throughout the state; and

**WHEREAS**, George's esteemed term on the State Water Commission spanned a period of more than four years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to George Nodland for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish George, his wife Kayleen, and their family the best of health and happiness in the future.



### RESOLUTION NO. 2017-08-537 In Appreciation To

### Harley Swenson

**WHEREAS**, Harley Swenson was appointed as a member of the State Water Commission in 1993 and has admirably served the people of North Dakota until 2017; and

**WHEREAS**, Harley has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction in the Missouri River Basin; and

**WHEREAS,** Harley's exceptional knowledge of the Missouri River Basin and its challenges, has been immensely valuable in North Dakota's efforts to promote improved management and development of the Missouri River System. His advice and insight was markedly exhibited during the historic Missouri River flood of 2011, and he has displayed endless support of the Missouri River and its beneficial and economic uses to North Dakota; and

**WHEREAS**, Because of Harley's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Harley has worked with great devotion and distinction on several water projects in this great state. He is a registered Professional Engineer and licensed land surveyor, co-founder and former president of Swenson, Hagen & Co., has facilitated countless water development projects since 1967, and has been involved in various property development ventures in Bismarck; and

**WHEREAS**, Harley's esteemed term on the State Water Commission spanned a period of more than 24 years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Harley Swenson for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Harley, his wife Margaret, and their family the best of health and happiness in the future.

STATE WATER PROCESSION OF THE STATE	Doug Burgum, Governor-Chairman
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### RESOLUTION NO. 2017-08-538 In Appreciation To

### Robert Thompson

**WHEREAS**, Robert Thompson was appointed as a member of the State Water Commission in 1993 and has admirably served the people of North Dakota until 2017; and

**WHEREAS,** Robert has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction concerning the Red River Basin; and

**WHEREAS,** Robert's exceptional knowledge of the Red River Basin, has been immensely valuable in that region's efforts to address ongoing flood-related challenges. His advice and insight have been exhibited during past flood events, and he has demonstrated unwavering support of the Red River Valley Water Supply Project, and other infrastructure protection in the Red River basin; and

**WHEREAS**, Because of Robert's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Robert has served with great devotion and distinction on several organizations in this great state. He was an original member of the North Cass Water Resource District, the first Chairman of the Red River Joint Water Resource Board, the first President of the North Dakota Grain Growers Association, also serving as the National Director and National Treasurer of the Corn Growers Association, has served on numerous national-level policy committees, and is the founder of Thompson Supply, Inc.; and

**WHEREAS**, Robert's esteemed term on the State Water Commission spanned a period of more than 24 years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Robert Thompson for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Robert, his wife Mary, and their family the best of health and happiness in the future.

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H SENSITI AN PRINT	Doug Burgum, Governor-Chairman
1937	Garland Erbele, State Engineer

# RESOLUTION NO. 2017-08-539 In Appreciation To

### Douglas Vosper

**WHEREAS**, Doug Vosper was appointed as a member of the State Water Commission in 2008 and has admirably served the people of North Dakota until 2017; and

**WHEREAS,** Doug has demonstrated a profound commitment to promoting water resource management, addressing flood protection, providing valuable input in water supply and other water development projects, and contributing influential direction concerning the Red River Basin; and

**WHEREAS**, Doug's exceptional knowledge of the Red River Basin and its complexities, has been immensely valuable in that region's efforts to address ongoing flood-related challenges. His advice and insight have been exhibited during historic flood events, along with his endless support of the Red River Valley Water Supply Project, and infrastructure protection in the Red River region; and

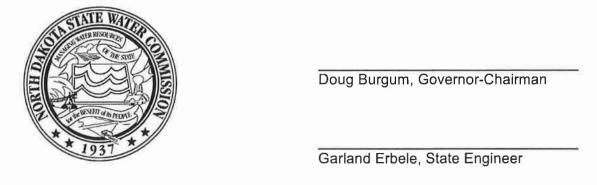
**WHEREAS**, Because of Doug's expertise and guidance as a valued commission member, North Dakota has seen great success in the management and development of our water resources that will ensure health, safety, prosperity, and balance the needs of generations to come; and

**WHEREAS**, With the admiration and respect of his peers, Doug has served with great devotion and distinction on several organizations. He served on the Neche Public School Board, was a member on the Board of Directors for Citizens State Bank out of Cavalier, served as a member of the Pembina River Basin Advisory Board, and operated a family farm near Neche, ND until his retirement; and

**WHEREAS**, Doug's esteemed term on the State Water Commission spanned a period of more than nine years.

**NOW, THEREFORE, BE IT RESOLVED** that Governor Doug Burgum, other members of the North Dakota State Water Commission, and the Water Commission staff, assembled this 23<sup>rd</sup> day of August, 2017, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Douglas Vosper for his admirable and dedicated service to the people of the Great State of North Dakota as a commission member of the North Dakota State Water Commission; and

**BE IT FURTHER RESOLVED** that we wish Doug his wife Deborah, and their family the best of health and happiness in the future.



### **APPENDIX B** August 23, 2017

1 %	E.E. H. C. C. B. C.	10076		Aug
PROGRAM	SALARIES/ SENEFITS	OPERATING EXPENSES	GRANTE & CONTRACTS	4-AUG-17 PROGRAM TOTALS
ADMINISTRATION Allocated Expended Percent	2,729,489 2,680,580 98%	2,806,129 2,038,095 73%		5,535,613 <b>4,</b> 71 <b>8,67</b> 5 85%
			General Fund: Federal Fund: Special Fund:	92,371 <b>4,626,3</b> 05
PLANNING AND EDUCATION Allocated Expended Percent	1,472,573 1,459,252 99%	3 <b>52,9</b> 90 224,538 84%		1,825,563 1 685,390 92%
			General Fund Federal Fund: Special Fund:	234   119 1,451,271
WATER APPROPRIATION Allocated Expended Percent	5,762,691 5,528,119 96%	1,185,300 899,011 76%	1,372,844 1,108,231 81%	8,32 <b>0</b> ,835 7,535,362 91%
			General Fund: Federal Fund: Special Fund:	0 59,429 7,475,933
WATER DEVELOPMENT Allocated Expended Percent	4,713,717 4,462,886 95%	10,742,500 8,037,924 75%	1,562,500 865,457 55%	17,018,717 13,366,267 79%
			General Fund: Federal Fund: Special Fund:	0 200,373 13,165,894
STATEWIDE WATER PROJECTS Allocated Expended Percent			959,003,567 436,312,039 45%	959,003,567 436,312,039 45%
			General Fund: Federal Fund: Special Fund:	0 0 436,312,039
REGULATORY DIVISION Allocated Expended Percent	2,828,565 2,352,848 83%	2,947,500 1,536,552 52%	15,000 0 0%	5,791,065 3,889,401 67%
			General Fund: Federal Fund: Special Fund:	0 1,760,871 2,128,529
ATMOSPHERIC RESOURCE Allocated Expended Percent	1,107,158 1,044,626 94%	743,382 459,120 62%	4,885,212 1,659,258 34%	6,735,752 3,163,004 47%
			General Fund: Federal Fund: Special Fund:	0 0 3,163,004
SOUTHWEST PIPELINE Allocated Expended Percent	512,995 635,318 124%	10,461,744 10,144,105 97%	97,502,498 58,576,773 60%	108,477,237 69,356,195 64%
			General Fund:	0
			Federal Fund: Special Fund:	3,000,000 66,356,195
NORTHWEST AREA WATER SUPP Allocated Expended Percent	PLY 705,632 600,805 85%	13,910,277 4,195,222 30%	Federal Fund:	3,000,000
Allocated Expended	705,632 600,805	4,195,222	Federal Fund: Special Fund: 31,611,573 1,551,604	3,000,000 66,356,195 46,227,482 6,347,632
Allocated Expended	705,632 600,805	4,195,222	Federal Fund: Special Fund:  31,611,573 1,551,604 5%  General Fund: Federal Fund:	3,000,000 66,356,195 46,227,482 6,347,632 14% 0

### STATE WATER COMMISSION PROJECT SUMMARY 2015-2017 BIENNIUM

					Jun-17
	BUDGET	SWC/SE APPROVED	OBLIGATIONS EXPENDITURES	REMAINING UNOBLIGATED	REMAINING UNPAID
FLOOD CONTROL					
FARGO	228,506,200	228,506,200	150,130,113	Ō	78,376,087
GRAFTON	33,925,000	33,925,000	1,750,000	0	32,175,000
MOUSE RIVER FLOOD CONTROL	42,533,741	42,533,741	13,714,549	0	28,819,192
VALLEY CITY	28,458,354	27,312,537	10,619,078	1,145,817	16,693,459
LISBON	15,494,752	15,494,752	6,494,742	0 225.000	9,000,010
FORT RANSOM	225,000	0	0	3,076,918	3,655,517
WILLISTON	6,732,435	3,655,517 7,117	7,117	14,037	0,000,017
RENWICK DAM	21,154	4,000,000	4,000,000	17,007	ō
MISSOURI RIVER FLOOD CONTROL	4,000,000	4,000,000	4,000,000		
FLOODWAY PROPERTY ACQUISITIONS	07 050 070	27,858,972	19,915,743	0	7,943,229
MINOT	27,858,972 6,046,590	6,046,590	31,243	0	6,015,347
WARD COUNTY	4,017,403	4,017,403	1,868,206	0	2,149,197
VALLEY CITY	232,649	(114,552)	(114,552)	347,201	0
BURLEIGH COUNTY	184,260	184,260	48,416	0	135,844
SAWYER LISBON	626,250	626,250	22,950	0	603,300
BURLINGTON	45,516	45,516	43,350	0	2,166
STATE WATER SUPPLY REGIONAL & LOCAL WATER SYSTEMS FARGO WATER TREATMENT PLANT SOUTHWEST PIPELINE PROJECT NORTHWEST AREA WATER SUPPLY	184,401,734 22,768,775 105,120,160 15,754,482	182,563,918 22,768,775 105,120,160 15,754,482	86,016,498 22,768,775 66,431,752 3,246,020	1,837 <u>,</u> 816 0 0 0 0	96,547,420 0 38,688,408 12,508,462 9,044,426
WESTERN AREA WATER SUPPY AUTHORITY	82,201,384	82,201,384	73,156,958 12,391,845	0	129,483
RED RIVER VALLEY WATER SUPPLY CENTRAL NORTH DAKOTA WATER SUPPLY UNOBLIGATED STATE WATER SUPPLY	12,521,328 70,070,800 2,156,155	12,521,328 70,800	69,804	70,000,000 2,156,155	997
GENERAL WATER MANAGEMENT					
OBLIGATED UNOBLIGATED GENERAL WATER	57,138,016 15,787,990	57,138,016	25,594,904	0 15,787,990	31,543,112
DEVILS LAKE		070 000	0	0	870,802
OUTLET	870,802	870,802	0 8,506,237	0	10,027,973
OUTLET OPERATIONS	18,534,211	18,534,210 2,774,011	505,355	0	2,268,656
DL EAST END OUTLET	2,774,011	2,774,011	303,333	Ü	2,200,000
REVOLVING LOAN FUND		40 40: -	F 000 044	AGE 700	4,681,900
GENERAL WATER PROJECTS	11,000,000	10,574,214		425,786 10,033,115	1,189,000
WATER SUPPLY	25,000,000	14,966,885	13,777,885	10,000,110	1,103,000
	1,025,008,125	919,958,288	526,889,302	105,049,837	393,068,986

				PROGRAM DELIGATION	Initial			300-17
Approves		_	2	Project	Approved Date	Total Approved	Totai Paymams	Belance
<u></u>	No	Dept	Sponsor	under	Date	799,0101	: 23(1.54(15	53721103
				Flood Control:	2/02/2000	00 500 000	70 505 050	20,001_13
	1928-01	5000 5000		Fargo Flood Control Project Interior Flood Control Project	6/23/2009 12/11/2015	99,506,200 30,000,000	79,505,069 30,000,000	20,001_13
	1928-02 1928-03	5000		Interior Disaster Relief Fund	12/11/2015	30,000,000	30,000,000	
	1928-05	5000	Metro Flood Diversion Authority	Fargo Metro Flood Diversion Authority 2015-2017	7/8/2016	000,000,68	10.625,044	58.374,95
	1771-01	5000		Grafton Flood Control Project	10/12/2018	32,175,000	1.750.000	32.175,00
	1771-02 1974-06	5000 5000		Grafton Flood Risk Reduction Project Development of 2011 Flood Inundation Maps	12/5/2014 12/18/2015	1,750,000 5,800	1,750,000 4,078	1,52
B 2371	1974-08	5000		Mouse River Reconnaissance Study to Meet Fed Guidi	2/15/2013	0	Ð	
D 207 1	1974-09	5000	Souris River Joint WRD	Mouse River Flood Control Design Engineering	8/8/2018	7,317,512	7,220,816	96,69
	1974-11	5600		Funding of 214 agreement between SRJB & USACE	12/5/2014 3/9/2016	106,500 7,200,000	75,000 1,304,025	31,5 5,895,9
	1974-14 1974-15	5000 5000		StARR Program (Structure Acquisition, Relocation, or F. Perkett Ditch Improvements	12/2/2016	2,188,592	1.783,999	404.5
	1974-10	5000		Corps of Engineers Feasibility Study MREFPP	12/9/2018	750,CC0	394,454	355,5
	1974-13	5000		Rural Reaches, Preliminary Engineering	10/12/2016	250,500	23.059	236.9
	1974-19	5000		4th Avenue Tieback Levee & Bunington Levee - Desig. Utility Relocations	10/12/2016 10/12/2016	3,900,000 467,057	1,607,6 <b>5</b> 9 45,023	2,292,3 4 <u>22,</u> 0
	1974-20 1974-21	5000 5000		Highway 83 Bypass & Bridge Replacement	10/12/2019	1,983,623	5	1,983,6
	i374-22	5000	Souris River Joint WRD	Broadway Pump Station	3/29/2017	15,197,000	0	15,197,0
	1974-23	5000		Peterson Coulee Outlet Independent Peer Review Phases BU-1 & MF5	3/29/2017 3/29/2017	1,427,522 171, <del>9</del> 09	5	1,427,0 171,9
	1974-24 1758	5000 5000		International Joint Commission Study Bosro	5/29/2014	302,500	2	302,5
	1993-01	5000		Downtown Infrastructure Improvements	9/15/2014	1,256,426	1,256,428	
SB 2371		5000		Sheyenne River Vailey Flood Control Project	12/5/2015	156,993	156,993	TO 1
	1344-04 1504-01	5000 5000		Sheyenne River Valley Flood Control Project PHII Permanent Flood Protection Project	8/29/2016 12/5/2014	1:147,500 9.850,444	1,089,089 9,372,999	5.85 4.77,4
	1504-02	5000		Permanent Flood Protection Project (LOAN)	12/5/2014	3,000,000	Đ	3,000,0
	1504-03	5000	Valley City	Permanent Flood Protection FH III	12/9/2018	13,157,600	0	13,157,6
SB 2371		5000		Sheyenne River Valley Flood Control Project	8/8/2016 5/29/2014	2,281,610 561,702	1,281,028 414,733	1,000,5 146,9
	1991-01 1991-03	5000 5000		Permanent Flood Protection Project Permanent Flood Protection - Levee C Project	3/11/2015	3,153,440	2,775,641	377,7
	1991-03	5000	City of Lisbon	Permanent Flood Protection - Laves E Project	3/9/2016	2,098,000	2,013,875	84,1
	1991-08	5000	City of Lisbon	Permanent Flood Protection - Leves D Project	3/29/2017	3,500,000	9,465	3,590,5
SB 2371	1991-10	5000 5000		Permanent Flood Protection - Levee F Project Sheyenne River Valley Flood Control Project	6/22/2017 6/19/2013	000,006,8	0	3,800,0
30 2311	849	5000		Renwick Dam Rehabilitation	6/26/2014	7,117	7,117	
SB 2020		5000	Burleigh Co. WRD	Missouri River Correctional Center	9/21/2015	1,200,000	1,200,000	
SB 2020		5000		Fox Island Flood Control Funding Update	9/21/2015	2,800,000	2,800,000 0	3,855,5
	2079	5000	City of Williston	West Williston Flood Control	12/9/2016	3,655,517	Ü	0,000,0
				Subtotal Flood Control		355,434,884	188, <b>71</b> 5,599	168,719,20
				Floodway Property Acquisitions:				
	1993-05	5000		Minot Phase 2 - Floodway Acquisitions	3/29/2017	27,858,972	19,915,743	7,943,2
	1523-05	5000		Ward County Phase 1, 2 & 3 - Floodway Acquisitions	1/27/2012 8/29/2016	6,045,590 4,017,403	31,243 1,868,206	6,015,3 2,149,1
	1504-05 1992-05	5000 5000	ValleyCity Burleigh Co. WRD	Valley City Phase 1 - Floodway Acquisitions Burleigh Co. Phase 1 - Floodway Acquisitions	3/7/2012	(114,552)	(114,552)	2,140,1
		5000	City of Sawyer	Sawyer Phase 1 - Floodway Acquisitions	6/13/2012	184,260	48,416	135,84
SB 2371								
SB 2371	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition	12/9/2016	626,250	22,950	
SB 2371					12/9/2016 5/10/2017	626,250 45,516	22,950 43,350	
SB 2371	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition				603,30 2,16 16,849,08
SB 2371	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition  Mouse River Enhanced Flood Plan Property Acquistion		45,516	43,350	2,16
SB 2371	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquistion Subtotal Floodway Property Acquisitions		45,516	43,350	2,1
SB 2371	1991-05 1987-05	5000 5000	City of Lisbon City of Burlington	Lisbon - Floodway Acquisition  Mouse River Enhanced Flood Plan Property Acquistion		45,516	43,350	2,1
SB 2371	1991-05	5000	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III	5/10/2017 6/13/2012 2/27/2013	45,515 38,664,439 303,715 4,443,172	43,350 21,815,356 303,715 4,443,172	2,1
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-38	5000 5000 5000 5000 5000	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutsmen Rural Water System - Phase IIB, III Kilder Co & Carrington Area Expansion	5/10/2017 6/13/2012 2/27/2013 7/23/2013	45,516 38,664,439 303,715 4,443,172 1,287,861	43,350 21,815,358 303,715 4,443,172 1,287,861	2,1 16,849,0
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-38 2373-39	5000 5000 5000 5000 5000 5000	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutsmen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2	6/13/2012 2/27/2013 7/23/2013 5/29/2014	45,516 38,664,439 303,715 4,443,172 1,287,861 2,970,141	43,350 21,815,358 303,715 4,443,172 1,287,861 544,974	2,1 16,849,0 2,425,1
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-38 2373-39 2373-41	5000 5000 5000 5000 5000 5000 5000	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutsmen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2	5/10/2017 6/13/2012 2/27/2013 7/23/2013	45,516 38,664,439 303,715 4,443,172 1,287,861	43,350 21,815,358 303,715 4,443,172 1,287,861	2,1 16,849,0 2,425,1
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-36 2373-38 2373-31 2050-01 2050-02	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements	6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058	303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519	2,1 16,849,0 2,425,1 1,831,5
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-36 2373-39 2373-41 2050-01 2050-02 2050-03	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437	43,350 21,815,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437	2,1 16,849,0 2,425,1 1,831,5
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-39 2373-39 2373-39 2373-39 2050-01 2050-02 2050-03 2050-04	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Northeast Regional WD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma	6/13/2017 6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341	2,1 16,849,0 2,425,1 1,831,5
SB 2371	2373-35 2373-36 2373-38 2373-38 2373-39 2373-41 2050-02 2050-03 2050-04 2050-05	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Northeast Regional WD Northeast Regional WD Northeast Regional WD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437	43,350 21,815,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437	2,1 16,849,0 2,425,1 1,831,5
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-39 2373-39 2373-39 2373-39 2050-01 2050-02 2050-03 2050-04	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Northeast Regional WD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutsmen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1	6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 869,341 240,672 937,870 1,657,591	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870	2,1 16,849,0 2,425,1 1,831,5
SB 2371	2373-35 2373-36 2373-36 2373-39 2373-41 2050-01 2050-04 2050-05 2050-06 2050-06 2050-06	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Watsh RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutsmen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Street North Valley WD - Rural Expansion Ground Storage	6/13/2012 2/27/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013	303,715 4,443,172 1,267,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,582 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977	2,425,1 1,831,5
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-38 2373-31 2050-01 2050-02 2050-05 2050-05 2050-07 2050-09 2050-09	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Walsh RWD City of Park River	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Manden Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 North Valley WD - 9 Street North Valley WD - 9 Street North Valley WD - Rural Expansion Ground Storage Water Tower	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015	45,516 38,664,439 303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,506 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225	2,1 16,849,0 2,425,1 1,831,5
SB 2371	2373-35 2373-36 2373-36 2373-39 2373-41 2050-01 2050-04 2050-05 2050-06 2050-06 2050-06	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Watsh RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutisman Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville - Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 North Valley WD - ABM Pipeline Phase 1 North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements	6/13/2012 2/27/2013 7/23/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,582 168,600 4,330,519 540,437 859,341 240,672 937,870 1,657,591 159,977 571,225 1,117,800	2,1 16,849,0 2,425,1 1,831,5 38,5
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-39 2373-39 2050-01 2050-05 2050-05 2050-06 2050-07 2050-08 2050-09 2050-01 2050-01	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Park River City of Surrey Cass RWD City of Mandan	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements Phase 2 Plant Improvements New Raw Water Intake	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,677,591 169,977 571,225 1,117,800 3,951,363 1,567,676	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004	2,1 16,849,0 2,425,1 1,631,5 38,5
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-39 2373-41 2050-02 2050-04 2050-05 2050-06 2050-06 2050-09 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Walsh RWD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stufsmen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Manden Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements	6/13/2012 2/27/2013 7/23/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762	2,1 16,849,0 2,425,1 1,831,5 38,5
SB 2371	1991-05 1987-05 2373-35 2373-36 2373-38 2373-39 2373-41 2050-01 2050-02 2050-03 2050-05 2050-05 2050-09 2050-10 2050-11 2050-13 2050-13 2050-14 2050-14	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Cortheast Region	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville - Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phese 1 Anoth Valley WD - ABM Pipeline Phese 1 North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004	2,1 16,849,0 2,425,1 1,831,5 38,5
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-39 2373-41 2050-02 2050-04 2050-05 2050-06 2050-06 2050-09 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01 2050-01	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Walsh RWD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stuftsmen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Sy Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Turke Improvements New Raw Water Intake Improvements Improvements	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,608 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,884,412	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778	2,425,1 1,515,6 2,281,9 1,096,8
SB 2371	2373-35 2373-35 2373-38 2373-39 2373-41 2050-01 2050-05 2050-06 2050-07 2050-07 2050-01 2050-01 2050-01 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mashbum Tri-County RWD Barnes Rural RWD City of Grafton	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Manden Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Improvements Improvements Vater Treatment Plant Phase 3	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,894,412 3,381,148	43,350 21,815,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805	2,1 16,849,0 2,425,1 1,631,6 38,5
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-41 2050-01 2050-02 2050-03 2050-07 2050-07 2050-09 2050-10 2050-11 2050-13 2050-14 2050-15 2050-15 2050-15 2050-15 2050-17 2050-17	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD Othopest Regional WD City of Park River City of Surey Cass RWD City of Mandan City of Mandan City of Mandan City of Mandan City of Grafton	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements	6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013	303,715 4,443,172 1,297,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,894,412 3,849,151	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151	2,15,849,0 2,425,1 1,631,5 38,5 1,515,6 2,281,6 1,096,8
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-39 2373-41 2050-01 2050-02 2050-05 2050-06 2050-07 2050-09 2050-10 2050-11 2050-12 2050-11 2050-13 2050-17 2050-18 2050-18 2050-18	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Washbum Tri-County RWD Barmes Rural RWD City of Grantion City of Grant Forks City of Grant Forks City of Grant Forks City of Ibickinson	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Manden Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Improvements Improvements Vater Treatment Plant Phase 3	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 3/11/2015 3/11/2015 3/11/2015 5/29/2014 10/7/2013 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,894,412 3,381,148	43,350 21,815,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805	2,1 16,849,0 2,425,1 1,831,5 38,5 1,515,6 2,281,6 1,096,8 816,3
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-41 2050-01 2050-02 2050-03 2050-07 2050-07 2050-09 2050-10 2050-11 2050-13 2050-14 2050-15 2050-15 2050-15 2050-15 2050-17 2050-17	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Park River City of Surey Cass RWD City of Mandan City of Mandan City of Washburn Tif-County RWD Bames Rural RWD City of Grafton City of Grafton City of Grafton City of Grand Forks City of Dickinson Watford City City of Williston	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Vater Treatment Plant Phase 3 Water Treatment Plant Improvements Vater Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure	6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 228,762 2,334,250 845,000 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,582 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,383 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,281,794	2,425,1 1,515,6 2,281,9 1,096,8 816,3
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-39 2373-41 2050-01 2050-02 2050-03 2050-04 2050-05 2050-06 2050-07 2050-01 2050-11 2050-13 2050-13 2050-14 2050-15 2050-17 2050-18 2050-19 2050-19 2050-21 2050-21	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mandan City of Granter City of Williston Watford City City of Williston Greater Ramsey WRD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutsmen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 North Valley WD - ABM Pipeline Phase 1 North Valley WD - 93 Street North Valley WD - Pural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Water Treatment Plant Improvements Water Treatment Plant Improvements Water Treatment Plant Improvements Capital Infrastructure	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013	303,715 4,443,172 1,267,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,884,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 159,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,251,794 3,433,763	2,1 16,849,0 2,425,1 1,831,5 38,5 1,515,6 2,281,6 1,096,6 816,3 1,793,5
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-38 2373-39 2050-01 2050-05 2050-05 2050-06 2050-07 2050-08 2050-09 2050-11 2050-13 2050-15 2050-15 2050-16 2050-17 2050-16 2050-17 2050-17 2050-19 2050-19 2050-21 2050-22 2050-23 2050-23	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mandan City of Washburn Tri-County RWD Barnes Rural RWD City of Grand Forks City of Grand Forks City of Olickinson Watford City City of Williston Greater Ramsey WRD All Seasons Water District	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 9 Street North Valley WD - 9 Street North Valley WD - 9 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion	6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2014 10/7/2014	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 222,500	43,350 21,215,358 303,715 4,443,172 1,287,843,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,281,794 3,433,753 0	2,15,849,0 2,425,1 1,815,6 38,5 1,515,6 2,281,6 1,096,8 816,3 1,793,5 536,6 765,7 292,5
56 2371	2373-35 2373-35 2373-36 2373-38 2373-38 2373-39 2373-41 2050-03 2050-07 2050-07 2050-07 2050-09 2050-07 2050-01 2050-11 2050-13 2050-14 2050-15 2050-17 2050-17 2050-18 2050-19 2050-12 2050-12 2050-12 2050-13 2050-1	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Surey Cass RWD City of Grand City of Mandan City of Mandan City of Washbum Tif-County RWD Bames Rural RWD City of Grand Forks City of Grand Forks City of Dickinson Watford City City of Williston Greater Ramsey WRD All Seasons Water District All Seasons Water District	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase I	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013	303,715 4,443,172 1,267,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,884,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547	43,350 21,215,358 303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 159,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,251,794 3,433,763	2,16,849,0 2,425,1,831,6 38,4 1,515,6 2,281,6 1,096,6 816,7 1,793,6 536,6 765,7 292,5
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-38 2373-39 2050-01 2050-05 2050-05 2050-06 2050-07 2050-08 2050-09 2050-11 2050-13 2050-15 2050-15 2050-16 2050-17 2050-16 2050-17 2050-17 2050-19 2050-19 2050-21 2050-22 2050-23 2050-23	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mandan City of Washburn Tri-County RWD Barnes Rural RWD City of Grand Forks City of Grand Forks City of Olickinson Watford City City of Williston Greater Ramsey WRD All Seasons Water District	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Improvements Vater Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Expansion System 1 Well Field Expansion Bottineau County Expension Improvements Fargo Water System Regionalization Improvements Fargo Water System Regionalization Improvements	5/10/2017  6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2014 10/7/2014 10/7/2014 10/7/2014 10/7/2014 10/7/2014 10/7/2014 10/7/2015 10/29/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 188,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,177,800 3,951,363 1,567,676 226,762 2,334,250 8,45,000 6,824,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 222,500 939,000 6,841,750 2,190,000	43,350 21,215,358 303,715 4,443,172 1,287,861 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,670 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,281,794 3,433,763 0 566,642 2,709,962 2,058,331	2,16,849,0 2,425,1,831,6 38,8 1,515,6 2,281,1,096,816,3 1,793,6 536,6 765,7,7 292,2 299,3 4,131,7 131,6
59 2371	2373-35 2373-36 2373-36 2373-38 2373-39 2373-41 2050-01 2050-02 2050-05 2050-06 2050-07 2050-09 2050-11 2050-12 2050-11 2050-11 2050-15 2050-11 2050-15 2050-16 2050-16 2050-16 2050-17 2050-18 2050-18 2050-20 2050-21	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park River City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Washbum Tri-County RWD Bames Rural RWD City of Granto City of Fargo City of Tioga City of Mandan	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stuisman Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville - Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phase 1 North Valley WD - ABM Pipeline Phase 1 North Valley WD - 93 Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Tower Water Supply Improvements New Raw Water Intake Improvements New Raw Water Intake Improvements Water Treatment Plant Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Sottineau County Extension, Phase 1 Fargo Water Supply Improvement Project Water Systems Improvement Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2015 10/2/2015 10/2/2015 7/29/2015 7/29/2015 7/29/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 2,26,762 2,334,250 845,000 6,844,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 2,96,000 6,841,750 2,90,000 6,841,750 2,190,000 2,582,535	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 51,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 1,360,413 7,722,558 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,7	2,425,1,831,4 1,515,6 1,515,6 2,281,1 1,096,6 816,7 1,793,536,6 765,7 292,2 299,4,131,1 131,6
SB 2371	2373-35 2373-35 2373-38 2373-39 2373-31 2050-01 2050-05 2050-06 2050-07 2050-07 2050-01 2050-11 2050-13 2050-14 2050-13 2050-14 2050-12 2050-13 2050-14 2050-13 2050-14 2050-12 2050-13 2050-14 2050-15 2050-16 2050-17 2050-18 2050-19 2050-22 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-27 2050-25 2050-27 2050-27 2050-29	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mashbum Tri-County RWD Barnes Rural RWD City of Graffon City of Graffon City of Graffon City of Williston Watford City City of Williston Greater Ramsey WRD All Seasons Water District All Seasons Water District City of Fargo City of Mandan City of Fargo City of Fargo City of Fargo City of Fargo City of Minot	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - Street North Valley WD - Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Expansion System's Improvement Project Water System's Improvement Project Water System's Improvement Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2014 10/7/2015 7/29/2015 7/29/2015 7/29/2015 7/29/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,844,412 3,381,148 3,849,151 9,516,065 1,887,040 2,281,794 4,199,547 292,500 986,000 6,841,750 2,190,000 2,582,535 3,634,000	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 22,323 845,000 5,797,778 3,849,151 7,722,558 1,350,413 2,281,794 3,433,753 0 596,842 2,709,962 2,058,331 576,770 155,353	2,425,1,831,8 2,425,1,831,8 38,5 1,515,6 2,281,6 1,793,6 536,6 765,7 292,6 293,3 4,131,7 1,34,78,6
SB 2371	2373-35 2373-35 2373-36 2373-39 2373-34 2050-01 2050-03 2050-01 2050-05 2050-08 2050-09 2050-10 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-15 2050-16 2050-17 2050-19 2050-20 2050-20 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Nissouri West Water System Grand Forks Traill RWD Northeast Regional WD Othor Regional WD Northeast Regional WD Northeast Regional WD Northeast Regional WD Othy of Wash RWD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Washburn Tri-County RWD Barnes Rural RWD City of Grand Forks City of Grand Forks City of Grand Forks City of Williston Greater Ramsey WRD All Seasons Water District All Seasons Water District City of Fargo City of Mandan City of Minot Watford City	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Sa Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Vater Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase I Fargo Water System Regionalization Improvements Tioga Water System Regionalization Improvements Tioga Water Systems Improvement Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2015 10/2/2015 10/2/2015 7/29/2015 7/29/2015 7/29/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 8,45,000 6,884,412 3,381,148 3,849,151 9,516,065 1,887,040 2,281,794 4,199,547 292,500 896,000 6,841,750 2,190,000 2,582,535 3,634,000 5,435,087	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 51,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 1,360,413 7,722,558 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,722,588 1,360,413 7,7	2,425,1,831,831,831,831,831,831,831,831,831,8
58 2371	1991-05 1987-05 1987-05 2373-36 2373-38 2373-39 2373-41 2050-01 2050-05 2050-05 2050-06 2050-07 2050-01 2050-01 2050-11 2050-11 2050-12 2050-11 2050-13 2050-13 2050-13 2050-13 2050-13 2050-13 2050-13 2050-13 2050-13 2050-23 2050-23 2050-23 2050-23 2050-23 2050-23 2050-23 2050-24 2050-25 2050-26 2050-26 2050-27 2050-27 2050-28	5000 5000 5000 5000 5000 5000 5000 500	City of Lisbon City of Burlington  Grand Forks - Traill RWD Stutsman Rural RWD Stutsman Rural RWD Stutsman Rural RWD North Central Rural Water Consortium Missouri West Water System Grand Forks Traill RWD Northeast Regional WD City of Park Regional WD City of Park River City of Surrey Cass RWD City of Mandan City of Mandan City of Mashbum Tri-County RWD Barnes Rural RWD City of Graffon City of Graffon City of Graffon City of Williston Watford City City of Williston Greater Ramsey WRD All Seasons Water District All Seasons Water District City of Fargo City of Mandan City of Fargo City of Fargo City of Fargo City of Fargo City of Minot	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - Street North Valley WD - Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Expansion System's Improvement Project Water System's Improvement Project Water System's Improvement Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/17/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015 7/29/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,844,412 3,381,148 3,849,151 9,516,065 1,887,040 2,281,794 4,199,547 292,500 986,000 6,841,750 2,190,000 2,582,535 3,634,000	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,670 1,657,591 169,977 571,225 51,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,380,413 2,281,794 3,433,763 1,506,413 2,281,794 3,433,763 566,642 2,709,962 2,058,3391 576,770 155,353 60,448	2,16,849,0 2,425,1,831,8 38,4 1,515,6 2,281,6 1,096,6 816,3 1,793,5 536,6 765,7 292,5 293,3 4,131,7 131,6 2,005,7 3,478,6
56 2371	2373-35 2373-35 2373-36 2373-39 2373-34 2050-01 2050-03 2050-01 2050-05 2050-08 2050-09 2050-10 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-15 2050-16 2050-17 2050-19 2050-20 2050-20 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park Regional WD  City of Surrey  Cass RWD  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Washbum  Tit-County RWD  Bames Rural RWD  City of Grand Forks  City of Grand Forks  City of Williston  Greater Ramsey WRD  All Seasons Water District  All Seasons Water District  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Mandan  City of Mandan  City of Fargo  City of Minot  Watford City  City of Walliston  City of West Fargo  City of Williston  Stutsman RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisition  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Sa Street North Valley WD - Sa Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase I Fargo Water System Regionalization Improvements Tioga Water Supply Improvement Project Water Systems Improvement Project Phase V Storage & Pipeline Expansion Project	6/13/2012 2/27/2013 7/23/2013 7/23/2014 10/24/2016 3/17/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/7/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 8,45,000 6,884,412 3,381,148 3,849,151 9,516,065 1,887,040 2,281,794 4,199,547 292,500 896,000 6,841,750 2,190,000 2,582,535 3,634,000 5,435,087 3,426,210 10,890,472 4,170,100	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,556 1,360,413 2,281,794 3,433,763 566,642 2,709,662 2,058,3391 576,770 155,353 60,448 2,339,508 3,033,462 2,397,340	2,425,1,831,8 2,425,1,831,8 38,8 1,515,6 2,281,9 1,096,6 815,3 1,793,1 1,31,6 2,005,7 3,4,731,7 1,31,6 1,086,6 7,857,0 1,172,7
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-38 2373-39 2373-41 2050-01 2050-02 2050-03 2050-04 2050-05 2050-06 2050-07 2050-01 2050-11 2050-15 2050-17 2050-18 2050-17 2050-18 2050-19 2050-21 2050-2	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mandan  City of Mandan  City of Grand Forks  City of Grafton  City of Grafton  City of Williston  Greater Ramsey WRD  All Seasons Water District  All Seasons Water District  City of Fargo  City of Mandan  City of Minot  Watford City  City of West Fargo  City of West Fargo  City of Williston  Stutsman RWD  North Prairie RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - ABM Pipeline Phese 1 Langdon RWD - ABM Pipeline Phese 1 North Valley WD - 33 Street North Valley WD - By Fipeline Phese 1 North Valley WD - Pural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Improvements Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure System 1 Well Field Expansion System 1 Well Field Expansion System 1 Well Field Expansion Tioga Water System Regionalization Improvements Tioga Water System Regionalization Improvements Tioga Water Systems Improvement Project Phase V Storage & Pipeline Expansion Project Storage and Water Main	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015 7/29/2015 7/29/2015 7/29/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,608 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 2,25,762 2,334,250 45,000 6,844,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 6,841,750 2,190,000 6,841,750 6,841,841 6,841,84	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 51,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,564,805 3,849,151 7,722,558 1,360,413 2,564,805 3,849,151 7,722,558 1,360,413 5,564,22 2,709,962 2,058,391 576,770 155,353 60,448 2,339,508 3,033,462 2,997,340 1,451,751	2,425,1,831,1,515,1,1,793,1,1,72,1,1,72,1,964,7,857,1,1,72,1,966,7,857,1,1,72,1,966,7,857,1,1,72,1,966,7,857,1,1,72,1,966,7,857,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-39 2373-41 2050-05 2050-06 2050-06 2050-07 2050-08 2050-09 2050-11 2050-13 2050-14 2050-13 2050-14 2050-15 2050-16 2050-17 2050-18 2050-19 2050-22 2050-25 2050-2	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Struss Regional WD  City of Struss Regional WD  Northeast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mashbum  Tri-County RWD  Bames Rural RWD  City of Grafton  City of Grafton  City of Williston  Watford City  City of Williston  All Seasons Water District  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Mandan  City of Williston  Greater Ramsey WRD  All Seasons Water District  All Seasons Water District  City of Fargo  City of Minot  Watford City  City of Williston  City of West Fargo  City of Williston  Stutsman RWD  North Prairie RWD  Southeast Water Users Dist	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - Patral Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase 1 Fango Water System Regionalization Improvements Troga Water Systems Improvement Project Phase V Storage & Pipeline Expansion Project Storage and Water Main System Wide Expansion Feasibility Study	5/10/2017  6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 1,88,606 4,369,058 540,437 889,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 396,000 6,841,794 4,199,547 292,500 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 6,941,750	43,350  21,215,358  303,715 4,443,172 1,287,821 1,287,82	2,425, 1,831, 38,4 1,515, 2,281, 1,096, 816, 292, 299, 4,131, 1,205, 3,478, 5,374, 1,086, 7,857, 1,172, 1,968, 10,410,
59 2371	2373-35 2373-35 2373-36 2373-38 2373-38 2373-39 2373-41 2050-03 2050-04 2050-05 2050-07 2050-08 2050-07 2050-10 2050-11 2050-11 2050-14 2050-15 2050-16 2050-17 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-11 2050-12 2050-13 2050-13 2050-13 2050-22 2050-23 2050-23 2050-23 2050-23 2050-23 2050-23 2050-33 2050-33 2050-34 2050-34 2050-34 2050-34 2050-34	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Wandan  City of Mandan  City of Mandan  City of Washburn  Tit-County RWD  Barnes Rural RWD  City of Grand Forks  City of Grand Forks  City of Olickinson  Watford City  City of Williston  Greater Ramsey WRD  All Seasons Water District  All Seasons Water District  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Mindt  Watford City  City of Mindt  Watford City  City of Williston  Stutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Street North Valley WD - Pural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase I Fargo Water System Regionalization Improvements Tioga Water System Regionalization Improvements Tioga Water Systems Improvement Project Storage and Water Main System Wide Expansion Feasibility Study Water Systems Improvement Project	6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/7/2015 10/7/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,297,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 8,45,000 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 896,000 6,841,750 2,190,000 2,582,535 3,634,000 6,341,750 2,190,000 2,582,535 3,634,000 6,343,687 3,426,210 10,890,472 4,1770,100 3,459,837 11,325,000 1,042,500	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 168,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 1,360,413 2,281,794 3,433,753 596,642 2,709,962 2,058,3391 576,770 155,353 60,444 2,339,508 3,033,462 2,937,340 1,491,751 1,415,855 367,619	2,425,1,831,1 38,4 1,515,1 2,281,1 1,096,6 816,3 1,793,1 536,1 2,295,3 4,131,1 131,6,1 1,086,6 7,857,0 1,172,7 1,968,6 10,410,1 674,6
56 2371	1991-05 1987-05 1987-05 2373-35 2373-38 2373-39 2373-41 2050-01 2050-02 2050-03 2050-04 2050-05 2050-06 2050-07 2050-01 2050-11 2050-13 2050-13 2050-17 2050-18 2050-18 2050-19 2050-19 2050-21 2050-25 2050-25 2050-21 2050-25 2050-25 2050-25 2050-25 2050-21 2050-25 2050-35 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park River  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mandan  City of Grand Forks  City of Grand Forks  City of Williston  Greater Ramsey WRD  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Mandan  City of Fargo  City of Mandan  City of Minot  Watford City  City of West Farge  City of West Farge  City of Williston  Stutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  City of Dickinson  City of Dickinson  City of Dickinson	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutsmen Rural Water System - Phese IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 North Valley WD - By Street North Valley WD - By Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Improvements Water Treatment Plant Improvements Vater Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure System 1 Well Field Expansion System 1 Well Field Expansion System 1 Well Field Expansion Improvements Tioga Water System Regionalization Improvements Tioga Water System Regionalization Improvements Tioga Water Systems Improvement Project Dickinson State Avenue South Water Main	5/10/2017  6/13/2012 2/27/2013 7/23/2013 5/29/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 1,88,606 4,369,058 540,437 889,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 396,000 6,841,794 4,199,547 292,500 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 6,941,750	43,350  21,215,358  303,715 4,443,172 1,287,821 1,287,82	2,1 16,849,0 2,425,1 1,515,6 2,281,6 1,096,6 816,3 1,793,5 536,6 765,7 292,5 293,3 4,131,7 1,131,6 5,374,6 1,086,6 7,857,0 1,172,7 1,988,6 10,410,1 674,8 963,9
SB 2371	2373-35 2373-35 2373-38 2373-38 2373-39 2373-41 2050-05 2050-06 2050-06 2050-07 2050-08 2050-09 2050-11 2050-13 2050-14 2050-13 2050-14 2050-15 2050-16 2050-17 2050-18 2050-19 2050-19 2050-22 2050-25 2050-35 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  Northeast Regional Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mashbum  Tri-County RWD  Barnes Rural RWD  City of Grafton  City of Grafton  City of Olickinson  Watford City  City of Williston  Greater Ramsey WRD  All Seasons Water District  All Seasons Water District  All Seasons Water District  City of Fargo  City of Minot  Watford City  City of West Fargo  City of Williston  Sutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  Dakota Rural Water District	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Street North Valley WD - Pural Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Water Treatment Plant Phase 3 Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure SW Nelson County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase I Fargo Water System Regionalization Improvements Tioga Water System Regionalization Improvements Tioga Water Systems Improvement Project Storage and Water Main System Wide Expansion Feasibility Study Water Systems Improvement Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,608 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 2,26,762 2,334,250 845,000 6,844,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 2,562,535 3,634,000 6,841,750 2,190,000 2,582,535 3,634,000 5,435,087 3,426,210 10,890,472 4,170,100 3,459,837 11,826,000 1,425,500 965,000 1,425,500 965,000	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 189,977 571,225 51,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 1,360,413 2,722,558 1,360,413 2,709,962 2,058,391 576,770 155,353 60,448 2,339,508 3,033,462 2,997,340 1,451,751 1,415,855 367,619 1,080	2,425,1 1,515,6 2,425,1 1,831,5 38,5 1,536,6 816,3 1,793,5 536,6 2,005,7 1,316,6 2,005,7 1,172,7 1,968,0 1,172,7 1,968,0 1,471,1 1,968,0 1,471,1 1,968,0 1,968
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-38 2373-39 2373-41 2050-01 2050-02 2050-03 2050-04 2050-05 2050-06 2050-07 2050-01 2050-11 2050-13 2050-13 2050-17 2050-18 2050-18 2050-19 2050-19 2050-21 2050-25 2050-25 2050-21 2050-25 2050-25 2050-25 2050-25 2050-21 2050-25 2050-35 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park River  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mandan  City of Grand Forks  City of Grand Forks  City of Williston  Greater Ramsey WRD  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Mandan  City of Fargo  City of Mandan  City of Minot  Watford City  City of West Farge  City of West Farge  City of Williston  Stutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  City of Dickinson  City of Dickinson  City of Dickinson	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Stutsman Rural Water System - Phase IIB, III Kidder Co & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 North Valley WD - By Street North Valley WD - By Street North Valley WD - Rural Expansion Ground Storage Water Tower Water Supply Improvements New Raw Water Intake Water Treatment Plant Improvements New Raw Water Intake Improvements Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure System 1 Well Field Expansion System 1 Well Field Expansion System 1 Well Field Expansion Tioga Water System Regionalization Improvements Tioga Water System Regionalization Improvement Tioga Water Systems Improvement Project Dickinson State Avenue South Water Main Reservoir C Expansion Crown Butte Service Area Expansion Phase II City of Devils Lake Water Supply Project	6/13/2012 2/27/2013 7/23/2013 7/23/2013 7/23/2014 10/24/2016 3/11/2015 10/7/2013 3/11/2015 5/29/2014 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/7/2015 10/7/2015 10/7/2015 10/6/2015 7/29/2015 7/29/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 845,000 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 2,5435,000 6,841,750 2,190,000 2,582,535 3,634,000 5,435,087 3,426,210 10,890,472 4,170,100 3,459,837 11,826,000 11,025,000 901,500 901,500 901,500 901,500 901,500 901,500 901,500 901,500 901,500 901,500 901,500	43,350  21,215,358  303,715 4,443,172 1,287,861 544,974 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 1,667,591 189,977 571,225 51,117,800 3,951,383 52,004 226,762 52,323 845,000 5,797,778 2,564,805 1,300,413 2,754,730 596,642 2,709,962 2,058,391 576,770 155,353 60,448 2,339,608 3,033,462 2,997,340 1,491,751 1,415,855 367,641 1,080 810,659 146,094 2,754,730	2,1 16,849,0 2,425,1 1,831,5 38,5 1,515,6 2,281,9 1,096,8 816,3 1,793,5 596,6 765,7 292,5 299,3 4,131,7 1,316,6 7,3476,6 1,086,6 7,857,0 1,172,7 1,968,0 10,410,1 1,674,8 963,9 90,8 11,799,0
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-38 2373-39 2373-31 2050-01 2050-05 2050-06 2050-07 2050-06 2050-07 2050-01 2050-11 2050-13 2050-14 2050-15 2050-16 2050-17 2050-18 2050-19 2050-11 2050-11 2050-15 2050-11 2050-15 2050-15 2050-15 2050-15 2050-15 2050-21 2050-22 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-27 2050-25 2050-25 2050-27 2050-25 2050-27 2050-30 2050-30 2050-31 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Struss Regional WD  Contreast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mashbum  Th-County RWD  Bames Rural RWD  City of Grafton  City of Grafton  City of Williston  City of Williston  Watford City  City of Williston  All Seasons Water District  All Seasons Water District  City of Fargo  City of Minot  Watford City  City of Williston  City of West Fargo  City of Williston  Sutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  Dakota Rural Water District  Missouri West Water System  Northeast Water District  Missouri West Water System  Northeast Water District  Missouri West Water System  Northeast Regional WD  Walsh RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co. & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - Patral Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure Systems County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase 1 Fargo Water System Regionalization Improvements Tioga Water Systems Improvement Project Dickinson State Avenue South Water Main Reservoir C Expansion Phase II City of Devils Lake Water Supply Project Phase 1 & 2 System Expansion	5/10/2017  6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 188,606 4,369,058 540,437 889,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 896,000 6,841,794 4,199,547 292,500 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750	43,350  21,215,358  303,715 4,443,172 1,287,818 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 3,951,363 52,004 226,762 52,323 845,000 5,797,773 2,564,805 3,849,151 7,722,558 1,350,413 2,281,794 3,433,753 0 596,642 2,709,962 2,058,391 576,770 155,353 60,448 2,339,508 4,91,51 1,415,255 3,033,462 2,997,340 1,491,751 1,415,255 367,619 1,080 310,659 146,094 2,754,730 453,597	2,1 16,849,0 2,425,1 1,831,5 38,5 1,515,6 2,281,9 1,096,6 816,3 1,793,5 536,6 2,005,7 1,316,6 2,005,7 1,172,7 1,968,0 1,172,7 1,968,0 10,410,1 1,172,7 1,968,0 10,410,1 1,172,7 1,968,0 10,410,1 1,172,7 1,968,0 1,748,8 1,174
SB 2371	2373-35 2373-35 2373-36 2373-38 2373-38 2373-38 2373-39 2373-341 2050-04 2050-05 2050-06 2050-07 2050-09 2050-10 2050-11 2050-12 2050-13 2050-	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Stutsman Rural RWD  Stutsman Rural RWD  Stutsman Rural RWD  North Central Rural Water Consortium  Missouri West Water System  Grand Forks Traill RWD  Northeast Regional WD  City of Park Regional WD  City of Surrey  Cass RWD  City of Washburn  Tri-County RWD  Barnes Rural RWD  City of Grand Forks  City of Grand Forks  City of Grand Forks  City of Williston  City of Williston  Greater Ramsey WRD  All Seasons Water District  City of Fargo  City of Mandan  City of Mandan  City of Minot  Watford City  City of Fargo  City of Minot  Watford City  City of Williston  Stutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  City of Dickinson  Dakota Rural Water District  Missouri West Water System  Northeast Regional WD  Walsh RWD  All Seasons Water District  Missouri West Water District  Missouri West Water System  Northeast Regional WD  Walsh RWD  All Seasons Water District	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phase IIB, III Kidder Co & Carnington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 North Valley WD - Street North Valley WD - Paral Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements SW Nelson County Expansion System 1 Well Field Expansion Soft Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure Tapital Infrastructure Capital Infrastructure Capital Infrastructure Toga Water System Regionalization Improvements Tioga Water Systems Improvement Project Ovater Systems Improvement Project Control	6/13/2012 2/27/2013 7/23/2013 7/23/2014 10/24/2016 3/17/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/7/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 168,606 4,369,058 540,437 859,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 8,45,000 6,844,412 3,381,148 3,849,151 9,516,065 1,887,040 2,281,794 4,199,547 292,500 896,000 6,341,750 2,190,000 2,582,535 3,634,000 5,435,087 3,426,210 10,890,472 4,170,100 3,459,837 11,826,000 1,042,500 965,000 901,500 901,500 901,500 308,000 15,543,750 2,093,350 4,900,000	43,350  21,215,358  303,715 4,443,172 1,287,861 4,108,562 1,68,606 4,330,519 540,437 859,341 240,672 937,870 1,657,591 1,677,255 1,117,800 3,951,363 52,004 226,762 52,323 845,000 5,797,778 2,564,805 3,849,151 7,722,558 1,360,413 2,281,794 3,433,763 566,642 2,709,662 2,058,391 576,770 155,353 60,448 2,339,508 3,033,462 2,058,391 576,770 155,353 60,448 2,339,508 3,033,462 2,997,340 1,491,751 1,415,855 367,619 1,080 310,689 146,094 2,754,730 453,597	2,1 16,849,00 2,425,1 1,831,5 38,5 1,515,6 2,281,9 1,096,8 816,3 1,793,5 536,8 765,7 292,5 299,3 4,131,7 131,6 1,086,6 7,857,0 1,172,7 1,968,0 10,410,1 674,8 963,9 90,9 10,199,1 11,799,0 11,79
SB 2371	1991-05 1987-05 1987-05 2373-35 2373-38 2373-39 2373-31 2050-01 2050-05 2050-06 2050-07 2050-06 2050-07 2050-01 2050-11 2050-13 2050-14 2050-15 2050-16 2050-17 2050-18 2050-19 2050-11 2050-11 2050-15 2050-11 2050-15 2050-15 2050-15 2050-15 2050-15 2050-21 2050-22 2050-25 2050-25 2050-25 2050-25 2050-25 2050-25 2050-27 2050-25 2050-25 2050-27 2050-25 2050-27 2050-30 2050-30 2050-31 2050-3	5000 5000 5000 5000 5000 5000 5000 500	City of Eurlington  City of Burlington  City of Struss Regional WD  Contreast Regional WD  City of Park River  City of Surrey  Cass RWD  City of Mandan  City of Mandan  City of Mashbum  Th-County RWD  Bames Rural RWD  City of Grafton  City of Grafton  City of Williston  City of Williston  Watford City  City of Williston  All Seasons Water District  All Seasons Water District  City of Fargo  City of Minot  Watford City  City of Williston  City of West Fargo  City of Williston  Sutsman RWD  North Prairie RWD  Southeast Water Users Dist  City of Dickinson  Dakota Rural Water District  Missouri West Water System  Northeast Water District  Missouri West Water System  Northeast Water District  Missouri West Water System  Northeast Regional WD  Walsh RWD	Lisbon - Floodway Acquisition Mouse River Enhanced Flood Plan Property Acquisitions  Subtotal Floodway Property Acquisitions  State Water Supply Grants: Grand Forks - Traill County WRD Slutismen Rural Water System - Phese IIB, III Kidder Co. & Carrington Area Expansion Carpio Berthold Phase 2 Granville-Deering Area South Mandan Improvements Langdon RWD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - ABM Pipeline Phase 1 Langdon RWD - North Valley Nekoma North Valley WD - Patral Expansion Ground Storage Water Tower Water Supply Improvements Phase 2 Plant improvements New Raw Water Intake Water Treatment Plant Improvements Improvements Improvements Improvements Improvements Water Treatment Plant Phase 3 Water Treatment Plant Improvements Capital Infrastructure Capital Infrastructure Capital Infrastructure Capital Infrastructure Systems County Expansion System 1 Well Field Expansion Bottineau County Extension, Phase 1 Fargo Water System Regionalization Improvements Tioga Water Systems Improvement Project Dickinson State Avenue South Water Main Reservoir C Expansion Phase II City of Devils Lake Water Supply Project Phase 1 & 2 System Expansion	5/10/2017  6/13/2012 2/27/2013 7/23/2014 10/24/2016 3/17/2014 3/11/2015 10/7/2013 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 3/11/2015 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2013 10/7/2015 10/6/2015	303,715 4,443,172 1,287,861 2,970,141 5,940,102 188,606 4,369,058 540,437 889,341 240,672 937,870 1,657,591 169,977 571,225 1,117,800 3,951,363 1,567,676 226,762 2,334,250 6,894,412 3,381,148 3,849,151 9,516,065 1,897,040 2,281,794 4,199,547 292,500 896,000 6,841,794 4,199,547 292,500 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750 2,190,000 6,841,750	43,350  21,215,358  303,715 4,443,172 1,287,818 4,108,562 188,606 4,330,519 540,437 859,341 240,672 937,870 3,951,363 52,004 226,762 52,323 845,000 5,797,773 2,564,805 3,849,151 7,722,558 1,350,413 2,281,794 3,433,753 0 596,642 2,709,962 2,058,391 576,770 155,353 60,448 2,339,508 4,91,51 1,415,255 3,033,462 2,997,340 1,491,751 1,415,255 367,619 1,080 310,659 146,094 2,754,730 453,597	2,1

98,547,420

182,563,918

88,018,498

### STATE WATER COMMISSION PROJECT SUMMARY 2815-2017 Blennium

PROGRAM DELIGATION

					Initial			Jun-17
Approved					Approved	Total	Total	D-1
Ву	No	Dept	Sponsor	Project	Date	Approved	Payments	Balance
	1984-02	5000	City of Fargo	Fargo Water Treatment Plant	3/17/2014	22,768,775	22,768,775	00.000.100
	1736-05	8000	SWPP	Southwest Pipeline Project	7/1/2013	105,120,160	66,431,752	38,688,408
	2374	9000	NAWS	Northwest Area Water Supply	7/1/2013	15,754,482	3,246,020	12,508,463
	1973-02	5000	WAWSA	WAWSA- (GRANT)	10/6/2015	12,061,806	11,906,202	155,603 8,888,823
	1973-05	5000	WAV/SA	WAWSA- (GRANT)	10/6/2015	60,000,000	51,111,177 10.139.578	0,000,023
	1973-03	5000	Bank of North Dakota	WAWSA - (LOAN)	10/6/2015 5/29/2014	10,139,578 162,328	32.845	129.483
	325-102	5000	RRVWSP	Red River Valley Water Supply - Intake Design Study	7/29/2015	12,359,000	12,359,000	129,40
SB 2020	325-104	5000	Garrison Diversion	Red River Valley Water Supply Project Black and Vesich investigation	1/27/2015	70,800	69,804	997
	2051-101	5000	Central ND V/ater Supply	Black and Yearch Myesugation	172172010	70,000	03,004	201
				Subtotal Stata Water Supply		238,436,929 	173,065,153	80,371,773 ————
				General Water Menagement				
				Hydrologic Investigations:		1,125,267		
	2041	3000	US Geological Survey	USGS Stream Gage Joint Funding Agreement	3/9/2016	529,075	529,075	0
	20:4	3000	ES Geological Survey	USGS Stream Gags Joint Funding Agreement	10/12/2015	544,110	408,083	136,028
	1400	3000	Fireside Office Solutions	Document Conversion (Water Permit Scanning)	8/23/2016	53,875	53,875	6
				Hydrologic Investigations Obligations Subtotal		1,127,061	991,033	138,023
				Remaining Hydrologic Investigations Authority Hydrologic Investigations Authority Less Payments		(1,794)		
				General Projects Obligated General Projects Completed Subtotal General Water Management		35,184,544 20,828,206 57,138,016	7,912,343 16,691,526 25,594,904	27,272,193 4,136,679 31,543,112
	416-07 416-10 416-15	5000 4700 5000	Multiple Operations Multiple	Devils Lake Basin Development: Devils Lake Outlet Devils Lake Outlet Operations DL East End Outlet  Devils Lake Subtotal	7/1/2013 3/9/2016 7/1/2013	870,802 18,534,210 2,774,011 22,179,023	0 8,506,237 505,355 <b>9,011,592</b>	870,803 10,027,973 2,268,656 <b>13,167,43</b> 3
				Revolving Loan Fund:			0,011,000	
			(General Water)		0/44/0045	000 500	000 500	Q
	2077-02	1050	City of Lisbon	Permanent Flood Protection - Levee C (LOAN)	3/11/2015	886,500	886,500 527,000	(
	2077-03	1050	City of Lisbon	Sheyenne River Flood Protection - Levee E (LOAN)	3/9/2016 7/6/2016	527,000 243,200	243,200	(
	2077-09	1050	City of Lisbon	Permanent Flood Protection - Levee D & F (LOAN)	10/12/2016	3,375,000	3,375,000	(
	2077-08	1050	City of Grafton	Grafton Flood Risk Reduction (LOAN)	12/28/2016	860,614	860,614	
	2077-06	1050	City of Valley City	Permanent Flood Protection Project (LOAN) Valley City Flood Protection - Phase II Construction (LC	12/9/2016	3,289,400	000,014	3,289,400
	2077 2077	1050 1050	City of Valley City City of Valley City	Valley City Prood Profession - Priase it Constitution (EC Valley City Pre Design & Eng & Phase III Buyouts (LOA	12/9/2016	1,392,500	ŏ	1,392,500
			(Water Supply)					
	2077-01	1050		WAWSA - (LOAN)	10/6/2015	10,000,000	10,000,000	(
	2077-04	1050	North Prairie Rural Water District	Storage & Water Mains (LOAN)	12/11/2015	239,475	239,475	(
	2077-10	1050	City of Beulah	Water Treatment Plant (LOAN)	3/9/2016	880,000	880,000	(
	2077-05	1050	Northeast Regional WD	City of Devils Lake Water Supply Project (LOAN)	3/9/2016	1,686,920	1,686,920	
	2077-11	1050	Walsh Rural WD	Phase 1, 2, & 3 System Expansion Project (LOAN)	3/9/2016	250,490	250,490	925.000
	2077	1050	Barnes Rural Water District	Rural Expansion (LOAN)	10/12/2016	835,000	0	835,000 215,000
	2077-13	1050	North Central Rural Water Consortium	n Carpio Bernold Phase 2 (LOAN)	10/12/2016 10/12/2016	215,000 139,000	0	139,00
	2077-12 2077-07	1050 1050	North Central Rural Water Consortiun Stutsman Rural Water District	n Granville-Surrey-Deering Water Supply Project (LOAN) Phase 3 Expansion (LOAN)	10/12/2016	721,000	721,000	139,000
				Revolving Loan Fund Subtotal		25,541,099	19,670,199	5,870,900
_				TOTAL		919.958,288	526,889,302	393,068,986

### STATE WATER COMMISSION PROJECT SUMMARY 2015-2017 Blennium Resources Trust Fund

GENERAL PROJECT OBLIGATIONS

	0 0					Initia!			Jun-17
Approved		_	Approved		2 4	Арргоуед	Total	Total	
By	No	Dept	Biennum	Sponsor	Project	Date	Approved	Payments	Balance
0.5	074	5000	2015 17	City of Marks	North Laws Codification Project	2/04/2042	E4.000		54.000
SE SWC	274 322	5000 5000	201 <i>5</i> –17 2009–11	City of Neche	Neche Levee Certification Project i ND Water: A Century of Challenge	3/21/2016 2/22/2010	54,000 36,800	0	54,000 36,800
SWC	346	5000	2005-11	Williams County WRD	Epping Dam Spillway Reconstruction	3/29/2017	846,134	826,635	19,499
SWC	347	5000	2009-11	City of Velva	City of Velva's Flood Control Levee System Certification	3/28/2011	102,000	69,503	32,497
SE	390	5000	2015-17		Beaver Lake Dam Rehabilitation Feasibility Study	6/8/2016	16,076	00,500	16,076
SE	394	5000	2015-17	Golden Valley Co WRD	Odland Dam Rehabilitiation Feasibility Study	10/13/2016	13,220	0	13,220
SE	399	5000	2013-15	Barnes Co WRD	Kathryn Dam Feasibility Study	9/19/2014	21,250	8,508	12,742
SE	420	5000	2015-17	Hettinger Park Board	Mirror Lake Dam Emergency Action Plan	12/2/2016	24,400	G	24,400
SE	460	50C0	2015-17	Griggs Co. WRD	Ueland Dam Rehabilitation Feasibility Study	5/20/2016	17,500	0	17,500
SE	277	5000	2015-17	Valley City	Mill Dam Rehabilitation Feasibilty Study	6/8/2016	15,073	C	15,073
SE	512	5000	2015-17	Emmons County WRD	Nieuwsma Dam Emergency Action Plan	11/28/2016	12,000	4_468	7,532
SE	531	5000	2015-17	Benson Co WRD	Bouret Dam Rehabilitiation Feasibility Study	10/11/2016	12,118	D	12,118
SWC	551	5000	2015-17	McHenry Co. WRD	Buffalo Lodge Lake Outlet	6/22/2017	134,915	0	134,915
SE	561	5000	2015-17	City of Tiega	Tioga Dam EAP	5/20/2016	40,000	5	40,000
SW0 SW0	5 <del>8</del> 5 582	5000 5000	2015-17 2015-17	Southeast Cass WRD Southeast Cass WRD	Sheyenne River Snagging & Clearing Reaches i Sheyenne River Snagging & Clearing Reaches ii	12/11/2015 12/11/2015	99,000 105,000	25,098 77,095	73,902 27,905
SWC	568	5000	2015-17		Sheyenne River Snagging & Clearing Reaches III	12/11/2015	90,000	77,055 2,965	27,905 87,035
SWC	568	5000	2015-17	Southeast Cass WRD	Sheyenne River Snagging & Clearing Reaches I,II,III	12/9/2018	294,000	143,927	150,073
SE	571	5000	2013-15	Oak Creek WRD	Oak Creek Snagging & Clearing Project	3/30/2015	3,572	2,565	1,107
SWC	620	5000	2007-09	Lower Heart WRD	Mandan Flood Control Protective Works (Levee)	6/22/2017	15,000	0	15,000
SE	662	5000	2015-17		Park River Snagging & Clearing	2/17/2017	55,385	3,950	51,435
SWC	710	5000	2015-17	Maple River WRD	Upper Swan Creek Channel Improvement Project	10/6/2015	171,763	109,702	62.061
SE	841	5000	2013-15	Maple River WRD	Garsteig Dam Repair Project	1/26/2015	40,163	21,502	18,661
SE	848	5000	2015-17	Sargent Co WRD	Tewaukon WS-T-1-A (Brummond-Lubke) Dam EAP	12/18/2015	20,000	7,984	12,016
SE	848	5000	2015-17	Sargent Co WRD	Tewaukon WS-T-7 (Nelson) Dam EAP	12/18/2015	20,000	7,820	12,180
SE	849	5000	2015-17		Renwick Dam Emergency Action Plan	9/29/2015	63,680	61,468	2,212
SWC	980	5000	2015-17	Cass Co. Joint WRD	Rush River Watershed Detention Study	1/7/2016	154,000	26,303	127,697
SWC SWC	980 980	5000 5000	2013-15 2015-17	Cass Co. Joint WRD Cass Co. Joint WRD	Swan Creek Watershed Detention Study PHII Upper Maple River Watershed Detention Study	3/11/2015 1/11/2016	154,000	31,334 25,961	122,666
SWC	1056	5000	2015-17	Bottineau Co. WRD	Tacoma Bitz Legal Drain	7/6/2016	154,000 312,105	101,533	128,039 210,572
SE	1056	2000	2015-17	Bottineau Co. WRD	Stead Legal Drain	2/16/2017	19,142	4,404	14,738
SWC	1064	5000	2013-15	Rush River WRD	Cass County Drain No. 2 Channel Improvements Proje	3/11/2015	106,989	65,306	41,683
SWC	1070	5000	2015-17	Maple River WRD	Drain #14 Channel Improvements	3/29/2017	741,582	0	741,562
SWC	1071	5000	2015-17	Maple River WRD	Cass County Drain #15 Channel Improvements	3/9/2016	296,562	14,001	282,561
SWC	1088	5000	2015-17	Maple River WRD	Cass Drain #37 Channel Improvements	3/9/2016	230,326	15,169	215,157
SWC	1089	5000	2015-17	Maple River WRD	Cass County Drain #39 Channel Improvements	3/9/2016	221,871	11,303	210,568
SE	1180	5000	2015-17	Richland Co WRD	Legal Drain No. 7 Channel Improvements	5/11/2017	24,926	0	24,926
SWC	1101	5000	2011-13	Dickey Co, WRD	Yorktown-Maple Drainage Improvement Dist No. 3	12/11/2015	798,562	0	798,562
SE	1140	5000	2015-17	Pembina Co. WRD	Drain 11 Outlet Extension Cost Overrun Project	7/7/2015	5,088	0	5,088
SWC	1176	5000	2015-17	Richland Co. WRD	Legal Drain #2 Reconstruction/Extension Project	3/9/2016	535,500	311,269	224,231
SWC	1179	5000	2015-17	Richalnd Co. WRD	Legal Drain #5 (Lateral 27) Reconstruction	3/9/2016	531,000	350,647	180,353
SWC	1222	5000	2015-17	Sargent Co WRD	Drain No 11 Channel Improvements	10/12/2016	1,417,967	39,591	1,378,376
SWC	1227 1231	5000 5000	2011-13 2015-17	Traill Co. WRD Traill Co. WRD	Mergenthal Drain No. 5 Reconstruction Carson Drain No. 10 Channel Improvements	9/15/2014 10/12/2016	18,502 152,328	6,277 11,006	12,225 141,322
SWC	1236	5000	2015-17	Traill Co. WRD	Murray Drain No. 17 Channel Improvements	10/12/2016	138,450	10,691	127,759
SE	1264	5000	2013-15	Barnes Co WRD	Little Dam Repurposing Feasibility Study	6/17/2015	16,100	3,715	12,385
SE	1270	5000	2015-17	City of Wilton	Wilton Pond Dredging Recreation Project	12/29/2015	35,707	0,7,70	35,707
SWC	1273	5000	2015-17	City of Oakes	James River Bank Stabilization	12/11/2015	262,500	0	262,500
SE	1287	5000	2013-15	McHenry Co. WRD	Souris River Snagging & Clearing Project	2/3/2015	15,000	4,500	10,500
SĘ	1289	5000	2015-17	McKenzie Co. Weed Board	Control of Noxious Weeds on Sovereign Land	4/10/2017	44,010	0	44,010
SE	1296	5000	2013-15	Pembina Co. WRD	Bathgate-Hamilton & Carlisle Watershed Study	10/17/2013	45,226	38,500	6,726
SWC	1301	5000	2015-17	Richland Co. WRD	North Branch Antelope Creek NRCS Small Watershed	3/9/2016	113,400	0	113,400
SE	1303	5000	2013-15	Sargent Co WRD	Gwinner Dam Improvement Feasibility Study Program	4/17/2015	42,844	22,663	20,181
SE	1303	5000	2015-17	Sargent Co WRD	Gwinner Dam Breach Project	2/20/2017	31,125	0	31,125
SWC SWC	1303	5000 5000	2015-17 2015-17	Sargent Co WRD Traill Co. WRD	Shortfoot Creek Watershed Planning Program Buxton Township Improvement District No. 68	3/9/2016 3/9/2016	154,000	44,953	109,047
SWC	1311 1314	5000	2015-17	Wells Co. WRD	Hurdsfield Legal Drain	3/29/2017	512,090 644,292	401,672 0	110,418 644,292
SE	1328	5000	2015-17	North Cass Co. WRD	Drain No. 23 Channel Improv Preliminary Engineering	9/30/2015	5,775	4,854	921
SWC	1328	5000	2015-17	North Cass Co. WRD	Drain #23 Channel Improvements	3/9/2016	137,181	55,569	81,612
SWC	1331	5000	2015-17	Richland Co WRD	Drain #14 Reconstruction	12/9/2016	315,000	62,262	252,738
SWC	1389	5000	2013-15	Bank of ND	BND AgPace Program	12/13/2013	180,316	9,951	170,365
SWC	1401	5000	2015-17	Pembina Co. WRD	International Boundary Roadway Dike Pembina	12/11/2015	786,032	491,504	294,528
SE	1418	5000	2015-17	City of Bisbee	Big coulee Dam EAP	5/10/2017	11,320	0	11,320
SE	1444	5000	2015-17	City of Pembina	Flood Protection System Certification	4/19/2016	75,000	73,343	1,657
SE	1453	5000	2015-17	Hettinger County WRD	Karey Dam Rehabilitation Feasibility Study	5/23/2016	13,550	6,697	6,853
SWC	1486	5000	2015-17	Griggs Co. WRD	Thompson Bridge Outlet No. 4 Project	10/6/2015	621,661	0	621,661
SWC	1520	5000	2015-17	Walsh Co. WRD	Walsh County Drain 30-1	3/29/2017	282,307	0	282,307
SWC	1520	5000	2015-17	Walsh Co. WRD	Drain 87/McLeod Drain	3/29/2017	5,238,586	0	5,238,586
SWC	1523 1625	5000 5000	2015-17 2015-17	Ward Co. WRD Carlson McCain, Inc.	Robinwood Bank Stabilization Project Ordinary High Water Mark Delineations Left Bank of N	10/6/2015 12/2/2016	256,449	157,801	98,648
SE					* *		23,800	21,800	2,000
SWC SE	1638 1667	5000 5000	2009-11 2015-17	Mutiple Traill Co. WRD	Red River Basin Non-NRCS Rural/Farmstead Ring Dif- Goose River Snagging & Clearing	6/23/2009 6/21/2017	177,864 47,500	0	177,864 47,500
SWC	1705	5000	2013-17		Red River Joint WRD Watershed Feasibility Study - Pl	9/21/2011	47,500 60,000		
SE	1808	5000	2011-13	Steele Co WRD	Beaver Creek Dam Safety Inspection	5/23/2016		40,782	19,218
SWC	1851	5000	2015-17		Drought Disaster Livestock Water Supply Assistance	7/20/2017	2,625 250,000	0	2,625
SWC	1891	5000	2015-17	Steele Co WRD	Drain No. 8 Channel Improvement	7/6/2016	250,000		250,000
SWC	1932	5000	2015-17	Nelson Co. WRD	Michigan Spillway Rural Flood Assessment	3/9/2016	411,773 1,214,256	409,174	2,599 25,850
	1934	5000	2015-17	Traill Co. WRD	Elm River Snagging & Clearing	6/21/2017		1,188,406 0	
SE	1954	5000	2015-17		Lynchburg Channel Improvements	7/6/2016	47,500	0	47,500
SWC SWC	1951	5000 5000	2015-17	Maple River WRD Maple River WRD	Lynchburg Channel Improvements	7/6/2016	1,131,338		1,131,338
		5000	2013-17	Garrison Diversion	McClusky Canal Mile Marker 10 & 49 Irrigation Project	3/17/2014	63,788	40,376	23,412
SWC	1968 1968	5000	2015-15	Garrison Diversion	MM 15 Irrigation Project	3/29/2017	256,321 321,781	204,707 0	51,614 321 781
SE	1906	5000	2015-17	USGS	*	12/16/2016	321,781		321,781
<b>5</b> L	10/2	5000	2010-11	0000	Logarated editional traduction for the Obbet 200118	12 10/2010	37,100	24,733	12,367

### STATE WATER COMMISSION PROJECT SUMMARY 2015-2017 Biennium Resources Trust Fund

GENERAL PROJECT OBLIGATIONS

					GENERAL PROJECT OBEIGATIONS	1.307.7			1 10
	3 31/10		0.0000000000000000000000000000000000000			Initial	i	Total	Jun-17
pprove		D	Approved		Project	Approved Date	Total Approved	Total Payments	Balance
ЗУ	No	Dept		Sponsor					
E	1974	5000	2015-17	USGS	Installation of 5 Rapid Deployment Gages in the Mous-	3/23/2017	23,200	O	23,20
WC	1975	5000	2015-17	Walsh Co. WRD	Drain 31-1	10/12/2016	111,543	0	111,54
WC .	1977	5000	2011-13	Dickey-Sargent Co WRD	Jackson Township Improvement Dist. #1	5/20/2015	1,601,325	1,153,672	447,65
Ē	1978	5000	2015-17	Richland-Sargent Joint WRD	RS Legal Dam #1 - Pre-Construction Engineering	10/24/2016	13,680	0	13,68
WC	1978	5000	2015-17	Richland-Sargent Joint WRD	RS Legal Drain #1 Extension & Channel Improvement	3/29/2017	378,000	0	378,00
WC	1990	5000	2011-13	Mercer Co. WRD	Lake Shore Estates High Flow Diverstion Project	3/7/2012	43,821	0	43,82
MC	1991	5000	2013-15	City of Lisbon	Sheyenne Riverbank Stabilization Project	9/15/2014	163,720	145,952	47,78
WC .	2008	5000	2013-15	City of Mapleton	Recertification of Flood Control Levee System Project	3/17/2014	101,100	0	101,10
-	2016	5000	2015-17	Pembina Co. WRD	Establishment of Pambina County Drain No. 30	4/10/2017	74,965	0	74,9
NC	2042	5000	2015-17	Bottineau Co WRD	Haas Coulee Lagal Drain Phase II	6/22/2017	85,361	0	86,3
NO	2049	5000	2015-17	Grand Forks Co. WRD	Grand Forks Legal Drain No. 58	3/29/2017	1.481,850	0	481,8
	2050-50	5000	2015-17	Grand Forks Trall RWD	Eastern Expansion & TRWD Interconnect Fesibility &	11/15/2018	75,000	O	75,0
Ε	2055	5000	2015-17		Lower Red Basin Regional Detention Study	7/17/2015	45,500	Đ	45,5
-	2058	5000	2015-17	City of Grafton	Grafton Debris Removal Plan	4/10/2017	8,177	ō	3.1
NC.	2059	5000	2015-17	Park River Joint WRD	North Branch Park River NRCS Watershed Study	19/6/2015	81,200	.0	81,2
MC	2060	5000	2015-17	Walsh Co. WRD	Forest River Watershed Study	4/10/2017	154,012	.0	154,0
NC .	2062	5000	2015-17	Traill Co, WRD	Traill Co. Drain #84	7/ <b>6/2</b> 016	116,558	97,009	19,5
A/C	2065	5000	2015-17	Cass Co. Joint WRD	Lake Bertha Flood Control Project No. 75	3/9/2016	201,350	0	201,3
MC .	2065	5000	2015-17	Southeast Cass WRD	Sheyenne-Maple Flood Control Dist #1 Mitigation Impr	3/9/2016	198,023	28,822	169,2
MC .	2063	5000	2015-17	Tralii Co. WRD	Stavanger-Belmont Drain No. 52 Channel Impr	10/12/2016	435,015	20,363	414,6
Ē	2089	5000	2015-17	Center Township	Wild-Rice-River Bank Stabilization	4/19/2018	43,026	42,032	9
	2070	5000	2015-17		Mile Marker 42 Irrigation Project	5/20/2016	29,741	0	29,7
	2071	5000	2015-17	Foster County WRD	Alkali Lake High Water Feasibility Study	4/19/2016	5,250	420	4.8
=	2072	5000	2015-17	Barnes Co WRD	Ten Mile Lake Flood Risk Reduction Project	6/8/2016	37,800	889	36,8
NC	2073	5000		Walsh Co. WRD	Oslo Area Ag Levee Feasibility Study	7/6/2016	187,000	115,299	71,7
VC.	2074	5000	2015-17	City of Wahpeton	Flood Control - Levee Certification	7/6/2016	247,500	0	247,5
VC.	2074	5000	2015-17	City of Wahpeton	Toe Drain & Encroachment Project	7/6/2016	1,125,482	0	1,125,4
VC.	2074	5000	2015-17	City of Wahpeton	Breakout Easements	7/6/2016	265,000	0	265,0
VIC.	2075	5000	2015-17	Ward Co. WRD	Second Larson Coulee Detention Pond	7/6/2016	602,307	0	602,3
Ξ	2076	5000	2015-17	Elm River Joint WRD	Elm River Dam #1 Modification Study	7/6/2016	9,503	0	9,5
Ξ	2079	5000	2015-17	City of Williston	West Williston Flood Control	10/24/2016	39,900	D	39,9
VC.	2080	5000	2015-17	Walsh Co. WRD	Sam Berg Coulee Drain	10/12/2016	401,005	218,230	182,7
VC.	2081	5000	2015-17	Walsh Co. WRD	Drain #70	10/12/2016	898,866	336,437	582,4
NC	2083	5000	2015-17	Pembina Co. WRD	Herzog Dam Gate & Catwalk Retrofit - Construction	10/12/2016	117,000	2,368	114,6
Ξ	2085	5000	2015-17	Adams Co WRD	Orange Dam Rehabilitation Feasibility Study	10/13/2016	10,770	0	10,7
٧C	2088	5000	2015-17	Pembina Co. WRD	Drain No. 79	12/9/2016	875,428	0	875,4
Ξ	2089	5000	2015-17	Maple River WRD	Tower Township Improvement District No. 77 Study	12/19/2016	28,175	0	28,1
=	2090	5000	2015-17	International Water Institute	River Watch Program	1/12/2017	24,150	0	24,1
Ξ	2094	5000	2015-17	McLean Co WRD	Lower Buffalo Creek Flood Management Feasibility	6/7/2017	7,539	0	7,5
Ξ	2095	5000	2015-17	Nelson Co WRD	Sheyenne River Snagging & Clearing	4/10/2017	19,700	0	19,7
NC	2096	5000	2015-17	Southeast Cass WRD	Sheyenne-Maple Flood Control Dist #2 Improvements	3/29/2017	1,035,358	0	1,035,3
VC.	2104	5000	2015-17	City of Minot	Levee Repair & Bank Stabilization Project	6/22/2017	950,254	0	950,2
VC.	2108	5000	2015-17	Walsh Co. WRD	Walsh Co Drain #22	6/22/2017	266,086	0	266,0
=	2110	5000	2015-17	Ward Co. WRD	Meadowbrook Snagging & Clearing	6/21/2017	33,000	0	33,0
Ξ	2093/1427	5000	2015-17	Bottineau Co. WRD	Moen Legal Drain	9/6/2016	63,458	44,916	18,5
₽	1396-01	5000	2013-15		Missouri River Recovery Program	11/17/2015	75,000	28,215	46,7
E	1878-02	5000	2015-17	Maple-Steele Joint WRD	Upper Maple River Dam EAP	5/20/2016	12,800	0	12,8
WC	849-01	5000	2015-17	Pembina Co. WRD	Tongue River NRCS Watershed Plan	3/9/2016	104,703	0	104,7
E	AOC/WRD	5000	2015-17		. ND Water Managers Handbook	6/21/2017	24,750	0	24,7
WC	PS/WRD/ELM	5000	2013-15	Elm River Joint WRD	Dam #3 Safety Improvements Project	9/15/2014	7,297	1,625	5,6
E	PS/WRD/LOW	5000	2015-17	Lower Heart WRD	Lower Heart Flood Contral	5/10/2017	21,140	0	21,14

TOTAL

35,184,544

7,912,345

27,272,198

### STATE WATER COMMISSION PROJECT SUMMARY 2015-2017 Biennium Resources Trust Fund

COMPLETED GENERAL PROJECTS

Арргоуес В <b>у</b>	SWC No	Dept	Approved Biennum		Project.	Initial Approved Date	Total Approved	Total Payments	Jun-17 Balance
SWC	228	5000	2013-15	U.S. Geological Survey	(USGS) Operation & Maint of Gaging Station on the Missouri R	12/8/2014	8,970	8,970	(
SWC	240			Eddy County WRD	Warwick Dam Repair Project	12/7/2012	110,150	110,150	(
Ē	274			City of Neche	FEMA Levee Certification Feasibility Study	10/17/2014	37,500	37,500 0	37,500
MC MC	281 348	5000 5000		Three Affiliated Tribes Williams County WRD	Three Affiliated Tribes/Fort Berthold Infigation Study Epping Dam Evaluation Project	10/26/2010 2/27/2013	37,500 68,200	50,840	5,360
Ξ	346			Williams County WRD	Design Engineering for Epping Dam Safety Repair	7/6/2016	24,658	24,558	0,00
=	391	5000		Sargent Co WRD	Sargent Co WRD, Silver Lake Dam Emergency Repairs	10/12/2011	2,800	C	2,800
=	568			Barnes Co WRD	Sheyenee River Snagging & Clearing Project	4/17/2015	49,500	49,500	2: 20:
MC	588			Southeast Cass V/RD	Sheyenne River Reaches Snagging & Clearing Project Sheyenne River Snagging & Clearing Reach 1 Proj 2	12/5/2014 5/9/2017	94,238 74,000	0 74 060	94 23
54/C	568 545	5000 5000		Barnes Co WRD City of Fargo	Hickson Dam Recreation Retrofit Project	19/26/2019	44,280	44,280	0
WO	546 546			City of Farge	Christine Dam Recreation Retrofit Project	10/26/2010	184,950	139,034	45,91
=	662	5000		Walsh Co. WRD	Park River Snagging & Clearing	5/10/2017	50,223	50,223	
A/C	329			Rush River WRD	Rush River WRD Berlin's Township Improvement District No. 7	10/19/2011 11/15/2016	101,317 127,164	121,561	101,31 5, <del>8</del> 0
NO NO	841 841	5000 5000		Maple River WRD Maple River WRD	Swan Buffalo Detention Dam #12(Absaraka Dam) Swan Buffalo Detention Dam #5(Garsteig Dam)	11/17/2018	156,426	154,672	1.75
Ē	849			Pembina Co. WRD	Renwick Dam Gate Repair	9/4/2015	53,700	50,066	3,63
WG.	980	5000		Maple River WRD	Maple River Watershed Ficod Water Retention Study/ Maple R	2/19/2015	3,587	3,687	
E	1069	5000			Drain #13 Channel Improvements Project	9/29/2015	46,150	12,293	33.85
WC WC	1082 1101			Rush River WRD  Dickey-Sament Co WRD	Cass Co. Drain No. 30 Channel Improvement Project Riverdale Township Improvement District #2	3/17/2014 9/21/2011	5,976 500,000	5,970 0	500,00
WC	1135	5000		Pembina Co. WRD	Drain #4 Reconstruction Project	6/19/2013	2,673	ō	2,67
WC	1161			Pembina Co. WRD	Drain 55 Improvement Reconstruction	3/28/2011	13,845	0	13,84
WC	1174			Richland Co. WRD	Legal Drain #31 Improvements Project	3/9/2016	161,852	59,374	102,47
E	1179	5000		Richland Co. WRD	Drain #5 (27) Reconstruction Project	3/30/2015 9/15/2014	13,543 60,300	13,543 49,055	11,24
WC WC	1183 1217			Richland Co. WRD Tri-County WRD	Drain No. 15 Reconstruction Project Tri-County Drain Reconstruction Project	3/11/2015	911,881	590,679	321,20
E	1219	5000		Sargent Co WRD	Drain No. 8 Channel Improvement Preliminary Engineering Pro	5/7/2015	6,650	6,650	,
VC	1219	5000	2011-13	Sargent Co WRD	City of Forman Floodwater Outlet	12/13/2016	47,012	47,012	
WC	1224			Traill Co. WRD	Palace Drain Improvement District No. 80	5/20/2015	149,828	130,947	18,88
WC	1242	5000		Traill Co. WRD	Rust Drain No. 24 Project Apple Creek Industrial Park Levee Feasibility Study	12/13/2013 10/7/2013	25,152 65,180	3,002 0	22,15 65,18
WC E	1270 1289			Burleigh Co. WRD McKenzie Co. Weed Coπ	Control of Noxious Weeds on Sovereign Lands	9/30/2015	12,514	12,514	00,10
E	1290			McLean Co. WRD	Painted Woods Lake Flood Mitigation Study	4/1/2016	53,200	53,200	
WC	1294			Nelson Co. Park Board	Stump Lake Park Bank Stabilization Project	3/11/2015	115,436	79,294	36,14
E	1301			City of Lidgerwood	City of Lidgerwood Engineering & Feasibility Study for Flood Co	2/4/2011	15,850	0	15,85
E	1301	5000 5000		City of Wahpeton Sargent Co WRD	City of Wahpeton Water Reuse Feasibility Study/Richland Co Upper Wild Rice Watershed Study	9/8/2011 6/24/2015	2,500 73,500	0 73,485	2,50 1
E E	1303 1311	5000		Traill Co. WRD	Buxton Township Improvement District No. 68	6/17/2015	15,745	15,745	
E	1312			Walsh Co. WRD	Skyrud Dam 2011 EAP	12/15/2011	10,000	8,073	1,92
E	1312	5000	2011-13	Walsh Co. WRD	Union Dam 2011 EAP	12/15/2011	10,000	8,350	1,65
WC	1314	5000		Wells Co. WRD	Oak Creek Drain Lateral E Reconstruction Project	9/15/2014	73,057	73,057	
E	1314			Wells Co. WRD Wells Co. WRD	Oak Creek Lateral E Reconstruction Hurdsfield Area Drain Preliminary Engineering Project	12/29/2015 6/11/2015	20,173 35,000	20,173 35,000	
SE SWC	1314 1396	5000		U.S. Geological Survey	(USGS) Missouri River Geomorphic Assessment	3/7/2012	10,000	10,000	
E.	1403				(NDWRRI) Student Fellowship Program	12/23/2015	18,850	18,850	
SE .	1403	5000			(NDWRRI) Student Fellowship Program	1/18/2017	18,850	18,850	
WC	1418	5000		City of Bisbee	Design & Repair of Big Coulee Dam Big Coulee Dam Feasibility Study	4/10/2017 5/29/2014	1,090,983 10,963	1,079,002 0	11,98 10,96
WC WC	1418 1438			City of Bisbee Cavalier County WRD	Mulberry Creek Phase IV Reconstruction Project	6/19/2013	102,019	2,250	99,76
WC.	1444			City of Pembina	2014 Flood Protection System Modification Project	5/29/2014	61,331	61,331	,
E	1520			Walsh Co. WRD	Walsh Co Drain #30-1	8/29/2016	14,000	14,000	
WC	1523	5000		Ward Co	Flood Control County Road 18	5/29/2015	325,208	325,208	
WC.	1554	5000		McLean Co. WRD	City of Underwood Floodwater Outlet Project Floodplain Mapping Project	12/13/2013 5/29/2014	1,483,268 55,000	1,483,268 55,000	
WC E	1577 1607	5000 5000		Ward Co. WRD	Flood Inundation Mapping of Areas Along Souris & Des Lacs R	6/15/2011	13,011	0	13,01
WC	1613	5000		North Cass Co. WRD	Cass County Drain No. 55 Channel Improvements Project	9/15/2014	99,923	48,703	51,22
WC	1625	5000	2013-15	Houston Engineering	(OHWM) Ordinary High Water Mark Delineations	8/20/2014	4,560	0	4,56
E	1625	5000		Ross Engineering, LLC	Gather infor regarding pipeline waterway crossings	2/9/2016	25,000	8,745	16,25
E	1625			HDR Engineering, Inc	Dakota Access PipeLine Missouri River crossing sour analysis Sovereign Lands Recreation Use Grant	2/9/2016 1/10/2017	25,000 1,000,000	21,315 1,000,000	3,68
B2020 E	1625 1640	5000 5000		ND Parks & Recreation U.S. Geological Survey	(USGS) Maintenance of gaging station on Missouri River below	9/25/2013	8,710	0	8,7
E	1650			Sargent Co WRD	Drain #7 Channel Improvements Study	1/17/2016	6,214	6,214	
WC	1650	5000		Sargent Co WRD	Drain #7 Improvement	7/6/2016	202,663	202,663	
Ε	1667	5000		Traill Co. WRD	Goose River Snagging & Clearing	12/18/2015	47,500	47,500	
E	1667			Traill Co. WRD	Goose River Snagging & Clearing	9/2/2016	47,500 17,825	47,501 17,825	
E	1701	5000	2013-15	Dod River Joint Water Pe	Red River of the North Unsteady Flow Model Red River Basin Distributed Plan Study	11/25/2015 12/7/2012	17,825 560,000	17,825 451,823	108,1
WC WC	1705 1758	5000 5000		U.S. Geological Survey	(USGS) Stochastic Model for the Mouse River Basin	12/13/2013	40,000	40,000	,00,1
WC	1792	5000		Southeast Cass WRD	SE Cass Wild Rice River Dam Study Phase II	1/29/2015	32,252	32,252	
E	1814			Richland Co. WRD	Wild Rice River Snagging & Clearing - Bridge #121-2	5/28/2015	16,000	16,000	
E	1815			Ransom Co. WRD	Sheyenne River Snagging & Clearing - Fort Ransom Reach	6/11/2015	6,350	6,350	
E	1842	5000		Southeast Cass WRD	Wild Rice River Snagging & Clearing - Bridge Location Sites	2/3/2015	11,063	0	11,00
E	1842	5000		Southeast Cass WRD	Wild Rice River Snagging & Clearing	7/6/2016	24,948	24,948	40.0
Ε	1842	5000		Southeast Cass WRD	Wild Rice River Snagging & Clearing	10/27/2015	57,000 57,000	37,334 50 143	19,68 6,8
E	1842			Southeast Cass WRD	Wild Rice River Snagging & Clearing NPS Pollution Project	12/13/2016 7/29/2015	57,000 200,000	50,143 200,000	0,0
WC	1859	5000 5000		ND Dept of Health Steele Co WRD	Drain No. 8 Channel Improvement Preliminary Engineering Pro	9/29/2015	17,500	17,500	
E WC	1891 1921	5000		Morton Co. WRD	Square Butte Dam No. 6/(Harmon Lake) Recreation Facility	3/23/2009	231,002	65,583	165,41
E	1934	5000		Traill Co. WRD	Elm River Snagging & Clearing	9/2/2016	47,500	47,500	
E	1946	5000		Walsh Co. WRD	Improvement of Walsh Co Drain #22 Preliminary Engineering	4/19/2016	10,500	10,499	
		0000		Ward Co. WRD	Puppy Dog Coulee Flood Control Diversion Ditch Construction	8/18/2009	796,976	0	796,97

### STATE WATER COMMISSION PROJECT SUMMARY 2015-2017 Bionnium Resources Trust Fund

COMPLETED GENERAL PROJECTS

					GOM: ELLES GEHERALT HOVEOTO	Initial			Jun-17
Approved	CMC		Approved			Approved	Total	Total	
1945		Dept		Sponsor	Project	Date	Approved	Payments	Balance
Ву				and the same of th	Beaver Bay Embankment Feasibility Study	8/10/2009	18.078	0	13.073
HB 2305		5000		Emmons County WRD	Grand Forks County Legal Drain No. 55 2010 Contraction	11/30/2010	9,652	9.652	0
SE	1967	5000		Grand Forks Co. WRD	Walsh Co. Construction of Legal Assessment Drain # 72	3/28/2011	39.115	39,115	9
SWC	1970			Walsh Co. WRD	USGS Web-Based Mouse River Information Page	1/19/2016	24,700	24,700	Ω.
SE	1974	5000			Walsh Co. Drain No. 31 Reconstruction Project	9/21/2011	37,742	37 742	0.
SWC	1975		2011-13	Walsh Co. WRD		7/23/2015	245,250	168,791	73,459
SWC	1972	5000			Richland & Sargent WRD RS Legal Drain No. 1 Extension & Cl.	12/9/2011	62,500	0	62,500
SWC	1983	5000		City of Harwood	City of Harwood Engineering Feasibility Study	3/7/2012	266,100	.0	285,100
SWC	1989	5000		Barnes Co WRD	Hobari Lake Outlet Project	2/12/2010	5,000	5,060	200,700
SE	1991	5000		City of Lisbon	Sheyenne River Snagging & Clearing Project	7/29/2015	179,890	78.524	3,388
BW/0	1992			Burleigh Co. WRD	Burnt Creek Flood Restoration Project	8/28/2012	10,000	9.365	535
SE	1998			Grand Forks Co. WRD	Upper Turile River Dam #1 2012 EAP	8/29/2012	10,000	3,656	1,344
SE	2002			Grand Forks Co. WRD	Trufile River Dam #4 2012 EAP	10/7/2013	413,576	413,578	5
SV/C	2004	5000		Grand Forks Co. WRD	Drain No. 57 Project	6/29/2012	10,000	9.069	931
SE	2005			Grand Forks Co. WRD	Turbe River Dam #8 2012 EAP		747,053	594,123	152,910
SWC	2007	5000	2011-13	Maple River WRD	Pontiac Township Improvement District No. 73 Project	5/11/2015	45,905	45,905	:52,573
SMC	2013				Wild Rice River Watershed Retention Plan	6/8/2015		⇒5,500 ±0	75,000
SYNC	2019			Valley City	Sheyenee River Snagging & Clearing Project	12/7/2012	75,000		
SYVC	2022	5000		Pembina Co. WRD	Drain #73 Project	6/19/2013	350,400	120,044	230,358
SWC	2040	5000	2013-15	Walsh Go. WRD	Drain #74 Project	10/7/2013	211,886	211,800	5
SWC	2042	5000	2013-15	Bottineau Co. WRD	Haas Coulee Drain Project	9/15/2014	500,000	500,000	0
SVVC	2043	5000	2015-17	Pembina Co. WRD	District's Drain 78 Outlet Extension Project	12/9/2016	390,041	372,671	17,370
SE	2045			Stark County	Stark County LiDAR Collection Project (FEMA)	7/17/2015	33,584	33,584	0
SWC	2045	5000	2013-15	McKenzie Co, Commissio	LiDAR Collection Project	9/15/2014	252,308	262,308	0
SWC	2045	5000	2013-15	Mercer Co. WRD	LIDAR Collection Project	5/29/2014	10,425	0	10,425
SWC	2046	5000	2013-15	Walsch Co. WRD	North Branch Park River Comprehensive Flood Damage Redu	12/13/2013	134,400	108,772	25,628
SWC	2047	5000	2013-15	LaMoure County	LaMoure Co Memorial Park Streambank Restoration	8/3/2016	91,042	54,240	26,802
SWC	2048	5000	2013-15	City of Marion	Marion Flood Mitigation & Lagoon Drainage Project	5/29/2014	116,659	116,599	60
SWC	2063	5000	2015-17	Maple River WRD	Swan Buffalo Detention Dam #8(Embden Dam)	11/17/2016	123,087	120,803	2,284
SE	2068	5000	2013-15	Traill Co. WRD	Stavanger-Belmont Drain No. 52 Channel - Study	4/20/2016	18,589	18,589	0
SE	2078	5000	2015-17	Southeast Cass WRD	Raymond-Mapleton Township Improv Dist No. 76	11/15/2016	20,281	20,281	0
SWC	1878-02	5000		Maple-Steele Joint WRD	Upper Maple River Dam Construction Phase	12/13/2013	4,702,936	4,415,496	287,440
SB2020		5000			Fargo Moorhead Diversion Agricultural Impact (Study)	1/20/2016	80,000	79,716	284
SB2009	1986-03	5000		USDA-APHIS,ND Dept A	•	9/9/2015	250,000	250,000	0
SWC	2003-02	5000		Southeast Cass WRD	Re-Certification of the West Fargo Diversion Levee System	7/23/2015	52,564	32,813	19,751
SWC	2009-02	5000		Southeast Cass WRD	Recertification of the Horace to West Fargo Diversion Levee S	9/17/2012	25,504	25,504	0
		5000		Assiniboine River Basin	Assiniboine River Basin Initiative Funding	7/29/2015	100,000	100,000	0
SWC	AOC/ASS	5000	2010-17	ND Irrigation Association		10/6/2015	100,000	100,000	0
SWC	AOC/IRA	5000	2010-17	Red Piver Pagin Commis	Red River Basin Commission Contractor	5/20/2015	200,000	200,000	0
SWC	AOC/RRBC		2010-17	ND Weigs Education For	ND Water Manazine	5/20/2015	36,000	33,500	2,500
SWC	AOC/WEF	5000	2010-17	ND Water Education Fou	ii ND Water Magazine ii 2017 Summer Water Tours Sponsorship	4/5/2017	2,500	2,500	0
SE	AOC/WEF/TO	5000	2015-17	ND Meter Lines Asses	Toyo Kaland Torm as WIIA President	3/23/2015	9,672	5,772	3,899
SE	AOC/WUA	5000			al Dave Koland Term as WUA President Oaks Irrigation Research Site - New Linear Irrigation System	11/18/2015	25,636	25,636	0,000
SE	ASNDS	5000				1/12/2016	17,500	10,795	6,705
SE	CON/CAR	5000		Garrison Diversion	Will and Carlson Consulting Services	12/13/2013	26,451	1,828	24,623
SWC	CON/WIL/CAF	5000			e Will and Carlson Consulting Contract	2/11/2016	1,500	1,500	24,023
SE	NDAWN		2015-17		NDAWN CENTER			1,500	0
SE	NDAWN	5000			NDAWN CENTER	1/31/2017	1,500		0
SWC	PS/WRD/DEV	5000		Devils Lake Joint WRB	DL Manager	5/20/2015	60,000	60,000	
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRI	3 Missouri River Coordinator	10/7/2013	37,094	14,327	22,767
SWC	PS/WRD/MRJ	5000	2015-17	Missouri River Joint WRI	B Missouri River Joint Water Board (MRRIC) T. FLECK	5/20/2015	45,000	38,999	6,001
SWC	PS/WRD/MRJ	5000	2015-17	Missouri River Joint WRI	B Missouri River Joint Water Board, (MRJWB) Start up	5/20/2015	20,000	10,260	9,740
SWC	PS/WRD/UPP	5000	2015-17	Upper Sheyenne River J	o Upper Sheyenne River WRB Administration (USRJWRB)	5/20/2015	12,000	5,315	6,685
SE	PSIRRBUF	5000	2015-17	Buford Trenton Irrigation	I Upgrade to 3-Phase Power	4/19/2016	32,770	32,770	0
SE	PSWRDBUR	5000		Burleigh Co. WRD	Pebble Creek Golf Course - Hay Creek Bank Stabilization	10/15/2015	22,782	22,782	0
SE	PSWRDCAS	5000		Cass Co. Joint WRD	Red River Watershed Comprehensive Detention Plan Updates	11/19/2015	34,025	34,025	0

TOTAL 20,828,206 16,691,526 4,136,679

### **Project Summary**

The Grand Forks Regional Water Treatment Plant (GFRWTP) Project is well into the construction schedule and on-track towards full completion. The GFRWTP consists of a new 20 million gallons per day hybrid water treatment facility that will include parallel conventional and membrane treatment processes to address key regulatory and water quality challenges, increased water demand, and logistical issues associated with the City's current 60-year-old facility.

### **Status**

Construction of the new GFRWTP began on December 6, 2016 and is well underway. To date, construction progress includes the following:

- Completed facility excavation and installed more than 96,000 LF of 12-inch, concrete filled steel pipe piling;
- Completed 85 percent of concrete pile caps and associated backfilling between pile caps;
- **Placed** approx. 3,300 CY of structural concrete slabs and walls when structural concrete work is completed in August 2018, more than 22,000 CY of concrete will have been placed;
- **Prepared** the site with access roads, a construction management complex, parking lot spaces, a 145 foot tall tower crane, laydown and staging areas, and temporary utility and electrical services.

### **State Grant Funding to Date**

Amount	Legislation Enacted	NDSWC Approved	Funds Expended
\$4,990,000	May 1, 2013	October 7, 2013	November 2016
\$30,000,000	April 27, 2015	October 12, 2016	Anticipated March 2018
\$30,000,000	May 18, 2017	Pending August 23, 2017	Anticipated December 2018

### **Project Costs Incurred to Date**

\$28,738,848.28 in total project costs have been incurred since North Dakota State Water Commission (NDSWC) authorization through July 2017 with the NDWSWC reimbursing \$14,344,480.36 in eligible project costs to date.

### **Project Schedule**

The GFRWTP schedule includes the following milestones:

• Structural Concrete Completed: August 1, 2018

Precast Concrete Completed:
 September 3, 2018

 Mechanical, Process, & Electrical Completed: March 30, 2019

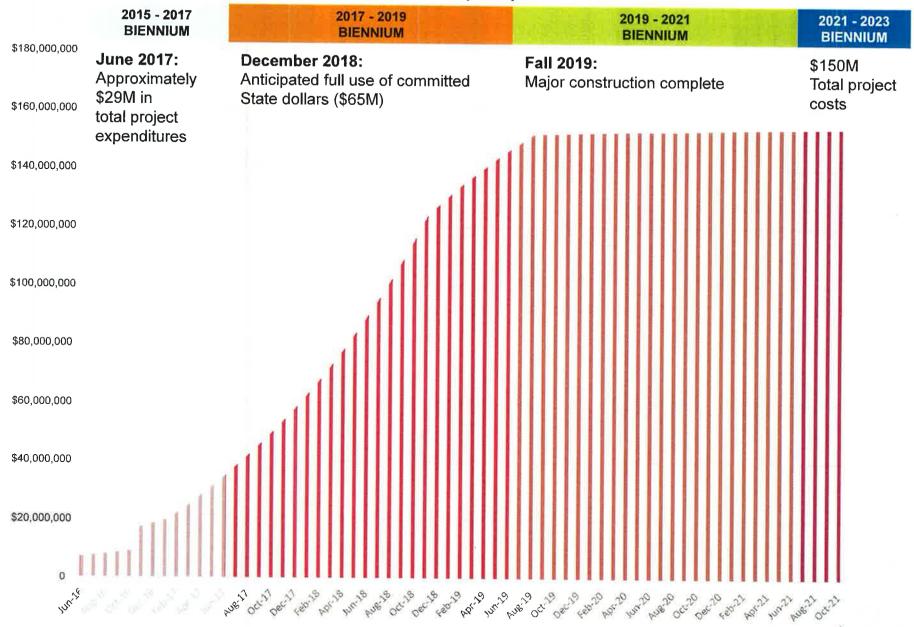
 Substantial Completion: October 31, 2019

Final Completion: June 30, 2020





### **Cumulative Project Expenses**



# **US Highway 2 Water Main Crossings**







Construction Phase Services
System Wide Expansion Project
Monthly Report – July 2017
AE2S Project No. P00806-2015-003

**Prepared** for

Southeast Water Users District North Dakota State Water Commission North Dakota Department of Health



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### Contact Information

Contact Name Brian R. Bergantine, PE, Project Manager

Company Name AE2S

Address 4170 28<sup>th</sup> Avenue South

City, State, Zip Code Fargo, ND 58104
Telephone 701-364-9111

Email <u>brian.bergantine@ae2s.com</u>

Contact Name Chase Julson, EIT, Resident Project Representative

Company Name AE2S

Address 4170 28<sup>th</sup> Avenue South

City, State, Zip Code Fargo, ND 58104
Telephone 701-364-9111

Email chase.julson@ae2s.com



## Original Project Scope and Background

Originally, when SEWUD submitted the feasibility application to the North Dakota State Water Commission (NDSWC) in September 2015, the project team of SEWUD and AE2S were anticipating about 150 rural water user sign-ups. Between January 20, 2016 and April 14, 2016, the project team held nine informational meetings to discuss the proposed project. These informational meetings were held within the communities of Guelph, Walcott, Great Bend, Kulm, Sheldon, McLeod, Cogswell, Lisbon, and Fairmount. Through these public informational meetings, the project team received several testimonials from those attending the meeting about their poor water quality and about water with arsenic concentrations exceeding the 10 parts per billion (ppb) maximum contaminant level (MCL) standard established by the US Environmental Protection Agency (EPA) and North Dakota Department of Health (NDDH). By February 4, 2016, the number of sign-ups had already climbed near 300. For some of these users, this is their first opportunity to sign-up for rural water as their parents did not sign up and now they have ownership of the farmstead. Additionally, SEWUD was contacted by the Mayor of the City of Walcott early in 2016, as they also had concerns with their current water source. The total anticipated costs for the addition of these 300 new users was \$16.5 million in February 2016 dollars.

At this time, the project was anticipated to be constructed in multiple phases with construction extending from the Fall of 2016 through the Summer of 2018 and the warranty phase extending into the Summer of 2019. Maps were submitted as an attachment to the NDSWC Cost Share Request Form in February 2016 presenting locations for 236 of the then 296 potential users that had signed up. Not all of these 296 potential users were included on the maps at the application submission time because many of these potential users lacked enough detail to plot their location on the map. A funding request was approved by the NDSWC in March 2016 for \$11.79 million in grant for a total project estimated to cost \$16.5 million.

However, since this funding request was approved in March 2016, the numbers of users for connection to the SEWUD System Wide Improvements project has continued to grow. In January 2017, the City of Walcott conducted a vote to switch their water source from their current wells to bulk rural water from SEWUD. By a vote of 83-2 (97.6%), the City of Walcott voted in favor of hooking up to SEWUD rural water.

As the design process progressed, the project team recognized that not all of the individual users that signed up for rural water service were going to be deemed feasible for service by SEWUD. Additionally, it was evident that as the project grew, the current available funding was not going to meet the entire project needs. As such, the project team separated the System



Wide Expansion project into two different bid packages: 1) System Wide Expansion – Pipeline Improvements and 2) System Wide Expansion – Facilities Improvements. Additionally, the System Wide Expansion – Pipeline Improvements were divided into a base bid and five alternates to help SEWUD work through the anticipated financial impacts of the project.

The pipeline improvements project was bid in March 2016 with a total of 470 individual rural users plus bulk water service to the City of Walcott. The base bid included pipeline improvements to supply water to 245 individual rural users and the City of Walcott, while the five alternates were arranged by area to meet the remaining 225 individual rural users. Six bidders provided bids for this work. This project was bid as one contract with each bid contacting a base bid with two material options, a PVC Option and/or a POLY Option, and five alternates with both a PVC option and/or a POLY option bid. The bids for the Alternates No. 1, No. 2, No. 3, No. 4, and No. 5 were represented as additions. A summary of each bid alternate with each option is presented in the following paragraphs.

- Alternate No. 1 This bid alternative consisted of providing and installing approximately
   73 miles of pipe ranging in diameter size from 2 inch to 4 inch and providing water
   service to the 74 new users throughout Dickey, LaMoure, and Logan counties.
- Alternate No. 2 This bid alternative consisted of providing and installing approximately 64 miles of pipe ranging in diameter size from 2 inch to 4 inch and providing water service to the 61 new users throughout Dickey and Sargent counties.
- Alternate No. 3 This bid alternative consisted of providing and installing approximately
   22 miles of pipe ranging in diameter size from 2 inch to 3 inch and providing water
   service to the 28 new users throughout LaMoure and Ransom counties.
- Alternate No. 4 This bid alternative consisted of providing and installing approximately 33 miles of pipe ranging in diameter size from 2 inch to 3 inch and providing water service to the 44 new users throughout Dickey County.
- Alternate No. 5 Kulm Area: This bid alternative consisted of providing and installing approximately 33 miles of pipe ranging in diameter size from 2 inch to 4 inch and providing water service to the 22 new users throughout Dickey County.

Based on the bid results, the project team, SEWUD general manager, and SEWUD construction committee recommended the award of the pipeline improvements base bid along with Alternates No. 1, No. 2, No. 3, and No. 4 to Eatherly Constructors, Inc. in the amount of \$11,238,674.41. Alternate No. 5 was not recommended for award at this time because of the estimated cost to provide service to these users and the lack of available secured funding.

For the Facilities Improvements project, eight different bids were submitted. Seven of the bids that were submitted met all of the prescribed requirements and were opened and read aloud;



one bid was submitted late and was not accepted. This project was bid in three contracts. Individual bids were received for Contract No. 1 – General Construction and Contract No. 2 – Electrical Construction. Additionally, combined bids for the work under these two individual contracts was bid under Contract No. 3 – Combined General and Electrical Construction. Based on the bid results, the project team, SEWUD general manager, and SEWUD construction committee recommended the award of Contract No. 3 to PKG Contracting, Inc. in the amount of \$2,086,900.00.

SEWUD continues to get requests from rural users who indicated that they would like rural water service. By the end of June 2017, over 30 additional requests had already been received by SEWUD and the number of requests is anticipated to increase as construction continues.



# Contract Description

### Project Description

**Project Title:** System Wide Expansion – Pipeline Improvements

Location: Richland, Ransom, Sargent, Dickey, LaMoure, Logan Counties

**Contractor:** Eatherly Constructors, Inc.

4831 W 136<sup>th</sup> Street Leawood, KS 66224

Construction Notice to Proceed Date: May 9, 2017 Substantial Completion Date: September 1, 2019

Final Completion Date: October 31, 2019

Original Contract Amount: \$11,238,674.41 (Base Bid + Alternates No. 1 - No. 4)

**Project Title:** System Wide Expansion – Facilities Improvements

Location: Richland, Ransom, Sargent, Dickey, LaMoure, Logan Counties

**Contractor:** PKG Contracting, Inc.

4301 South University Drive

Fargo, ND 58104

Construction Notice to Proceed Date: April 20, 2017

**Substantial Completion Date:** June 1, 2018

Final Completion Date: June 29, 2018

Original Contract Amount: \$2,086,900.00



### **Project Stakeholders**

Owner: Southeast W	ater Users District			
		Phone:	(701) 242-7432	
General Manager:	Steve Hansen	Email:	Stevehh2o@rrt.net	
4-		Phone:	(701) 242-7432	
Controller:	Don Lingen	Email:	dl.sewu@rrt.net	

Engineer: AE2S			
		Office:	(701) 364-9111
		Cell:	(701) 866-0620
Project Manager:	Brian Bergantine	Email:	Brian.Bergantine@ae2s.com
Resident Project		Cell:	(701) 899-4069
Representative:	Chase Julson	Email:	Chase.Julson@ae2s.com

Funding Agency: North Dakota State Water Commission					
Water	-	Phone:	(701) 328-4952		
Development:	Jeffrey Mattern	Email:	jmattern@nd.gov		
Water		Phone:	(701) 328-2304		
Development:	James Ternes	Email:	jpternes@nd.gov		

Funding Agency: No	orth Dakota Departmen	t of Health		
State Revolving		Phone:	(701) 328-5299	
Fund Program:	Bryan Schmitt	Email:	brSchmitt@nd.gov	

### Contract No. 1 – Pipeline Improvements

General Contractor – Eatherly Constructions, Inc.						
		Office:	(605) 244-1485			
		Cell:	(605) 280-0066			
Project Manager:	Dorothy Ramirez	Email:	eatherlymdr@aol.com			
Superintendent:	Martin Ramirez	Cell:	(605) 280-9915			
Foreman:	Jamie Ramirez	Cell:	(605) 280-1589			

# Contract No. 3 – Combined General and Electrical Construction – Facilities Improvements

General Contractor – PKG Contracting, Inc.					
		Office:	(701) 232-3878		
		Cell:	(701) 866-1734		
Project Manager:	David Olsgaard	Email:	david@pkg-inc.com		
		Cell:	(701) 541-0412		
Superintendent:	Dave French	Email:	davef@pkg-inc.com		



## Monthly Summary

### Pipeline Construction

ECI

### Monthly Progress

• Installed approximately 40 miles of total pipeline

	*		
2"	3"	4"	6"
26 miles	4 miles	4.5 miles	5.5 miles

- Installed 15 curb stops
- Installed 1 air release valve (ARV)
- Installed 8 gate valves

### **Total Project Progress**

Installed approximately 61 miles of total pipeline

2"	3"	4"	6"
30.5 miles	10.5 miles	4.5 miles	15.5 miles

- Installed 35 curb stops
- Installed 1 air release valve (ARV)
- Installed 1 Flush/Air Blowoff valve
- Installed 16 gate valves (2 included in special tie-in)

### Contract Overview

Original Total Contract Amount – Contract No	. 1
Contract No. 1 (Pipeline Imp.)	\$11,238,674.41
Change Orders To Date	
Contract No. 1 (Pipeline Imp.)	\$0
Revised Total Contract Amount – Contract No.	. 1
Contract No. 1 (Pipeline Imp.)	\$11,238,674.41
Earned to Date (including retainage)	\$2,219,457.36
Percent Earned	19.7%

### Scheduled Milestones

150 New Users and City of Walcott, ND Substantial Completion	December 31, 2017
150 Additional New Users Substantial Completion	December 31, 2018
Substantial Completion (Base Bid and Alternates No. 1 – No. 4)	September 1, 2019
Final Completion (Base Bid and Alternates No. 1 – No. 4)	October 31, 2019



### **Facilities Construction**

### PKG

- Completed pouring the walls for Reservoir P
- Prepared for the elevated deck pour

### Subcontractors

- Hi-Line Electric installed copper wires in reservoir walls for lighting protection
- Began placing conduit in the reservoir elevated deck slab

### Contract Overview

COTTT ACT OVER VIEW	
Original Total Contract Amount - Contract No. 3	
Contract No. 3 (Facilities Imp.)	\$2,086,900.00
Change Orders To Date	
Contract No. 3 (Facilities Imp.)	\$0
Revised Total Contract Amount – Contract No. 3	
Contract No. 3 (Facilities Imp.)	\$2,086,900.00
Earned to Date (including retainage)	\$327,689.68
Percent Earned	15.8%

### Scheduled Milestones

Reservoir P, Walcott, and Lisbon WTP Interim Substantial Completion Substantial Completion Final Completion December 31, 2017 June 1, 2018 June 29, 2018



# Combined Contract Overview

Original Total Combined Contract Amounts	\$13,325,574.41
Contract No. 1 (Pipeline Imp.)	\$11,238,674.41
Contract No. 3 (Facilities Imp.)	\$2,086,900.00
Change Orders To Date	\$ 0.00
Contract No. 1 (Pipeline Imp.)	\$0
Contract No. 3 (Facilities Imp.)	\$0
Revised Total Combined Contract Amount	\$13,325,574.41
Contract No. 1 (Pipeline Imp.)	\$11,238,674.41
Contract No. 3 (Facilities Imp.)	\$2,086,900.00
Earned to Date (including retainage)	\$2,547,147.04
Contract No. 1 (Pipeline Imp.)	\$2,219,457.36
Contract No. 3 (Facilities Imp.)	\$327,689.68
Percent Earned	10.0%



# Critical Issues and Key Coordinating Items

### Critical Issues

### **Owner Items**

• No items reported this period.

### **Engineer Items**

• No items reported this period.

### Contractor Items - ECI

No items reported this period.

### Contractor Items - PKG

No items reported this period.

### Key Coordinating Items

### **Owner Items**

• Completion of easements.

### **Engineer Items**

- Shop drawing review.
- Permit approval
  - State Highways
  - Railroad Crossing
  - Richland County
  - o USFW permits
  - o Sheyenne National Grassland permit

### Contractor Items - ECI

• Water connection to 6" PVC main line at Reservoir P site for pressure testing, flushing, and bacteriological testing.

### Contractor Items - PKG

• Lead time on fabrication of Berlin Booster Station.

SWC

Approved



# Cost Summary and Anticipated Additional Funding Needs

### **Current Cost Summary**

Project: Southeast Water Users District System Wide Expansion

Percent

SWC Project No:

Sponsor:

Southeast Water Users District

Estimated Project Cost:

\$ 16,500,000

Amount

State:	\$ 100,000	35%	Cost-Share	10/02/15	Feas
					20

asibility Study

State:	\$ 1,460,000	35%	Cost-Share	03/09/16
State:	\$ 15,040,000	75%	Cost-Share	03/09/16
Total:	\$ 16,500,000*			

Pre-Engineering Costs

Const. Engineering & Construction

	Feasibility Study	Pre-Engineering	Construction Engineering	Construction Costs Misc.	Construction	Total
Project Cost To Date:	\$ 76,202.07	\$ 1,334,646.01	\$ 163,261.54	\$ 9,739.40	\$ 2,292,432.34	\$ 3,876,281.36
Non-Eligible Cost:	\$ =	\$ 119,557.86	\$ -	\$ -	\$ -	\$ 119,557.86
Eligible Cost:	\$ 76,202.07	\$ 1,215,088.15	\$ 163,261.54	\$ 9,739.40	\$ 2,292,432.34	\$ 3,756,723.50

Type

	Total	SRF Loan	SWC Total
Payment Needed:	\$ 3,876,281.36	\$ 1,575,254.84	\$ 2,301,026.52
Payments Made:	\$ 2,687,511.87	\$ 1,271,657.00	\$ 1,415,854.87
Payment Due:	\$ 1,188,769.49	\$ 303,597.84	\$ 885,171.65
Account Funding Balance:	\$ 12,623,718.64	\$ 3,098,745.16	\$ 9,524,973.48

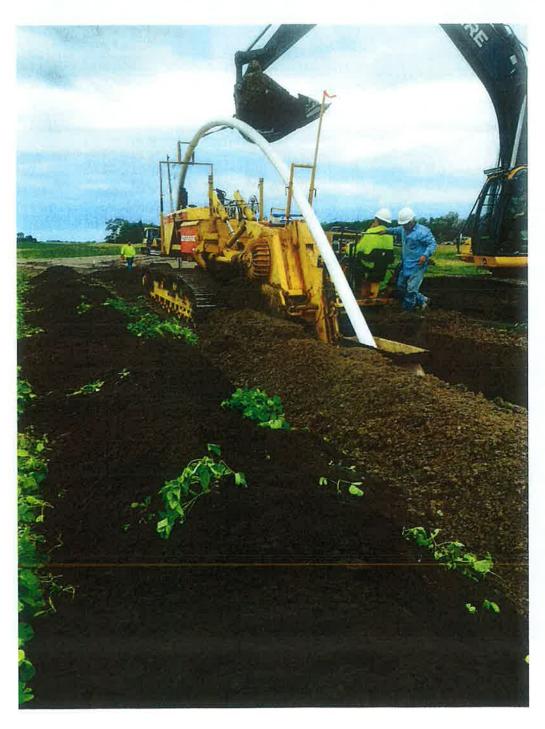


# Anticipated Additional Funding Needs

	<u>A</u>	nticipated Additional	
Engineering Fees	Current	<b>Funding</b>	Total
Preliminary Design	\$265,000.00		\$265,000.00
Final Design	\$1,047,750.00	\$43,500.00	\$1,091,250.00
Bidding Phase Services	\$75,000.00	\$15,000.00	\$90,000.00
Construction Administration	\$391,900.00	\$84,200.00	\$476,100.00
Resident Project Representative	\$528,600.00	\$147,350.00	\$675,950.00
Total	\$2,308,250.00	\$290,050.00	\$2,598,300.00
Easements	\$265,000.00	-	\$265,000.00
Cultural Resource Study	\$67,800.00	\$9,750.00	\$77,550.00
Pipeline Construction			
Base Bid	\$6,526,847.94		\$6,526,847.94
Alternate 1	\$1,737,799.51		\$1,737,799.51
Alternate 2	\$1,594,334.05		\$1,594,334.05
Alternate 3	\$577,935.87		\$577,935.87
Alternate 4	\$130,132.62	\$671,624.42	\$801,757.04
Alternate 5		\$758,968.48	\$758,968.48
Total	\$10,567,049.99	\$1,43 <b>0,</b> 59 <b>2.90</b>	\$11,997,642.89
Late Hookups			
65 Additional Users	X	\$1,239,823.00	\$1,239,823.00
Facilities Construction			
Combined Construction			
Base	\$1,474,286.90		\$1,474,286.90
Alt 1	\$436,551.19		\$436,551.19
Alt 2	\$93,693.77		\$93,693.77
Alt 3	\$82,368.15		\$82,368.15
Alt 5		\$364,479.06	\$364,479.06
Total	\$2,086,900.01	\$364,479.06	\$2,451,379.07
Well Line @ SEWUD-West		\$500,000.00	\$500,000.00
Crop Damage	\$647,000.00	\$42,000.00	\$689,000.00
Contingency	\$558,000.00	\$136,000.00	\$694,000.00
Assume 3.50%			
Total Project Cost	\$16,500,000.00	\$4,012,694.96	\$20,512,694.96
		Use:	\$20,500,000.00
Current Available Funding	\$16,500,000.00	<b>.</b>	\$16,500,000.00
Anticipated Additional Funding Needs		\$4,000,000.00	\$4,000,000.00
		An was	40 712 000 00
NDSWC Grant (35%/75%)		\$2,749,000.00	\$2,749,000.00
SRF Loan		\$1,251,000.00	\$1,251,000.00

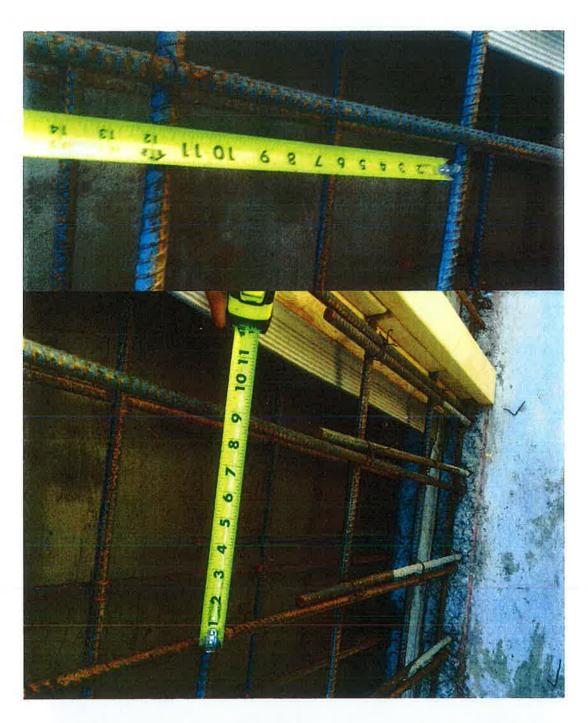


# Progress Photographs and Videos July 2017 Progress Photos



Installing 6" PVC Main Line West of Walcott, ND (July 5, 2017)





Verifying Rebar Spacing on Reservoir P Walls near Walcott, ND (July 10, 2017)





Pouring concrete for Reservoir P Walls near Walcott, ND (July 11, 2017)





Installing Stainless Steel Saddle, 2" Corporation Stop, and 2" PVC Pipe Stub on 6" Main Line in Viking Township, Richland County (July 15, 2017)



### July 2017 Video Links

Reservoir P:

https://youtu.be/qThpUi3I7b0

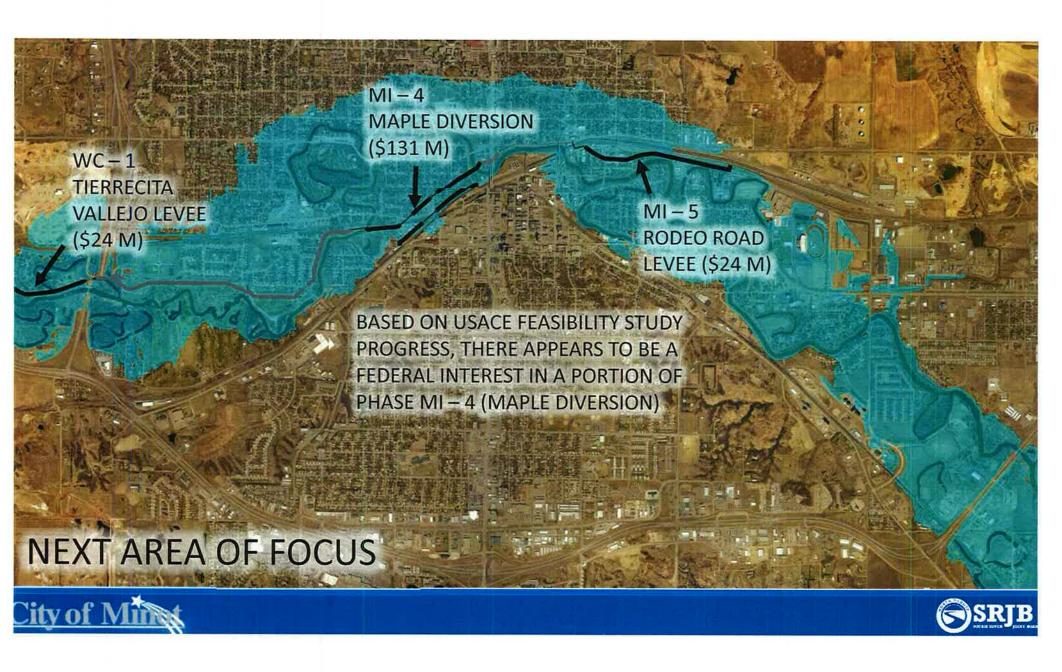
Rural Water Pipeline:

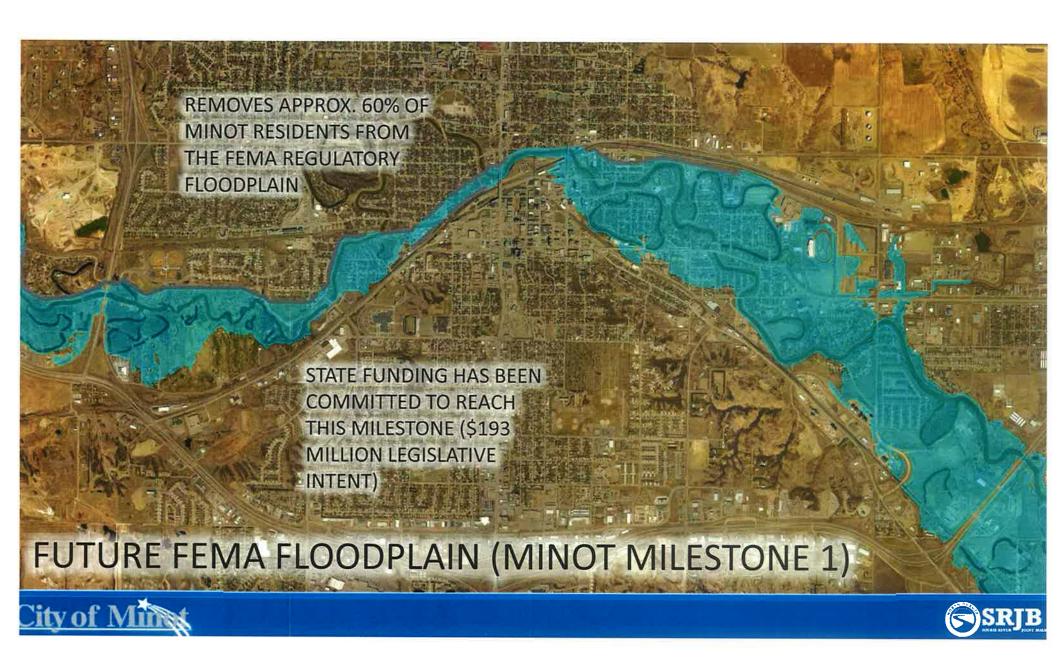
https://youtu.be/YTK7rvupQyl

https://youtu.be/jfC4M\_gHa7c

https://youtu.be/mLrrEdmwRgU









# Dutline Brief history of cloud seeding in North Dakota Scientific basis Program structure North Dakota Cloud Modification Project (NDCMP) Budgets Independent evaluations Current research Similar programs

# ND's Cloud Seeding History

- Cloud seeding in North Dakota began as a grass-roots effort in the 1950s. Farmers and ranchers enrolled in the program and paid for the service.
- Initial efforts used ground-based seeding methods.
- ▶ By 1961, a private company, Weather Modification, Inc., was formed in Bowman and provided airborne seeding operations.
- In 1975, the Legislature created the North Dakota Weather Modification Board (later renamed the Atmospheric Resource Board) to provide regulatory functions, operational support, conduct research and evaluations and provide state cost share funding.

# Scientific Basis

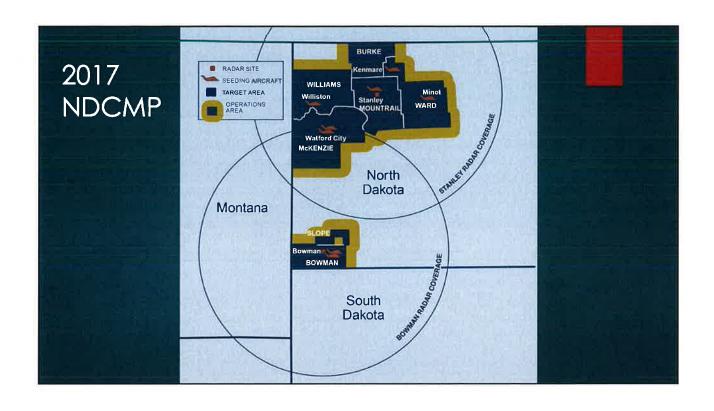
- ▶ ND Pilot Project 1969-72
  - Randomized (3:1), proof of concept, cloud seeding project in McKenzie County
    - ▶ 67 rain gauges, radar observations
  - Statistically significant increases in: (1) the number of rainfall events, (2) average rainfall per event, and (3) total rainfall in the target area (~10%). Published in the AMS Journal of Applied Meteorology by Dennis et. al, 1975
  - Analysis of cloud seeding on hail indicated the ratio of average rainfall to hail energy was greater on seeded days and crop-hail insurance losses were lower on seeded days. Due to a smaller data sample, the statistical results were not as significant as for the rainfall analysis. Published in the AMS Journal of Applied Meteorology by Miller et. al, 1975

# Program Structure

- County participation is established through 51% petition, 20% petition and public vote, or county commission resolution and public vote, creating a 10-year authority.
  - Temporary (up to 4 year) authority may be created through public hearing and resolution of the county commission. After term expires the authority must be continued through one of the prior methods.
- Before a 10-year authority has expired, reauthorization is required by resolution of the county commission. These occur every five years.
- The county commission appoints 5 members to the "county weather modification authority" which oversees the project in the county and contracts with the state for cloud seeding services.
- ▶ The most recent county ballot measures on cloud seeding passed by an 80-20% margin in Williams County in 2000 and 70-30% margin in Bowman County in 2016.

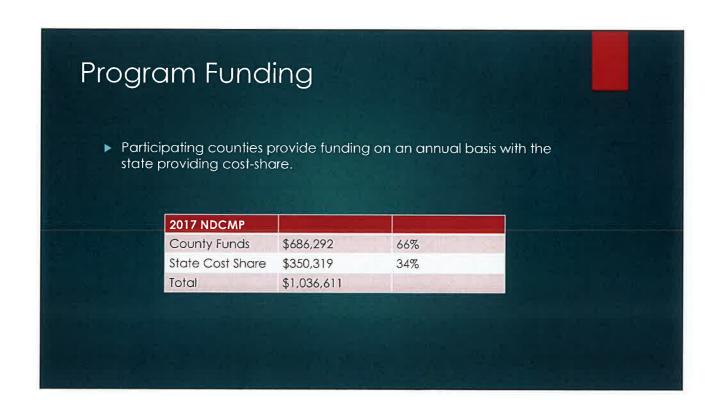
# North Dakota Cloud Modification Project (NDCMP)

- NDCMP goals are hail suppression and rainfall enhancement
- Convective clouds (e.g. thunderstorms) are seeded by aircraft in the updraft below cloud base, or directly at cloud top
- Silver iodide acts as a nucleus for droplets to form and then freeze earlier than what occurs naturally
- Earlier ice formation induces competition and distributes the water in the cloud over more particles
- These particles don't grow as large and have greater ability to melt as they fall from the cloud





# ARB Division Budget 2017-19 RTF \$2,390,281 Special Funds \$2,809,032 Federal Funds \$1,500,000 Total \$6,699,313 PRIF funds support salaries and wages, state cost-share of cloud seeding, ARBCON precipitation network, radar operations, and research and evaluation activities. Special funds are county revenue for the cloud seeding program Federal funds is an authorization to accept funds for research Both Special and Federal authorization exceeds actual funds collected 2015-17 expenditures were \$3,163,000



# Independent Evaluations

- ▶ Crop insurance analysis over a 13-year period found 45% lower crop-hail losses in the seeded counties versus an immediately adjacent upwind control area. JAM, Smith et al., 1997.
- ▶ Several studies of rainfall, using various datasets, have indicated percentage increases from the low single digits to the low teens, with typical results falling the in 5-10% range. (Eddy & Cooter, 1979, Eddy, 1981, Johnson, 1985, Smith et al., 2004, Wise, 2005.)
- Wheat yields were found to be 5.9% higher on average in the seeded counties versus an adjacent control area. JAM, Smith et al., 1992.

# Independent Evaluations

- Economic analysis was conducted by Bangsund and Leistritz (NDSU Ag. Econ.) in 2009.
- ▶ Economics were evaluated for rainfall increases of 5 and 10 percent, and crop-hail damage reductions of 45 percent.
- The analysis included the top eight crops by planted acreage in addition to alfalfa.
  - In the 5% rainfall scenario, direct benefits through additional agricultural production were estimated to average \$12 million annually, with a B/C ratio of 16:1.
  - Under the 10% rainfall scenario, direct impacts were estimated to average \$19.7 million annually, with a B/C ratio of 26:1.
  - ▶ Gross economic benefits were estimated at \$37.1-\$60.5 million.
  - ▶ State tax collections were estimated at \$745,000 to \$1,217,000
- Estimates do not consider any potential reduced impacts to property

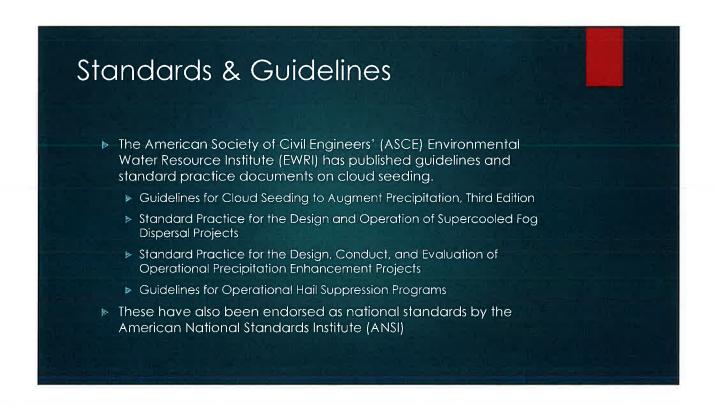
# Current Research

- Polarimetric Cloud Analysis and Seeding Test (POLCAST)
  - Assessment of the potential of hygroscopic seeding in ND clouds
  - Collaboration with UND, Weather Modification International, Ice Crystal Engineering and National Center for Atmospheric Research
  - Seeding was randomized, with clouds selected before seeding decision
    - ▶ 44 cases collected during three field campaigns
  - Analysis of radar data indicated that seeding enhanced cloud droplet and drizzle formation and boosted liquid water content early in the seeded clouds life cycle
  - Analysis of airborne microphysical data showed that atmospheric conditions support clouds that are suitable for hygroscopic seeding
  - UND Master's Thesis on additional statistical evaluation is forthcoming soon

# Current Research

- Development of a polarimetric radar hail detection algorithm
  - ► Collaboration with National Center for Atmospheric Research
  - Software will be developed and tested in the process of hail detection using data from the Minot, ND NEXRAD radar
  - The software will be applied to radar data collected each year after the convective storm season to analyze hail formation and trends
  - Algorithm development should be completed by late fall









# North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 ▼ BISMARCK, NORTH DAKOTA, 58505-0850 (701) 328-2750 ▼ TTY 1-800-366-6888 or 711 ▼ FAX (701) 328-3686 ▼ http://swc.nd.gov

APPENDIX I
August 23, 2017

### MEMORANDUM

TO:

Governor Doug Burgum

Members of the State Water Commission

FROM:

Garland Erbele, P.E., Chief Engineer-Secretary

SUBJECT:

Western Area Water Supply Project Phase V

DATE:

August 7, 2017

### Funding and Plan Approval

The Western Area Water Supply Authority (WAWSA) is requesting cost-share on Phase V projects. The three projects are continuations of projects that either the Authority has currently under construction or have completed through prior funding. The projects are listed in the attached request letter which includes a table titled "Summary of Initial WAWSA Phase V Projects for SWC Funding Approval". The projects add transmission and distribution pipeline within the region of the rural water systems. The local rural water systems will cover the local share of the project costs.

MCWRD – System I/IV Expansion Part I – The project consists of two parts of prior projects known as the MCWRD System I Improvements Tobacco Gardens Project and the MCWRD System IV Part 3A Project, which included work that was to be completed on Forest Service property. The Authority was not able to obtain the proper Forest Service permits to complete this work within the allotted contract timeframe, so the Authority deleted these portions of the work from both of the construction contracts. The Authority has now obtained the Forest Service permits and is in a position to re-bid the project. Estimated eligible cost is \$1,910,000. Cost-share of 35 percent on pre-construction costs and 75 percent on construction costs provides total funding of \$1,368,500.

**R&TWSCA** – **Stanley Part I Alternates** – The project is a continuation of the WAWSA R&T Stanley Rural Distribution Project. The project was bid with base bid and alternates in the fall of 2015. Due to limited funding the Authority only awarded the base bid at that time. This request would provide funding for re-biding of the alternates. Estimated eligible cost is \$7,781,599. Cost-share of 35 percent on preconstruction costs and 75 percent on construction costs provides total funding of \$5,575,400.

**R&TWSCA** – White Earth West Alternates – The project is a continuation of the WAWSA R&T West White Earth Distribution Project. The project was bid with base bid and alternates in the fall of 2015. Due to limited funding the Authority only awarded the base bid at that time. This request would provide funding for awarding of the alternates. Estimated eligible cost is \$2,521,200. Cost-share of 35 percent on preconstruction costs and 75 percent on construction costs provides total funding of \$1,806,100.

I recommend the State Water Commission approve the overall Phase V plan for cost-share with pre-construction engineering costs funded at 35 percent and construction funded at 75 percent of eligible costs. The approval is contingent on available funding.

GE:JM:ph/1973 Attachments SWC Memo – Western Area Water Supply Project Phase V Page 2 August 7, 2017

## State Water Supply Cost-Share Funding WAWS Construction

	Pre-Construction		Construction		Total		Total		
Project	· Cost	%	Cost-Share	Cost	%	Cost-Share	Cost-Share	Local Cost	Project Cost
MCWRD System I/IV Expansion Part I	\$160,000	35	\$56,000	\$1,750,000	75	\$1,312,500	\$1,368,500	\$541,500	\$1,910,000
R&TWSCA Stanley Part I Alternates	\$652,000	35	\$228,200	\$7,129,600	75	\$5,347,200	\$5,575,400	\$2,206,199	\$7,781,599
R&TWSCA White Earth West Alternates	\$212,000	35	\$74,200	\$2,309,200	75	\$1,731,900	\$1,806,100	\$715,100	\$2,521,200
Total	\$1,035,714		\$358,400	\$11,190,450		\$8,391,599	\$8,750,000	\$6,244,010	\$12,212,799





Mr. Garland Erbele, PE State Engineer North Dakota State Water Commission 900 E Boulevard Ave Bismarck ND 58505-0850

Re: WAWSA Cost Share Request for 2017-2019 Biennium

Dear Mr. Erbele:

As you are aware, the Western Area Water Supply Authority (WAWSA) has previously received funding authorizations from the North Dakota Legislature and State Water Commission totaling \$309 million for capital expenditures through the 2015-2017 biennium (Phases I through IV). Today, we are proud to report that 97 percent, or \$299.9M of the \$309M, of the funds allocated to WAWSA are expended and the remaining allocated funds are under contract and will be expended by the end of 2017.

Certainly much has been accomplished over the last three biennia in terms of providing water service to the expanding population of northwest North Dakota; however, much remains to be completed. To that end, the WAWSA Board of Directors has identified its high priority projects for the 2017-2019 biennium as summarized in Table 1. WAWSA is respectfully requesting those projects be approved as eligible projects for up to 75 percent state cost share of eligible project costs using 2017-2019 biennium funding.

Proposed System Improvements/Expansion	2017 – 2019 Funding	Est. State Cost Share	Est. Local Cost Share
MCWRD - System I Expansion - Part 2	\$3,500,000	\$2,348,000	\$1,152,000
MCWRD - System I/IV Expansion - Part I	\$2,000,000	\$1,338,000	\$662,000
R&TWSCA – Stanley Part I Alternates	\$8,150,000	\$5,468,000	\$2,682,000
R&TWSCA – White Earth East Base and Alternates	\$5,820,000	\$3,905,000	\$1,915,000
R&TWSCA - White Earth West Alternates	\$2,640,000	\$1,771,000	\$869,000
R&TWSCA - Tioga to Stanley Trans. Impr. Ph. I	\$1,200,000	\$810,000	\$390,000
WRWD - North 200k Pump Station Service Area	\$3,000,000	\$2,012,000	\$988,000
Williston WTP Pretreatment Expansion & Superstructure	\$3,500,000	\$2,348,000	\$1,152,000
Totals	\$29,810,000	\$20,00,000	\$9,810,000

Table 1: Summary of WAWSA Phase V Projects for SWC Approval

WAWSA is certainly aware of the impacts the slowdown in oil activity is having on the Resources Trust Fund and understands the SWC may not be in a position to allocate funds in the near term for all the funding requests that will be received for the 2017-2019 biennium. Accordingly, WAWSA is seeking funding authorization for the projects summarized in Table 2 at the SWC's next regularly scheduled meeting so we are in a position to move forward with construction on these projects as soon as possible as they are shovel ready (designed and bid as alternates of base projects, easement acquisition above 90%).

Mr. Garland Erbele, PE

Re: WAWSA Cost Share Request for 2017-2019 Biennium

Date: July 20, 2017

Proposed System Improvements/Expansion	Est. Total Project Cost	Est. State Cost Share	Est. Local Cost Share
MCWRD - System I/IV Expansion - Part I	\$2,000,000	\$1,338,000	\$662,000
R&TWSCA - Stanley Part I Alternates	\$8,150,000	\$5,468,000	\$2,682,000
R&TWSCA - White Earth West Alternates	\$2,640,000	\$1,771,000	\$869,000
Totals	\$12,790,000	\$8,577,000	\$4,213,000

Table 3: Summary of Initial WAWSA Phase V Projects for SWC Funding Approval

We greatly appreciate your assistance in continuing to expand water service in northwest North Dakota. If you have any questions or need additional information on any of the projects, please do not hesitate to contact me at 701-774-6605.

Regards

Mark Owan, Chairman

Western Area Water Supply Authority

cc: Paczkowski, John, PE, Assistant State Engineer

PROJECT UPDATE

## North Dakota State Water Commission

Wednesday, August 23, 2017





#### At a Glance

# Fargo-Moorhead Metropolitan Flood Risk Management Project

March 2017

#### **DESCRIPTION**

Permanent flood protection project for 230,000 people, \$16 billion in private property, and 143,000 jobs in the largest city and metropolitan area in North Dakota. Provides protection for the Dept. of Defense's Strategic Rail Corridor Network (STRACNET), which runs through Fargo and is disrupted during extreme floods. This rail network through Fargo transports half of the 1 million barrels a day of oil produced in North Dakota. The region's annual flooding threatens America's energy security; this project protects jobs and the nation's resources.

#### PROJECT INFORMATION

**Authority:** 

U.S. Army Corps of Engineers

Total Investment: \$2.2 Billion

Federal Investment:

\$450 Million (\$70M request for 2017)

State and Local Investment \$1.75 Billion (approved)

#### Innovation:

The only U.S. Army Corps of Engineers Public-Private Partnership (P3), through a congressionally-authorized pilot program. The federal taxpayer is saving over \$400 Million.

#### Over 2,000 Annual Jobs:

1,556 Annual Direct Jobs 523 Annual Indirect Jobs

#### **STATUS**

All federal permits and approvals have been granted

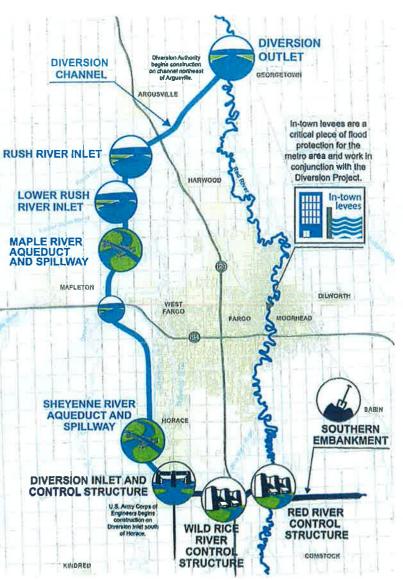
Construction ready to begin in 2017

6-8 years total construction time, but construction is based on the pace of federal appropriations

Engineering 30-100% complete, varies by component

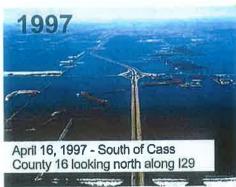
Strongly supported by major local employers including Microsoft, John Deere and Anheuser-Busch

Leveraging public and private financing to build our nation's infrastructure





# Flood Risk facing Fargo and Moorhead

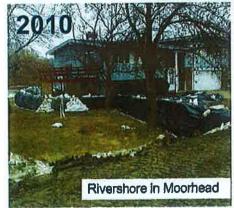




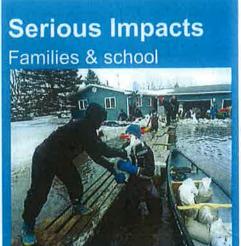




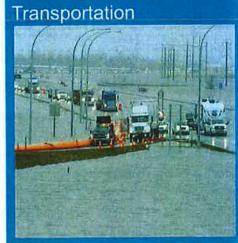














## Flood Insurance Risk in **Fargo**

#### FEMA's Changing 100-year Floodplain

The Federal Emergency Management Agency (FEMA) looks at areas and determines what risk they are at for flooding. This guides the creation of flood maps. Congress requires areas to be looked at for updates every five years.

homes impacted by future FEMA floodplain

These structures would need flood insurance without the FM Area Diversion Project

\$3,000

average annual flood insurance premium per home

~\$30-\$50 Million

> in total annual citywide flood insurance premiums

> > **Future**

Homes located within the floodplain may be required to purchase flood insurance.

Pre-2015

2015

#### 38.5 Feet

- · 29,300 cubic-feet-per-second (CFS)
- 475 Impacted Structures

#### 39.4 Feet

- · 29,300 cubic-feet-per-second (CFS)
- Approximately 2,300 Impacted Structures

#### 41.1 Feet

- 34,7000 cubic-feet-per-second (CFS)
- Approximately 11,000 homes impacted and 16,000 total structures

#### Fargo's Building Requirements More Strict than Federal and State Regulations.

Due to the threat of flooding, requirements set for new building in the city exceed the minimums set by FEMA and the State of North Dakota.

Building regulations in Fargo require new structures to be built to an elevation of FEMA Base Flood Elevation plus 2.0' or 41' water surface elevation plus 1.2', whichever is higher.

Fargo also requires new homes to have flood-proof basements and be at least 450 feet from the River.

#### **Existing Structures**

PROTECTED BY THE FM AREA **DIVERSION PROJECT** 

 Average annual flood insurance policy \$3,000 to \$5,000

#### New Structures

PROTECTED BY REQUIREMENTS

- Strict requirements prevent homes from being built near the river.
- Homes also required to have flood-proof basements



### **Funding and Financing**

#### PROJECT FUNDING

The Diversion Authority has developed a financial model for the Project. The model uses multiple financing tools to achieve a prudent, robust, and cost-effective financial profile. In addition, the model assumes the funding split displayed in the pie graph to the right.

#### AT A GLANCE

- \$2.2 Billion project cost
- Includes the Diversion Project and In-town Levees
- 50% funding from Federal and State grants
- Local funding from Cass County and Fargo sales tax
- No special assessments needed
- Assessment District utilized to protect credit ratings and secure longterm financing

Federal
Government
\$450 Million

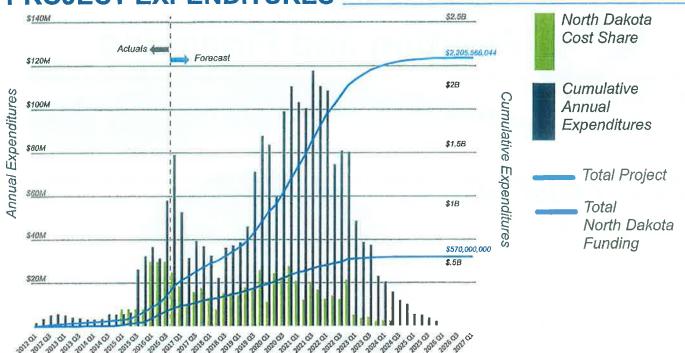
Local Funding
\$1.1 Billion
(Sales Tax proceeds)

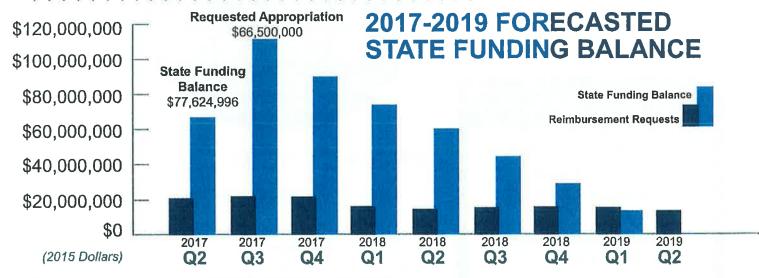
#### PROJECT COST\_

	\$763M	Diversion Channel & Associated Infrastructure
	\$371M	Southern Embankment & Associated Infrastructure
	\$64M	Other Mitigation Projects
	\$204M	In-Town Flood Protection
	\$14M	Enabling Work/Other
	\$426M	Land Acquisition & Mitigation
	\$80M	Engineering and Design
	\$119M	Program Management
	\$159M	Contingency
1800	***************	***************************************

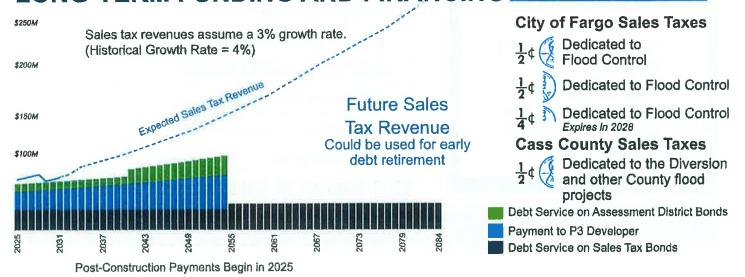
\$2.2 Billion in total costs (Dec. 2015 \$)







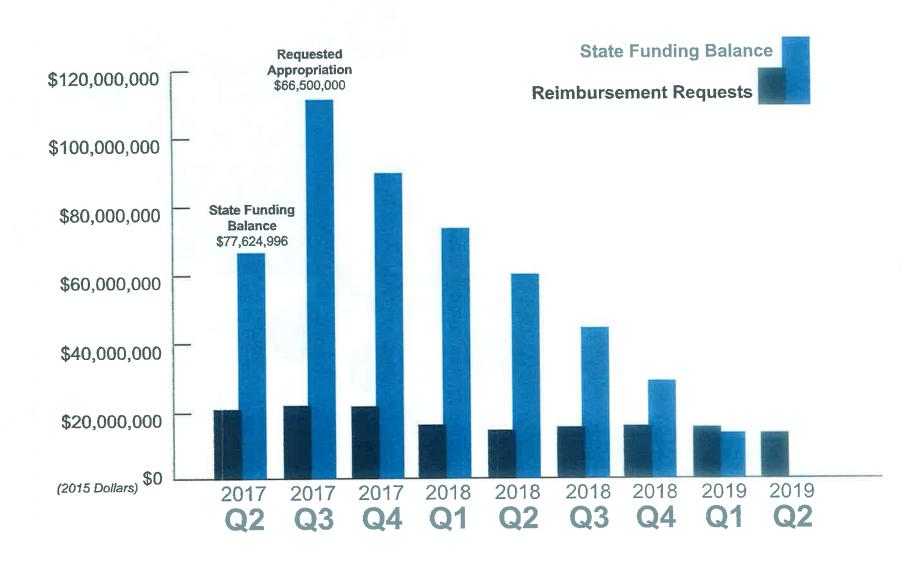
#### LONG-TERM FUNDING AND FINANCING

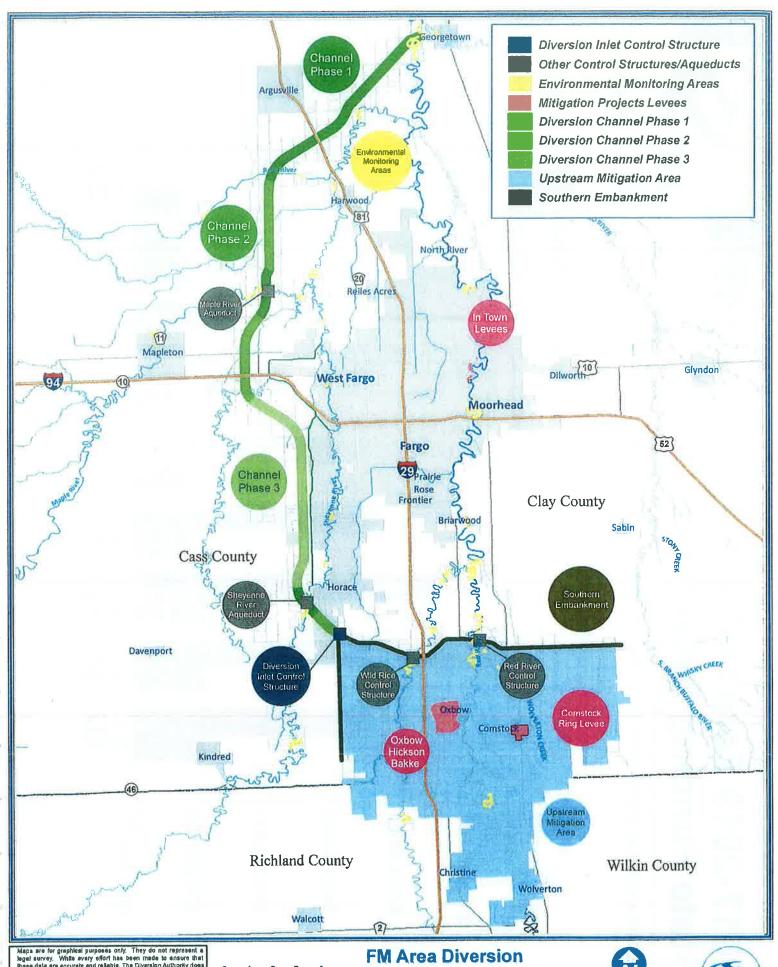


# 2017-2019 Forecasted State Funding Balance



Federal and Fargo Interior Flood Protection Projects





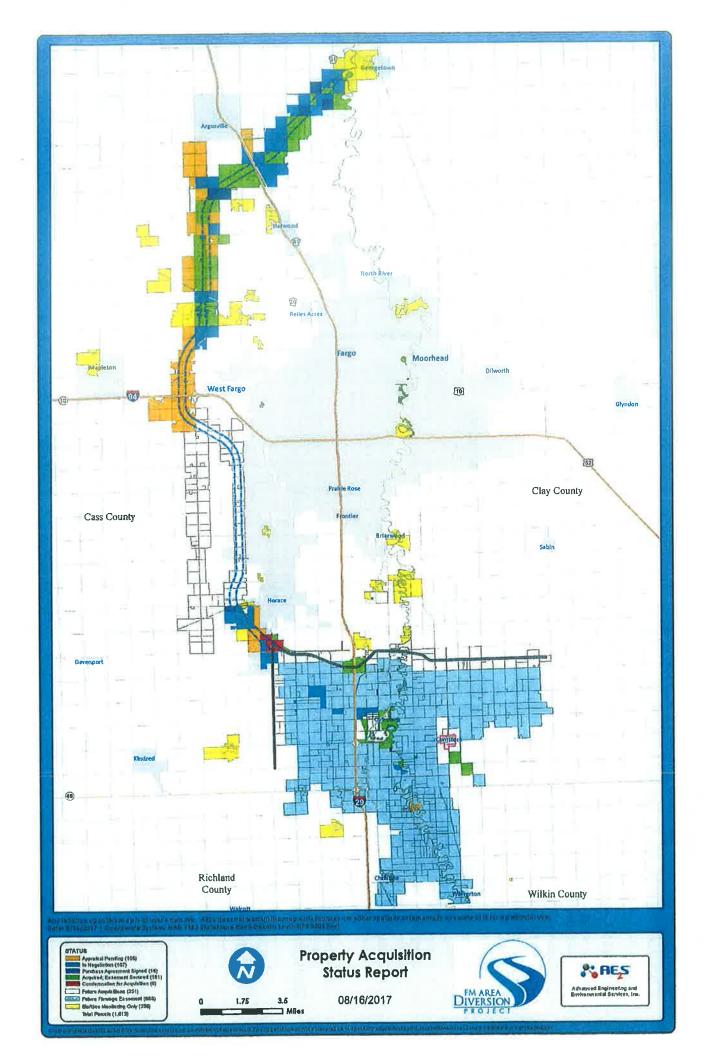
Maps are for graphical purposes only. They do not represent a logal survey. White every effort has been made to ensure that these data are accurate and reliable, The Diversion Authority does not guisanate the accuracy of the Information, and walvas any warranty or guarantee of any kind, express or implied. The diveloped in the project is continuously refined and revised; you should not rely on this information for technical purposes or accuracy.



FM Area Diversion
Key Acquisition Areas







# Informational Sheet Richland County

#### **Richland County Impacts**

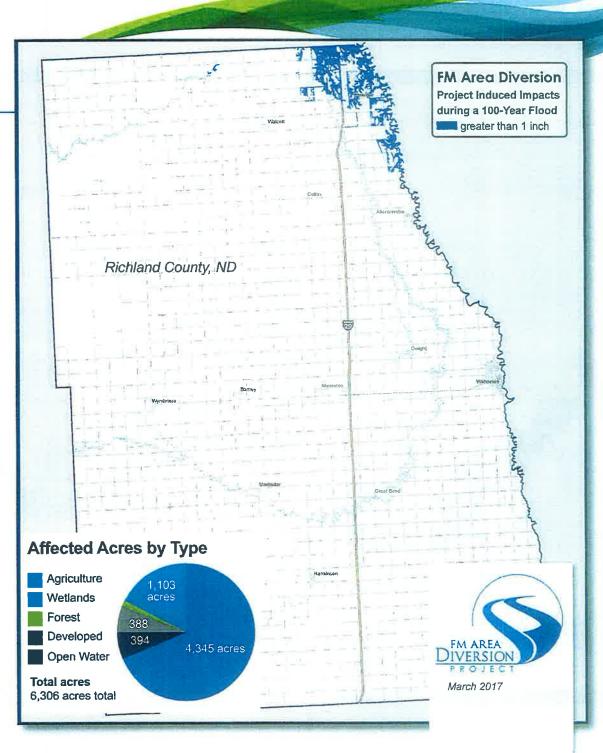
- Due to the dry dam, impacts would only be seen during large flood events when the Diversion Project was operated.
- There would be no impacts until water in the Red River exceeds
   35 feet in Fargo. Thirty-feet is considered major flood stage.
- 42% of the acres impacted are already included in the current FEMA 100-year floodplain.
- If the Diversion Project would have been built 100 years ago, it would have operated an estimated 11 times for a total of 69 days.
- During a 100-year flood event, five residential structures would be impacted, two of these structures would be impacted with less than six inches during a 100-year event
- During a 100-year flood, approximately 6,300 acres would have an additional water between one inch to a maximum of three feet.
- The additional duration of flooding is estimated to be two to three days.

#### **Richland County Mitigation**

- Flowage Easements will be purchased on impacted land. They
  will be valued by independent, professional appraisal.
- · Development can continue.
- Impacted residences and structures will be acquired in accordance with state and federal law.
- Project impacts will be mitigated consistent with the Mitigation Plan online at www.fmdiversion.com/studies-technical-documents/

#### **Richland County Benefits**

- 1,872 Richland County residents, 22% of the county workforce, work in Fargo-Moorhead.
- Flood protection for regional resources including healthcare, entertainment, universities/colleges, transportation and other services.



# Informational Sheet Wilkin County

#### **Wilkin County Impacts**

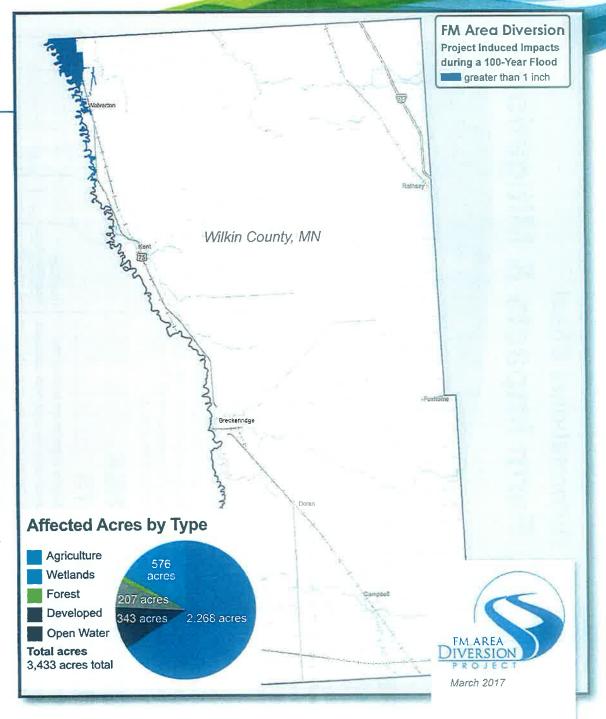
- Due to the dry dam, impacts would only be seen during large flood events when the Diversion Project was operated.
- There would be no impacts until water in the Red River exceeds
   35 feet in Fargo. Thirty-feet is considered major flood stage.
- 46% of the acres impacted are already included in the current FEMA 100-year floodplain.
- If the Diversion Project would have been built 100 years ago, it would have operated an estimated 11 times for a total of 69 days.
- During a 100-year flood event, six residential structures would be impacted.
- During a 100-year flood, approximately 3,443 acres would have an additional water between one inch to a maximum of three feet.
- The additional duration of flooding is estimated to be two to three days.

#### **Wilkin County Mitigation**

- Flowage Easements will be purchased on impacted land. They will be valued by independent, professional appraisal.
- · Development can continue.
- Impacted residences and structures will be acquired in accordance with state and federal law.
- Project impacts will be mitigated consistent with the Mitigation Plan online at www.fmdiversion.com/studies-technical-documents/

#### Wilkin County Benefits

- 318 Wilkin County residents, 8% of the county workforce, work in Fargo-Moorhead.
- Flood protection for regional resources including healthcare, entertainment, universities/colleges, transportation and other services.





## Farm Impacts & Mitigation

November 2016

#### **UPSTREAM RETENTION AREA**

The FM Area Diversion Project includes upstream retention of flood waters during times of extreme flooding. This is an essential component to safely control the flood waters upstream and downstream of the metro area and is the most effective and efficient storage. In the past 100 years, the Project would have operated 11 times for a total of 69 days.

During operation of the Project, the upstream retention area will temporarily store various amounts of flood waters, depending on the magnitude of the flood event. The retention area will not be used every year and will not be used until a flood event exceeds 35-feet flood stage through Fargo-Moorhead. An NDSU study concluded there is an 85% chance every year that no water will be stored upstream. Under an extreme flood event, such as the 100-year flood, the upstream retention area will impact about 39,000 acres, and approximately half of those acres would be impacted today under the same flood event without the project.

# AGRICULTURAL RISK STUDY OF IMPACTS \_

NDSU Agribusiness and Applied Economics department studied the risks and impacts of the Project on farm revenue in the upstream retention area. The study identified the following:

"The study considered

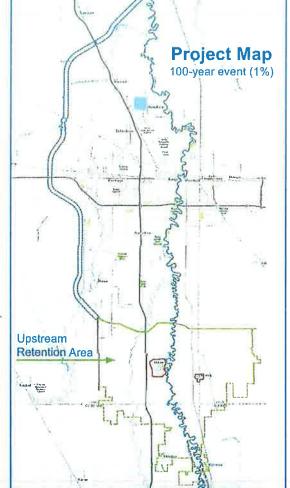
numerous factors and

would not be substantial."

concluded that the

revenue losses to agricultural producers

- The study indicated that "the key is to determine when producers can begin planting and if planting is delayed due to the diversion what, if any, planting delays cost the producer in lost revenue."
- Accordingly, the NDSU research team studied two particular dates:
  - When flood water leaves the land, and
  - When spring planting begins in the retention area.
- Historical data indicates that spring planting starts most frequently about the same time as the effects of man-made flooding are over.
- Between 10,800 and 18,500 acres (depending on flood event size) will flood due to diversion that would not flood otherwise.
- Cumulative revenue losses across the entire study area ranged from \$0 in the best-case (no flood) situations to slightly over \$3 million per event over the entire area of 39,000 acres in the worst-case (extreme flood) situations.
- Conclusions from the study indicated that "there is a high-probably of incurring planting delays associated with man-made water storage. But, planting delays created by the proposed FM Diversion, at this time, do not appear to be extensive at least not several weeks in length. Large delays are possible, but those situations are not as likely as shorter delays."



#### AT A GLANCE

- The retention area will not be used every year. The area will only be used when a flood event exceeds 35-feet.
- There is an 85% chance every year that no water will be stored upstream.
- Smaller storage areas distributed upstream do not provide the level of protection necessary and would have greater impacts.
- Upstream retention in planned location is most effective and efficient because it's close to the area being protected.

#### **MITIGATION: FLOWAGE EASEMENTS**

- Upfront payment to property owners impacted by the retention of flood waters.
- Easement provides legal ability to temporarily and occasionally retain flood
- Easement
  will allow
  farming to
  continue,
  however,
  development
  may be regulated depending on extent
  of impacts.
- Easement
   value is determined by a market-based appraisal, considering depth, duration, and frequency of flooding, highest
   and best use of the property, and property impacts.
- Easement values will vary by parcel with the general trend
  of higher easement values closer to the embankment and
  lower easement values farther from the embankment.
- LOW MBANKMENT FREQUENCY 10% Deepest water **VERY LOW FREQUENCY** EMENT VALUE AMOUN EXTREMELY LOW FREQUENCY 1% Very little water Red River Comstock Levee Oxbow Levee Project Footprint Interstate 10 year Flood with Project 25 year Flood with Project 50 year Flood with Project 100 year Flood with Project
  - Easements are required by Federal law for the Project.
  - The purchase of flowage easements is included in the Project cost estimate and financial plan.

#### MITIGATION: SUMMER FLOOD CROP INSURANCE

- On-going payment to producers for the crop loss caused by summer operation of the Project.
- Summer operation of the Project is extremely unlikely, but summer operation could cause devastating damage to growing crops.
- Diversion Authority has committed to provide greater mitigation than required by Federal or State laws, and greater than what has historically been provided.
- Diversion Authority will either purchase an insurance product or self-fund the program, and provide coverage free of charge to producers.
- Ongoing O&M costs incurred after initial Project construction will be paid by sales taxes or a
  maintenance assessment to the properties benefited by
  the Project.

#### Quick Take Timeline and Steps (per-SB2047)

June 19, 2017



#### Introduction

The following timeline and steps are based on the interpretation of Senate Bill 2047 passed during the North Dakota 65<sup>th</sup> Legislative Assembly, and will become effective August 1, 2017. The use of quick take eminent domain is not the preferred solution to acquiring property rights, but the process is relied upon for schedule certainty. As such, the Cass County Joint Water Resource District (CCJWRD) will utilize the following timeline and steps for acquisition of property rights for the FM Area Diversion Project if it becomes a necessity.

#### Timeline / Steps

inneline / Steps	
Step	Timeline
1. Complete pre-acquisition processes. Including: Identification of parcels and	
common ownership, Contracting actions, Rights of entry, Certificates of survey	s,
Obtain and review abstracts.	
2. Appraisal of property rights ordered	Day 1
3. Appraisal reviewed and just compensation amount approved by CCJWRD Board	d Day 60
4. Contact with property owners and provide property owners with copy of appra	aisal of Day 61
property rights.	
Informal negotiations	+60 day
5. Informal negotiations between Land Agent and Property Owner	Day 121
Formal negotiations – If no agreement, no sooner than 60 days, proceed into formal	
negotiations	
6. Send to property owner by certified mail the appraisal and offer of just	Day 121
compensation.	
If no agreement, no sooner than 15 days	+15 day.
7. Send to property owners by certified mail, an invitation to meet in person with	Day 136
CCJWRD representatives.	
8. Meet with property owner	Day 136 – 166
If no agreement, no sooner than 30 days	+30 day
9. Send to property owner by certified mail, a notice that CCJWRD intends to take	Day 166
possession of the right of way within 30 days if there is not agreement regarding	ng
compensation.	
If no agreement,	
10. CCJWRD requests approval from Cass County Commission for approval to take	Day 167
possession of the right of way by utilizing quick take eminent domain.	
11. Cass County Commission agrees to consider request from CCWJRD, places the	topic Day 167
on its agenda, and provides a 30-day notice to the property owner of the public	c
meeting.	
12. CCJWRD board chair files affidavit to Cass County Commission verifying that no	1 '
reference or threat of quick take eminent domain was used during negotiation	S
	+30 day:
13. Cass County Commission holds public meeting and votes to approve use of quie	
take eminent domain by CCJWRD to take possession of right of way.	(or the next regular Count Commission Meeting)
14. CCJWRD board chair files affidavit stating the CCWJRD fulfilled the negotiating	steps Day 198
and deposits the amount of the written offer with the clerk of district court.	
Meeting schedules and contingency allowance	+30 day
15. Done	Day 228



## **Split Delivery Construction**

What does Split Delivery mean?

Split delivery means the \$2.2 Billion Federal Project will be delivered simultaneously in two main components. One component will be delivered by the Diversion Authority, and one by the U.S. Army Corps of Engineers.

The U.S. Army Corps will begin construction on the Diversion Inlet Control Structure and then proceed east with the Southern Embankment.

The P3 Partner, working in partnership with the Diversion Board of Authority, will construct the 30-mile Diversion Channel and associated infrastructure.

By splitting the work, it allows the project to be completed more quickly which saves time and money. This also means the Project will be able to protect the Fargo-Moorhead metropolitan area from flooding within eight years

P3 Partner &

**Diversion Board** 

of Authority

**Project** 

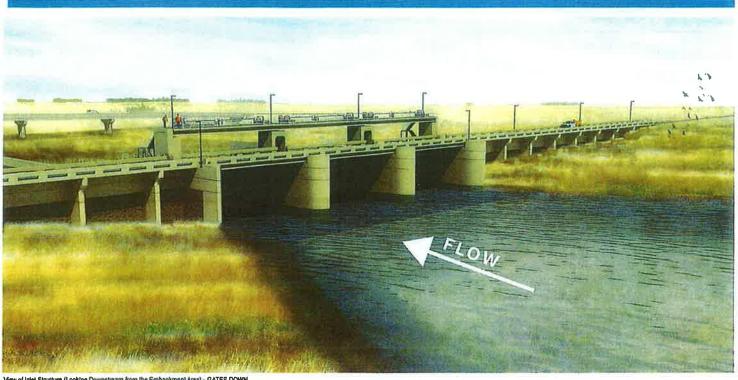
Complete

constructs the GEORGETOWN and Associated ARGUSVILLE P3 Construction Infrastructure HARWOOD Aqueduct & Outlet Spillway. Drain DILWORTH FARGO WEST MOORHEAD **Corps Construction** Channel Control Structures Inlet Structure HORAGE Southern Embankment U.S. Army KINDRED Corps of Southern Embankment **Engineers** and Associated

Infrastructure

#### FM AREA DIVERSION PROJECT **DIVERSION INLET STRUCTURE**

November 2016



instream from the Embankment Area) - GATES DOWN

Diversion Inlet Structure is a gated control structure that will control the amount of water that enters the diversion channel from the upstream staging area, Features include three 50-foot wide tainter gates, a vehicle service bridge across the structure, mechanical platform and control building.

A gated structure allows greater control in keeping downstream impacts negligible

100-year flood = 20,000 cubic feet per second (cfs)

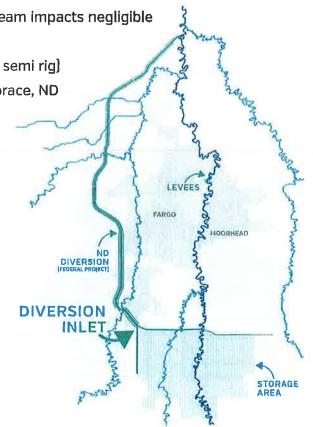
Each gate will weigh 87,000 pounds (Equal to a fully-loaded semi rig)

Located in NE corner of County Roads 17 and 16, south of Horace, ND

#### **SCHEDULE**

- Issued solicitation
- Opened proposals
- Award contract
- Notice to proceed [14 days]
- Contractor submittals and review
- Contractor mobilizes and begins preload construction to stabilize soils
- ▶ End of 275 day preload of site/ start construction of structure
- Complete construction of Inlet

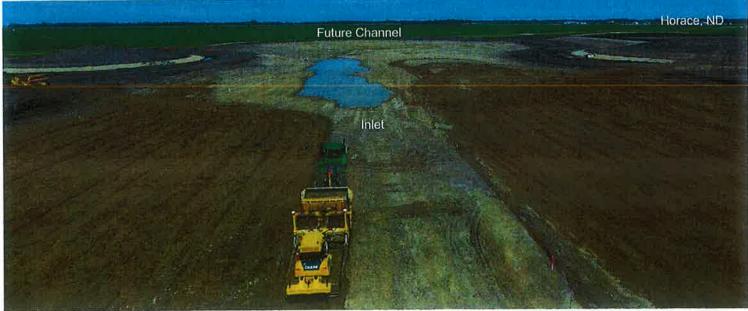
- 11 July 2016
- 1 Sept 2016
- Dec 2016
- Dec 2016
- Jan March 2017
- April 2017
- Feb 2018
- 2020





# Inlet and Control Structure







### In-town Levee Construction

#### 20 miles of levees built

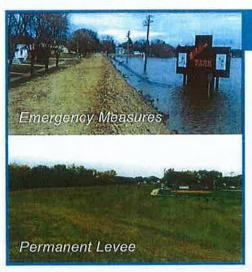
Work on levees in Fargo has been ongoing since 2009. The work is funded by the local sales tax that is dedicated for flood control projects, and through funds from the state of North Dakota.

In-town levees in conjunction with the FM Area Diversion Project will provide 100-year certifiable flood protection for the Fargo-Moorhead metropolitan area.

#### AT A GLANCE

- More than 20 miles built. In 2009, 47 miles of emergency levees had to be built to save the city.
- 191 buyouts = \$62 Million
- Total project cost estimated at \$198 Million
- This work reduces the number of sandbags needed for a 2009 event by approximately 4.5 million.

#### **Before and After**

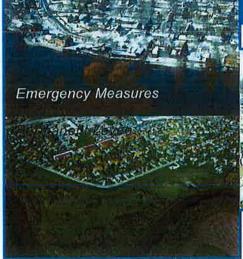


#### Mickelson Park Area

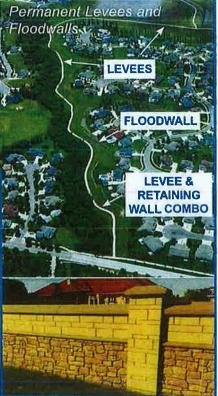
#### **Timberline Area**











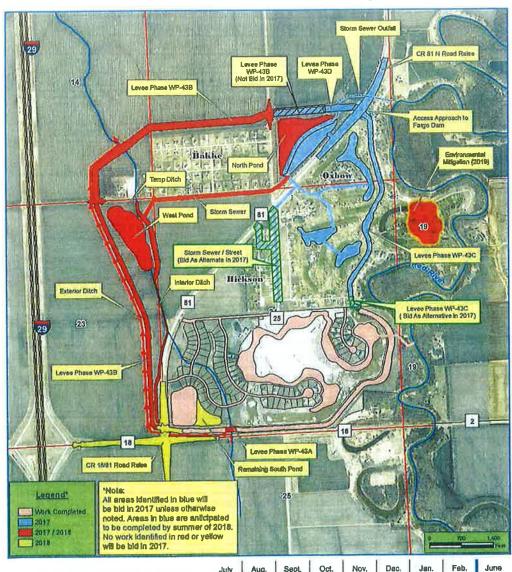


### **OHB Ring Levee Construction**

#### PROJECT UPDATE

Construction of the levee along the eastern side of Oxbow, along with a large storm water pump station and internal drainage features, will resume later this year after final design and bidding is complete.

When combined with future construction efforts planned after resolution of the litigation, Oxbow, Hickson, and Bakke will be fully protected against both natural flooding and the water that would be stored temporarily upstream of Fargo-Moorhead by the Diversion Project.



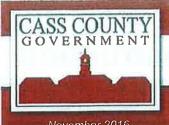
Bidding

Early July
July
July to
August
Early
August

Construction (2017)

CONSTRUCTION (	2011)
Highway 81	Early August to Late October
North Pond	Mid. August to Late October
Pump Station	Mid August June 2018
Hickson Main Ave	Mid August to Early October
Oxbow Drive	Mid Sep- tember to early Novem- ber
East Levee	Mid August to late Septem- ber
Fargo Sanitary Sewer Utility	Mid August to Mid October

Highway 81 closed
North Pond
Pump Station
Main Ave. Hickson closed
Oxbow Drive closed
East Levee Construction
Fargo Sanitary Sewer utility relocation



## **Funding Available for Cass County Flood Projects**

November 2016

#### AT A GLANCE

- Money is available to cities & townships for flood protection around the county.
- Cass County voters recently passed an extension of the sales tax that provides flood mitigation projects.

Since 2010 when Cass County voters approved a sales tax for flood protection, 28 projects across the County have received funding for flood protection to protect homes, farms, and an industrial park through the construction of dams, levees, detention, lift stations, and repairs to previously damaged infrastructure.

The sales tax started six years ago when county citizens voted to authorize the collection of 1/2 of a percent sales tax. The tax is authorized until March 31, 2031 and an extension is being proposed on the November 8 ballot. The money collected is used towards land purchases, engineering, construction, and maintenance of flood control projects.

While a majority of this income will be used for the FM Area Diversion Project, nine percent has been set aside for other Cass County flood control projects.

y Sales	Tax Re	venue
	3	ZA.38
CA Welter -	*	Vicini 1
11	* 5	
2011	_  - (	Mary Control
	y Sales	artially Funded y Sales Tax Rev

Project	Total Approved
Round Hill Project	\$350,696.00
City of Oxbow Diking	\$ 105,284.29
2012 City of Argusville Diking	\$ 168,925.00
2012 Maple-Steele WRD Study	\$ 20,562.00
2012 City of Mapleton – Lift Station	\$ 52,500.00
2013 Pontiac Township - Project No 73	\$ 448,000.00
2013 City of Argusville - Levee improvement	\$ 23,874.73
2013 City of Casselton – Levee Repairs	\$ 23,750.00
2013 Maple-Steele – Dam Project	\$ 17,500.00
City of Mapleton Levee Recertification	\$ 543,324.58
2014 Pontiac township Project no 73 additional	\$ 52,000.00
2014 Upper Maple River Dam	\$ 706,000.00
2014 Lake Bertha Flood Water Detention (reduced from)	\$ 66,215.45
2014 Detention project Development:	\$-
2015 Normanna Township Slide Repair and Road Move	\$ 40,500.00
2015 Upper Maple River Detention Study Phase II	\$ 45,500.00
2015 Rush River Detention Study Phase II	\$ 45,500.00
2015 Swan Creek Detention Study Phase II	\$ 45,500.00
2015 Harwood Levee Improvements	\$ 556,935.00
2015 Casselton industrial Park Improvements	\$ 242,500.00
2015 Reed Township Road Raise	\$ 60,308.18
2016 City of Mapleton Levee Raise	\$ 99,812.68
2016 City of Mapleton Levee Recert change order	\$14,867.00
2016 Erie Dam Repairs	\$ 35,000.00
2016 Absaraka Dam Repairs	\$ 11,183.50
2016 Garsteig Dam Repairs	\$ 12,696.51
2016 Embden Dam Repairs	\$ 12,167.40
2016 Drain 77 Study Maple River Water Resource	\$ 20,000.00
TOTAL	\$ 3,821,102.32

For more information contact Jason Benson, Cass County Engineer at 701-298-2372



#### FM Diversion Litigation in Brief Summary

As of July 19, 2017

Legal Overview

The Richland/Wilkin JPA (RWJPA) initially alleged 10 Counts in its Complaint – five against the Corps and five against the Diversion Authority. In Dec., 2016, the Court allowed the Minnesota Department of Natural Resources (MDNR) could join as a party to the lawsuit and make additional claims.

- All five original counts against the Corps have been dismissed and three against the
  Diversion Authority have been dismissed, which had removed the Corps as an active
  defendant in the case.
- Two procedural claims remain against the Diversion Authority that assert that it violated the Minnesota Environmental Policy Act ("MEPA") and the Minnesota Environmental Rights Act ("MERA").
- The new additional claims by the MDNR, related to federal NEPA claims against the Corps and additional state claims against the Diversion Authority, as well as a claim by the JPA against the Diversion Authority based on WRRDA, have yet to be ruled on.

#### **Recent Updates:**

- The City of Oxbow requested the Court to remove the injunction against the Oxbow-Hickson-Bakke ring levee.
  - The parties met with the federal Magistrate judge on April 4<sup>th</sup>, 2017 and subsequently, the Magistrate agreed to a partial lifting of the injunction on construction in Oxbow.
- A hearing was held on July 18 to discuss motions made by the MDNR and the JPA, who are attempting to halt ongoing construction through a request for a preliminary injunction of the Fargo-Moorhead Area Diversion Project. The Corps also moved to dismiss all claims, and the Diversion Authority moved to dismiss the JPA's WRRDA claim.
  - o The Court is expected to rule on the injunction motions and the motion to dismiss within 30 days.

#### **Additional Information**

The Corps of Engineers has begun construction on the gated inlet structure in North Dakota. All North Dakota permits for this construction have been obtained. The MDNR had previously stated that it does not issue permits for activities in North Dakota, but now asserts the Corps or Diversion Authority need a Minnesota permit as well.

The MDNR has also indicated that it will require the Diversion Authority to obtain a permit for construction of the Red River control structure and associated tiebacks in Minnesota.

- As an accommodation to the MDNR, the Diversion Authority previously submitted a "Preliminary Report" as part of the permitting process for the Red River control structure, but in October 2016, MDNR issued a Permit Denial Order.
- The Diversion Authority challenged the denial by requesting a contested case hearing, which restarts the entire process from scratch and requires an evidentiary hearing and fact finding by an administrative law judge.
- The Minnesota Office of Administrative Hearings has initiated the hearing process, which is expected to take several months.
- The Corps, not the Diversion Authority, will be constructing in Minnesota and the Court has previously ruled that the Corps had sovereign immunity from state regulation. Unless he changes his mind, the Corps should not be required to obtain a permit. The MDNR asserts, however, that the Diversion Authority should be required to obtain a permit for the Corps' work. We expect the Judge will rule on that issue as part of his ruling on the injunction.

### State Water Commission (8/23/17)

#### **Talking Points**

- Governor Burgum and Commissioners...
  - a. Congratulations to the new members of the Commission. Thank you for your service to the State.
  - b. A packet is being handed out to you with additional information on our activities, some we will cover, and some we won't have time for today.
- Diversion Project Overview
  - a. Thank you for the opportunity to provide you an update on this critical project to protect our region
    - i. We have a flood risk in Fargo-Moorhead, and in the areas of Cass County surrounding the metro.
    - ii. Much has been done to improve our flood risk, but we need the Diversion.
    - iii. Without the Diversion, approximately 11,000 homes in Fargo are at risk of being in the FEMA's 100-year floodplain.
    - iv. If we are not making progress on the Diversion, FEMA has said they will proceed with another round of remapping.
    - v. The people are Fargo are excited to have begun construction on the Project that will prevent \$30-\$50M in annual flood insurance premiums.
- Construction Update
  - a. This last April we joined the U.S. Army Corps in breaking ground on the Inlet Control Structure located south of Horace, officially starting construction of the Diversion Project.

2. Cass County Commissioner Chad Peterson will speak to our land acquisition progress

#### Land Acquisition

- a. The Project requires acquisition of property rights from over 1,800 parcels. This is a major component to the project and we are making progress.
- b. Of this amount, we only need easements on approximately two-thirds of these parcels, rather than full acquisition.
- c. 181 properties/easements have been acquired
  - i. We have had to use court action to obtain the necessary rights on 6 properties (this is approx. 3% condemnation rate)
- d. We continue to have property owners approach us to start negotiations, and as such, we are in the final stages of negotiations on several additional properties

#### Litigation

- a. As you know, we've been in litigation for over four years now and a lot has been said on both sides of that issue.
- b. Last month, we were in St. Paul at a hearing. The Corps presented a motion requesting to dismiss the remaining claims against the federal government. The MDNR and Upstream JPA argued their motions for a temporary construction injunction. Our legal counsel argued against the injunction request, stating that the Diversion Authority is not doing any work that is permittable by MN.
  - i. We felt confidence of our legal standing before the hearing, and continue to feel confident.
  - ii. We are now waiting to hear from the Judge



# 2017-2019 RRVWSP Work Plan

Presented to: **State Water Commission** 

August 23, 2017

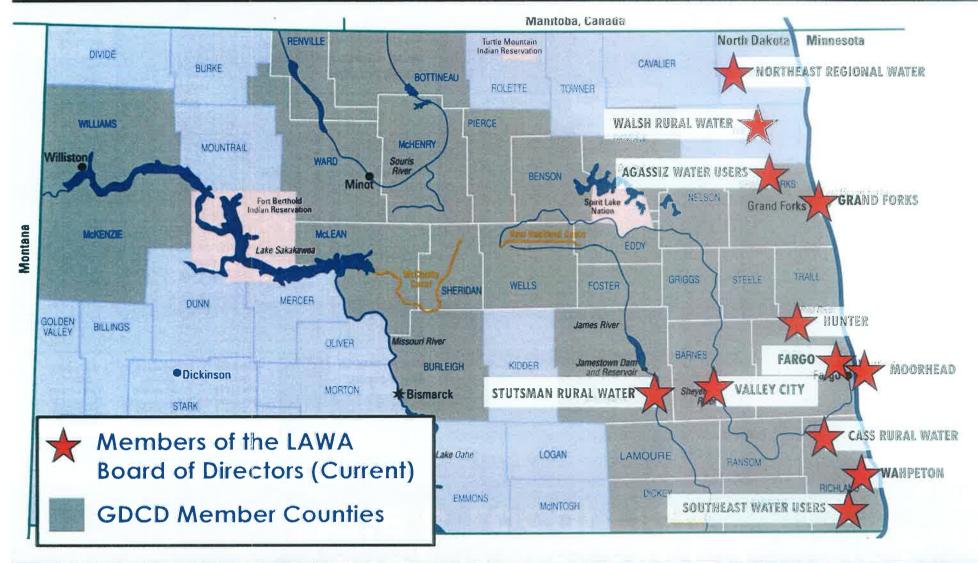




# Red River Valley Water Supply Project

- Project Overview
- 2015 to 2017 Review
- 2017 to 2019 Work Plan
  - Project Priorities
  - Work Plan Objectives

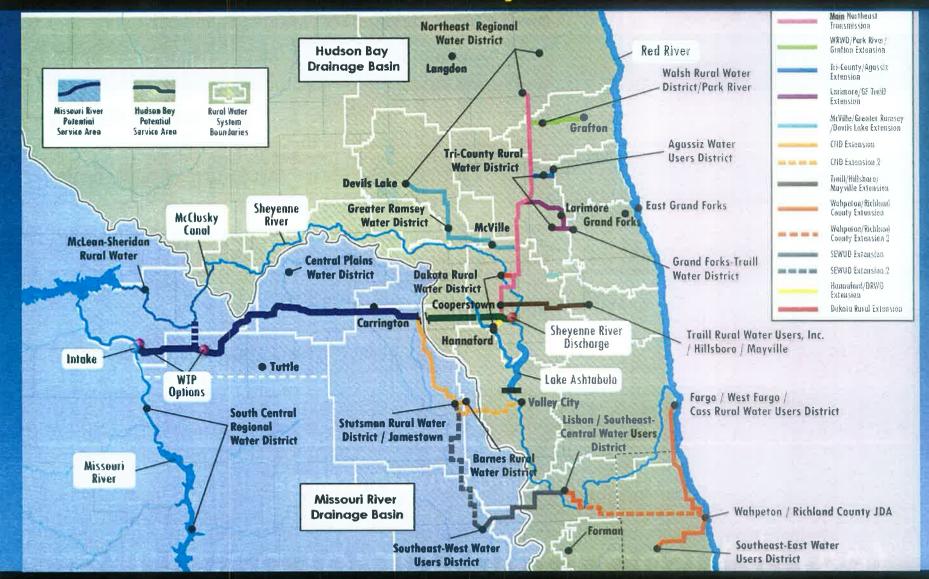
# Red River Valley Water Supply Project Garrison Diversion Conservancy District & Lake Agassiz Water Authority



# Red River Valley Water Supply Project State & Local Plan



# Red River Valley Water Supply Project 35 Cities and Water Systems Committed



# Estimated Total Project Cost (2016\$)

RRVWSP	<b>ESTIMATED</b>	PROJECT	COST*

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	165 cfs System
Conventional Intake, Intake Pumps, & Supply Cost	\$75 M
Transmission Pipeline Costs (including ROW)	\$857 M
Pump Stations, Break Tank, & Hydraulic Structures	\$72 M
Water Treatment Plant Costs	\$59 M
Discharge Structure Costs	\$2.0 M
TOTAL PROJECT COSTS	\$1.065 B

<sup>\*</sup>Excludes Pipeline Extensions/Includes Admin, Engineering, Legal and Real Estate

<sup>\*\*\$171</sup> Million savings if McClusky Canal is utilized

# Red River Valley Water Supply Project 2015-2017 Work Plan

Missouri River Water Supply \$3.3 million



Water Treatment Plant and Pump Systems \$2.3 million



Pipeline Alignment \$5.0 million Outfall/Discharge \$1.3 million



Land Services & Needs Assessment \$1.1 million

# Red River Valley Water Supply Project 2017-2019 Biennium



\$17
Million
DESIGN AND
EASEMENTS



\$13
Million
STRATEGIC
CONSTRUCTION

# 2017 to 2019 Transition Plan

- Transition from preliminary design to final design and strategic construction
- Meet legislative mandates of HB1020
- Prepare for 2019 to 2021 and beyond



## 2017 to 2019 Work Plan

Legislative Mandates – HB1020

- Any funding received for the completion of the planning and permitting process of the Red River valley water supply project must result in the following accomplishments:
  - A. The completed Red River valley water supply plan document that will be the basis and justification for the project construction and must include:
    - Alternative Selection, Water Supply Needs, Projected Project Costs, Easement Acquisitions, Environmental Regulation Compliance (Boundary Waters Treaty of 1909), and Implementation Schedule

#### 2017 to 2019 Work Plan

Legislative Mandates – HB1020

- B. Acquisition of all state and federal permits required for the construction of any project features intended to be constructed with funding provided during the 2017-19 biennium;
- C. A signed Bureau of Reclamation water service contract agreeing to a minimum of one hundred sixty-five cubic feet per second over a minimum of forty years or equivalent to ensure an adequate water source for the project's needs;
- D. Prioritized project features for phase one construction;
- E. A recommendation for funding options for all phases of the Red River valley water supply project.

#### 2017 to 2019 Work Plan

Legislative Mandates – HB1020

- 2. Any funding received to initiate construction of phase one prioritized project features identified in subsection 1 may be spent and construction of phase one may begin only after the budget section receives and approves certification from the state water commission and the state engineer that all items listed in subsection 1 have been accomplished.
- 3. Quarterly progress reports on the Red River valley water supply project from the Garrison Diversion Conservancy District to the water topics overview committee of the legislative management, during the 2017-18 interim

# Red River Valley Water Supply Project 2017-2019 Work Plan



Exercise Options & Require Remaining Easement Options \$6.36 million



Final Design of Strategic Section of Pipeline \$6.35 million

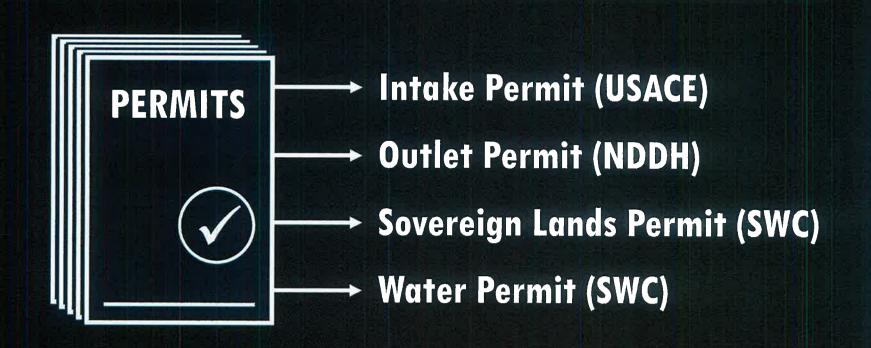


Final Design of Intake & Discharge \$4.3 million



Begin Construction of Key Components \$13.0 million

# ACQUISITION OF STATE AND FEDERAL PERMITS



# SECURE WATER SOURCE



Bureau of Reclamation Environmental Assessment under review for 20 cfs for central North Dakota



Request made to Department of Interior for 165 cfs from McClusky Canal

OR

Missouri River Conventional Intake

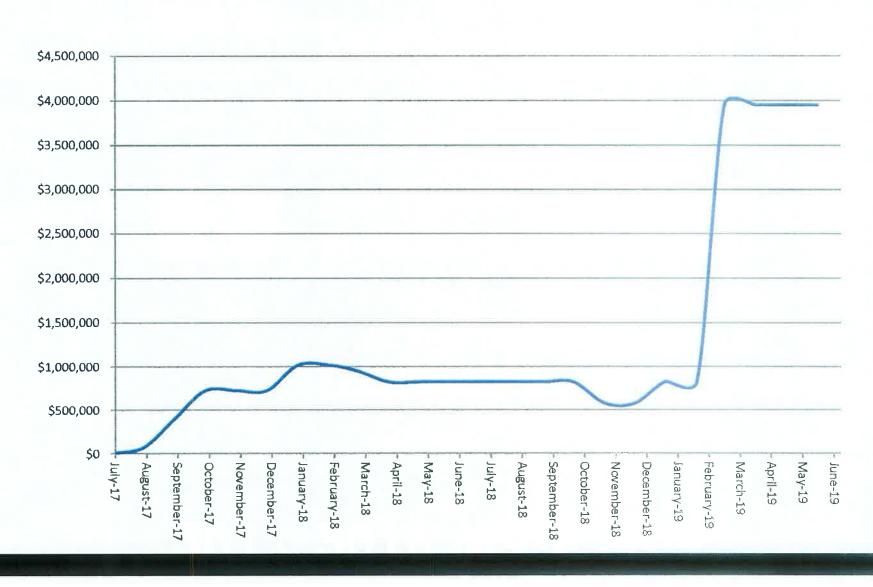
### **ENGINEERING**



Implement Construction to Ensure Coverage Under Current Regulations

# 2017-2019 Work Plan Spend Rate

#### **Monthly Cash Flow**



#### **FINANCE**



Innovative project financing with State of North Dakota



Partnership with state and local users

# Red River Valley Water Supply Project State and Local Plan Anticipated Schedule

#### Fall 2017 Goal

- Preliminary Design

#### 2017-2019 Goal

- Implement Phased
   Final Design
- Implement Construction to Ensure Coverage
   Under Current
   Regulations

#### 2019-2027 Goal

 Engineering and Construction



# Red River Valley Water Supply Project

## **CURRENT UPDATES**



# YOUCAN FIGHT A FLOOD, NOT A DROUGHT



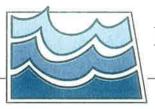
# THANK YOU!





Lake Agassiz Water Authority

Planning today for tomorrow's water



#### North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850 (701) 328-2750 • TTY 1-800-366-6888 • FAX (701) 328-3696 • http://swc.nd.gov

APPENDIX L August 23, 2017

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#### **MEMORANDUM**

TO:

Governor Doug Burgum

Members of the State Water Commission

FROM:

Garland Erbele, P.E., Chief Engineer/Secretary

SUBJECT:

Red River Valley Water Supply Proect

DATE:

August 7, 2017

The North Dakota Legislative Assembly has recognized the importance of providing a sufficient quantity of water to the people of the Red River Valley. North Dakota Century Code Chapter 61-24.7 contains language declaring the project necessary and in the public interest that the State, by and through the State Water Commission, should provide a share of the cost of constructing the project.

Section 7 of House Bill 1020, the Commission's appropriation bill, states: It is the intent of the sixty-fifth legislative assembly that the State Water Commission provide, in the form of a grant, up to \$30,000,000, of which \$17,000,000 is for the completion of the planning and permitting process and \$13,000,000 is to initiate construction of phase one prioritized project features. Section 8 of House Bill 1020 establishes the following requirements for this funding.

- 1. Any funding received for the completion of the planning and permitting process of the Red River valley water supply project must result in the following accomplishments:
  - a. The completed Red River valley water supply plan document that will be the basis and justification for project construction and must include alternative selection, water supply needs, projected project costs, easement acquisitions, environmental regulation compliance to include the Boundary Waters Treaty of 1909, and an implementation schedule;
  - b. Acquisition of all state and federal permits required for the construction of any project features intended to be constructed with funding provided during the 2017-19 biennium;
  - c. A signed bureau of reclamation water service contract agreeing to a minimum of one hundred sixty-five cubic feet per second over a minimum of forty years or equivalent to ensure an adequate water source for the project's needs;
  - d. Prioritized project features for phase one construction; and
  - e. A recommendation for funding options for all phases of the Red River valley water supply project.
- 2. Any funding received to initiate construction of phase one prioritized project features identified in subsection 1 may be spent and construction of phase one may begin only after the budget section receives and approves certification from the state water commission and the state engineer that all items listed in subsection 1 have been accomplished.
- 3. Quarterly progress reports on the Red River valley water supply project from the Garrison Diversion Conservancy District to the water topics overview committee of the legislative management, during the 2017-18 interim.

I recommend that \$17,000,000 for be approved for transfer to the Garrison Conservancy District for the purpose of planning and permitting the Red River Water Supply Project. This approval is subject to the availability of funds.

GE:DL/237



#### North Dakota State Water Commission

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APPENDIX M August 23, 2017

#### **MEMORANDUM**

TO:

Governor Doug Burgum

Members of the State Water Commission

FROM: SUBJECT:

Garland Erbele, P.E., Chief Engineer/Secretary Could Walt NDSWC Cost-Share Request - North Dakota Department of Health

Nonpoint Source Pollution

DATE:

August 21, 2017

In their correspondence dated June 12, 2017, the North Dakota Department of Health requested cost share assistance for their Nonpoint Source Pollution Project.

For the past several years the North Dakota Department of Health has coordinated with local organizations (e.g. Soil Conservation and Water Resource Districts) and state agencies to implement nonpoint source (NPS) pollution projects that address water quality impacts from concentrated livestock feeding areas. Through these projects, more than 200 livestock producers have received financial assistance to support engineering design costs for the most feasible manure management systems. Many of these producers have also received federal Section 319 (h) cost-share assistance to construct the systems. These manure management systems are estimated to have prevented thousands of pounds of nitrogen and phosphorus from reaching lakes and streams, helping protect and improve their beneficial uses.

The \$200,000 trust fund allocations have been invaluable for ensuring the necessary engineering services. Approximately 40% of engineering costs typically have been supported with trust funds, while the balance of costs has been supported with Section 319 (h) funds administered by the local NPS projects. With limited non-federal matching funds available locally, the trust funds have greatly helped NPS project sponsors support the needed engineering services.

Given the water quality benefits of properly designed systems and the continued need for engineering services, the department is requesting the SWC consider allocating \$200,000 in trust funds to support the delivery of engineering services during the 2017/2019 biennium. All trust funds will be allocated to local NPS projects to help match existing or new Section 319 funds committed for engineering assistance. Interested project sponsors will be asked to submit formal requests for the trust funds, which will be distributed according to demonstrated needs. When finalized, a summary of the project-specific allocations will be provided to the State Water Commission.

The estimated total cost of the project is \$200,000, of which all is eligible for state cost-share participation.

I recommend the State Water Commission approve this request by the North Dakota Department of Health for state cost participation in the Nonpoint Source Pollution Project at an amount not to exceed \$200,000. This approval is subject to the entire contents of the recommendation contained herein, and the availability of funds.

GE:bn/1859