

MINUTES

North Dakota State Water Commission Bismarck, North Dakota

May 20, 2015

The North Dakota State Water Commission held a meeting at the State Office Building, Bismarck, North Dakota, on May 20, 2015. Governor Jack Dalrymple, Chairman, called the meeting to order at 1:30 p.m., and requested Todd Sando, State Engineer, and Chief Engineer-Secretary to the State Water Commission, to call the roll. Governor Dalrymple announced a quorum was present.

STATE WATER COMMISSION MEMBERS PRESENT:

Governor Jack Dalrymple, Chairman
Doug Goehring, North Dakota Department of Agriculture, Bismarck
Arne Berg, Member from Devils Lake
Maurice Foley, Member from Minot
Larry Hanson, Member from Williston
George Nodland, Member from Dickinson
Harley Swenson, Member from Bismarck
Robert Thompson, Member from Page
Douglas Vosper, Member from Neche

OTHERS PRESENT:

Todd Sando, 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.

CONSIDERATION OF AGENDA

The agenda for the May 20, 2015 State Water Commission meeting was presented; there were no modifications.

It was moved by Commissioner Foley, seconded by Commissioner Goehring, and unanimously carried, that the agenda be accepted as presented.

**CONSIDERATION OF DRAFT MINUTES
OF MARCH 11, 2015 STATE WATER
COMMISSION MEETING - APPROVED**

The draft final minutes of the March 11, 2015 State Water Commission meeting were approved by the following motion:

It was moved by Commissioner Thompson, seconded by Commissioner Berg, and unanimously carried, that the draft final minutes of the March 11, 2015 State Water Commission meeting be approved as prepared.

**STATE WATER COMMISSION
BUDGET EXPENDITURES,
2013-2015 BIENNIUM**

In the 2013-2015 biennium, the State Water Commission has two line items - administrative and support services, and water and atmospheric resources expenditures. The allocated program expenditures for the period ending March 31, 2015, reflecting 88 percent of the 2013-2015 biennium, 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 "A"**

The Contract Fund spreadsheet, attached hereto as **APPENDIX "B"**, provides information on the committed and uncommitted funds from the Resources Trust Fund and the Water Development Trust Fund. The total amount allocated for projects is \$646,072,637 leaving a balance of \$59,821,455 available to commit to projects in the 2013-2015 biennium.

**RESOURCES TRUST FUND
AND WATER DEVELOPMENT
TRUST FUND REVENUES,
2013-2015 BIENNIUM**

Oil extraction tax deposits into the Resources Trust Fund total \$532,056,203 through May, 2015 and are currently \$32,449,253 or 6.5 percent above budgeted revenues.

Deposits into the Water Development Resources Trust Fund (tobacco settlement) total \$18,889,381 through April, 2015, and are currently \$889,381 or 4.9 percent above budgeted revenues.

**APPROVAL OF 2013-2015 BIENNIUM
CONTRACT FUND CARRYOVER TO
2015-2017 BIENNIUM
(SWC Project No. 1753)**

Water projects commonly require several years to implement due to regulatory issues, funding needs, contract bidding, and construction delays. The projects administered under the cost share program have been reviewed to identify the status of those remaining obligated funds to determine which projects are still active, completed, or were not/will not be undertaken.

On June 23, 2009, the State Water Commission passed a motion to inquire into the progress and future intention of projects with unexpended obligations not spent within three years following the Commission's approval. As a result, all of the cost share projects with obligated funds are either still active or will begin construction in the foreseeable future.

All of the programs and projects listed on the 2013-2015 biennium projects/grants/contract fund with obligated funds are to be pursued in the foreseeable future with the exception of the following projects: Rice Lake Recreational Flood Control, Community Water Revolving Loan Fund at the Bank of North Dakota, and the Devils Lake Gravity Outflow Channel project.

It was the recommendation of Secretary Sando that the State Water Commission carry forward all of the 2013-2015 program and general project unexpended obligation amounts, which includes all previous biennium carryovers, and the program/project itself to the 2015-2017 biennium with the exception of the identified projects.

It was moved by Commissioner Goehring and seconded by Commissioner Hanson that the State Water Commission carry forward all of the 2013-2015 program and general project unexpended obligation amounts, which includes all previous biennium carryovers, and the program/project itself to the 2015-2017 biennium except for the identified projects. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

***NORTH DAKOTA WATER MAGAZINE -
APPROVAL OF ALLOCATION (\$36,000)
FROM JULY 1, 2015 TO JUNE 30, 2017
(SWC File AOC/WEF)***

A request from the North Dakota Water Education Foundation was presented for the State Water Commission's consideration to continue its participation in the *North Dakota Water* magazine from July 1, 2015 through June 30, 2017.

The State Water Commission has contributed to this effort since 1994 to support the magazine and its own pages, the "Oxbow" and the "Water Primer" sections. Secretary Sando said that "with the Commission's support, the *North Dakota Water* magazine will provide continued communication among people interested in North Dakota's water resources."

Commissioner Goehring voiced concern relative to inaccurate information recently published in the *North Dakota Water* magazine. The magazine editorial screening/editing process was explained, and in an effort to alleviate misinformation, it was agreed that a representative of the North Dakota Department of Agriculture participate in the screening/editing process featuring agriculture articles.

It was the recommendation of Secretary Sando that the State Water Commission approve funding to the North Dakota Water Education Foundation not to exceed an allocation of \$36,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to assist in the publication of the *North Dakota Water* magazine from July 1, 2015 through June 30, 2017.

It was moved by Commissioner Thompson and seconded by Commissioner Foley that the State Water Commission approve funding to the North Dakota Water Education Foundation not to exceed an allocation of \$36,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to assist in the publication of the North Dakota Water magazine from July 1, 2015 through June 30, 2017. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

***RED RIVER BASIN COMMISSION -
APPROVAL OF ALLOCATION
(\$200,000) FROM JULY 1, 2015
THROUGH JUNE 30, 2017
(SWC File AOC/RRBC)***

The Red River Basin Commission (RRBC) was formed in 2001 to serve as a grassroots effort to address land and water issues in a basinwide context. The RRBC was originally known as the Red River Basin Board, and is a result of the amalgamation of the Board, The International Coalition, and the Red River Water Resource Council. The organization is comprised of a 41-member board of directors representing a broad cross-section of local and state/provincial governments and other interests. The State Engineer, who was initially appointed by Governor Hoeven, is a member of the board.

The states of North Dakota and Minnesota, the Province of Manitoba, and the local governments in the three major jurisdictions have participated in funding the activities of the Red River Basin Board/Commission for several years. Contributions of \$100,000 per year are requested of the primary sponsors to fund the Red River Basin Commission's operating costs.

A request from the Red River Basin Commission was presented for the State Water Commission's consideration to provide an allocation not to exceed \$200,000 from July 1, 2015 through June 30, 2017 to support the efforts relating to the Natural Resource Framework Plan (NRFP) including working across political boundaries, integration, data and technology, education and communication, forecasting, flood damage reduction, drainage, water quality, water supply, and fish, wildlife, outdoor recreation. The work plan summary for the activities that relate to the North Dakota base funding were included in the funding request.

The Red River Basin Commission will continue to address efforts relating to basin-wide activities including water supply, flood damage reduction including mainstem modeling, flow reduction goals and distributed storage, water quality, soil conservation-land use issues, fish, wildlife and aquatic ecosystem health, recreation plus public support and jurisdictional dialogue.

It was the recommendation of Secretary Sando that the State Water Commission approve an allocation not to exceed \$200,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to support the Red River Basin Commission's efforts from July 1, 2015 through June 30, 2017.

It was moved by Commissioner Berg and seconded by Commissioner Foley that the State Water Commission approve an allocation not to exceed \$200,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to support the efforts of the Red River Basin Commission from July 1, 2015 through June 30, 2017. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

***UPPER SHEYENNE RIVER JOINT
WATER RESOURCE BOARD -
APPROVAL OF STATE COST
PARTICIPATION (\$12,000) FROM
JULY 1, 2015 THROUGH JUNE 30, 2017
(SWC Project No. 322)***

The Upper Sheyenne River Joint Water Resource Board includes representation from nine of the basin's counties including Barnes, Benson, Eddy, Griggs, Nelson, Pierce, Sheridan, Steele and Stutsman. The diverse membership provides a broad-based understanding of

the needs of the basin in order to carry out its mandate - "to bring the watershed above Baldhill Dam (Lake Ashtabula) into a partnership in order to review issues and create solutions through local, county, state, and federal cooperation." Since 2005, the board has been directly involved in dam restoration projects, water quality analysis of the river, and irrigation.

A request from the Upper Sheyenne River Joint Water Resource Board was presented for the State Water Commission's consideration for a 50 percent state cost participation in the amount of \$12,000 in the 2015-2017 biennium from July 1, 2015 through June 30, 2017. Funds would be used to fund basic administrative expenses, travel, support the services of the part-time chairman and secretary of the board, continue the board's efforts to encourage the water management along watershed lines, continue efforts to coordinate the restoration and enhancement of existing dams and promote the construction of viable dams, and work to facilitate data collection and improve water quality in the basin.

The State Water Commission has a long history of supporting and encouraging the management of water along watershed lines through groups such as the Red River, Missouri River, and Devils Lake Joint Boards which corresponds to the State Water Commission's goal of - "managing water resources for the future welfare and prosperity of the people of North Dakota." Boards organized along watershed boundaries play an important role in coordinating water management that reflects the needs of multiple counties.

It was the recommendation of Secretary Sando that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$12,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to provide financial support to the Upper Sheyenne River Joint Water Resource Board from July 1, 2015 through June 30, 2017.

It was moved by Commissioner Goehring and seconded by Commissioner Nodland that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$12,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to provide financial support to the Upper Sheyenne River Joint Water Resource Board from July 1, 2015 through June 30, 2017. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

**UPPER MAPLE RIVER DAM
CONSTRUCTION PROJECT
(STEELE COUNTY) -
APPROVAL OF ADDITIONAL STATE
COST PARTICIPATION (\$711,436)
(SWC Project No. 1878-02)**

On December 13, 2013, the State Water Commission adopted an amended motion approving a state cost participation grant not to exceed a total allocation of \$3,991,500 (Sussex Dam breach - \$42,300 (60 percent), flood control - \$2,449,200 (60 percent), and

right-of-way costs - \$1,500,000 (60 percent), from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Maple-Steele Joint Water Resource District to support the Upper Maple River Dam construction project. The environmental assessment and federal permitting efforts for the project were completed, and the Section 404 permit was issued by the U.S. Army Corps of Engineers in November of 2013. The proposed dam is located in the E1/2 of Section 35, Township 144 North, Range 56 West, and will be constructed to a maximum height of 35 feet with an elevation of 1,230 feet msl and a top width of 20 feet with 3:1 side slopes.

The proposed project involves a road raise to maintain access, and breaching of Sussex Dam, which is in need of repair and obstructs migration of fish and other organisms. Removal of the dam would restore river continuity and is a key component of the Section 404 permit for the project. Construction of the dam embankment across the Maple River channel and adjacent floodplain will cause direct impacts to existing wetlands in those areas.

The District has secured a positive assessment vote, completed final design for the project, and has acquired all of the permits and rights of-way required. The project was recently let for bids which came in higher than was submitted in support of the 2013 cost share request. The increased costs are attributed to significant changes that were made in the final design of the emergency spillway in order to meet structural design codes, and to satisfy the permitting requirements. The District is planning to start construction on the project in the spring of 2015, with completion anticipated by the end of 2015.

The project engineer's revised estimated cost for construction of the dam is \$9,075,978, of which \$7,838,227 is determined eligible for state cost participation at 60 percent (\$4,702,936). A request from the Maple-Steele Joint Water Resource District was presented for the State Water Commission's consideration for a 60 percent state cost participation grant of the eligible costs.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a flood control project at 60 percent of the eligible costs, not to exceed an additional allocation of \$711,436 (60 percent state cost participation of the eligible costs (\$4,702,936) less \$3,991,500 approved December 13, 2013) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Maple-Steele Joint Water Resource District to support the construction of the Upper

Maple River Dam. The Commission's affirmative action would increase the total state cost participation grant to \$4,702,936.

It was moved by Commissioner Foley and seconded by Commissioner Hanson that the State Water Commission approve a state cost participation grant as a flood control project at 60 percent of the eligible costs, not to exceed an additional allocation of \$711,436 (60 percent state cost participation of the eligible costs (\$4,702,936) less \$3,991,500 approved December 13, 2013) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Maple-Steele Joint Water Resource District to support the construction of the Upper Maple River Dam. This action is contingent upon the availability of funds, a positive assessment vote, satisfaction of the required permits, and receipt of the final engineering plans.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

This action increases the total state cost participation grant to \$4,702,936 to support the Upper Maple River Dam project.

***PALACE DRAIN IMPROVEMENT
DISTRICT NO. 80 (TRAILL COUNTY) -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$118,933)
(SWC Project No. 1224)***

A request from the Traill County Water Resource District was presented for the State Water Commission's consideration for state cost participation for their Palace Drain Improvement District No. 80 project.

The proposed project is a three-mile extension of the existing legal assessment Nelson Drain No. 28 in Traill county. Because there is inadequate drainage within the watershed, the project will improve the capacity of the existing road ditches and allow water to enter the channel with greater efficiency. The intent of the proposed project is to improve agricultural lands and to increase the hydraulic capacity of the existing road ditch and culvert crossings.

The District will construct the proposed project along the south section line of Sections 25, 26, 27 and 28 in Hillsboro township. The extension will outlet from Section 25 into the existing Nelson Drain No. 28 in Section 31. The proposed channel bottom width is 8 feet and the side slopes will be 4:1 along the road and the field to provide a stable slope along both the field and road corridors. An assessment vote has passed on the project and an application for a drain permit has been submitted.

The project engineer's cost estimate is \$400,000, of which \$250,255 is determined eligible as a rural flood control project at 45 percent of the eligible costs (\$112,615), and \$18,050 is determined eligible for state cost participation at 35 percent for design engineering (\$6,318), for a total state cost participation of \$118,933.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a rural flood control project at 45 percent of the eligible costs (\$112,615), and 35 percent of the eligible costs for design engineering (\$6,318), not to exceed a total allocation of \$118,933 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Traill County Water Resource District to support the Palace Drain Improvement District No. 80 project.

It was moved by Commissioner Goehring and seconded by Commissioner Nodland that the State Water Commission approve a state cost participation grant as a rural flood control project at 45 percent of the eligible costs (\$112,615), and 35 percent of the eligible costs for design engineering (\$6,318), not to exceed a total allocation of \$118,933 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Traill County Water Resource District to support the Palace Drain Improvement District No. 80 project. This action is contingent upon the availability of funds, and satisfaction of the required permits.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

**JACKSON TOWNSHIP IMPROVEMENT
DISTRICT NO. 1 PROJECT (DICKEY-
SARGENT COUNTIES) -
APPROVAL OF ADDITIONAL STATE COST
PARTICIPATION GRANT (\$1,101,325)
(SWC Project No. 1977)**

On September 21, 2011, the State Water Commission considered a request from the Dickey-Sargent Joint Water Resource District for state cost participation for the Jackson Township Improvement District No. 1 and Kraft Slough Outlet Parts I, II, and III projects.

The project engineer's original cost estimate was \$8,250,000, of which \$5,121,944 was determined eligible for state cost participation as a rural flood control project at 45 percent of the eligible costs (\$2,304,875). The State Water Commission's policy limited the 2011-2013 biennium costs to \$500,000 per project. Pursuant to the State Water Commission's cost share policy, conditional approval of a rural flood control project was

allowed subject to satisfaction of the required drain permit, a positive assessment vote, and receipt of the final engineering plans. On September 21, 2011, the State Water Commission approved conditional state cost participation as a rural flood control project at 45 percent of the eligible costs, not to exceed an allocation of \$500,000 from the funds appropriated to the State Water Commission in the 2011-2013 biennium (S.B. 2020) contingent upon satisfaction of the conditions.

On June 13, 2012, the State Water Commission approved a revised project at an estimated cost of \$5,285,000, of which \$3,759,940 was determined eligible for a state cost participation grant as a rural flood control project at 45 percent of the eligible costs (\$1,691,972). The State Water Commission also approved the allocation of \$500,000 (approved on September 21, 2011) be applied to the revised project (currently referred to as the Jackson Township Improvement District No. 1 project).

The Jackson Township Improvement District No. 1 project has been rerouted to discharge into an existing legal drain known as the Oakes Pilot Drain, and includes new lateral alignment locations. The revised project, which is located southeast of the city of Oakes, is intended to improve drainage of agricultural lands, increase the hydraulic capacity of existing road ditches, and provide relief to State Highway 11, the Red River Valley & the Western Railway. Approximately 8 miles of ditch improvements will be completed under this project, which will be designed to minimize channel velocities. New section line culverts will be installed throughout the project. The assessment vote resulted in a positive vote, and the District is proceeding with a geotechnical investigation and final project design.

The project engineer's revised cost estimate is \$5,200,000, of which \$3,558,500 is determined eligible for state cost participation at 45 percent (\$1,601,325). A request from the Dickey-Sargent Joint Water Resource District was presented for the State Water Commission's consideration for a 45 percent state cost participation grant of the eligible cost.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a rural flood control project at 45 percent of the eligible costs, not to exceed an additional allocation of \$1,101,325 (45 percent state cost participation of the eligible costs (\$3,558,500) less \$500,000 approved September 21, 2011) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Dickey-Sargent Joint Water Resource District to support the Jackson Township Improvement District No. 1 project. The Commission's affirmative action would increase the total state cost participation grant to \$1,601,325.

It was moved by Commissioner Berg and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant as a rural flood control project at 45 percent of the eligible costs, not to exceed an additional allocation of \$1,101,325 (45 percent state cost participation of the eligible costs (\$3,558,500) less \$500,000 approved September 21, 2011) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), to the Dickey-Sargent Joint Water Resource District to support the Jackson Township Improvement District No. 1 project. This action is contingent upon the availability of funds, a positive assessment vote, satisfaction of the required drain permit, and receipt of the final engineering plans.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

This action increases the total state cost participation grant to \$1,601,325 to support the Jackson Township Improvement District No. 1 project.

***SHEYENNE RIVER VALLEY
FLOOD PROTECTION PROGRAM -
CITY OF LISBON, ENGINEERING
AND LEGAL SERVICES, PHASE I -
LEVEE E - ADDITIONAL STATE COST
PARTICIPATION GRANT (\$142,200)
(SWC Project No. 1991)***

On June 19, 2013, the State Water Commission adopted a motion approving a state cost participation grant of 90 percent not to exceed an allocation of \$700,650 from the funds appropriated to the State Water Commission in 2011 Senate Bill 2371 for the Sheyenne River Valley Flood Protection

Program to assist the City of Lisbon with their preliminary engineering design costs and legal services associated with development of a permanent flood control project. The city was granted an exception to policy because of devastation by multiple years of flooding.

The city has been actively constructing permanent flood protection with the assistance of state funding. In 2014, construction began on Phase I - Levee A with completion expected in the summer of 2015. Construction of Phase I - Levee C will begin in the spring of 2015 with expected completion in October, 2015.

The project engineer's revised estimated cost for the preliminary engineering and legal services for Phase I - Levee E is \$944,000, of which \$936,500 is determined eligible for state cost participation of 90 percent (\$842,850). A request from the City of Lisbon was presented for the State Water Commission's consideration for state cost participation to complete the engineering and legal services for Phase I - Levee E.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant of 90 percent, not to exceed an additional allocation of \$142,200 (90 percent of the eligible costs (\$842,850) less \$700,650 approved June 19, 2013) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the Sheyenne River Valley Flood Protection Program to the City of Lisbon, Phase I - Levee E to assist in the engineering and legal services. The Commission's affirmative action would increase the total state cost participation grant to \$842,850.

It was moved by Commissioner Berg and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant of 90 percent, not to exceed an additional allocation of \$142,200 (90 percent of the eligible costs (\$842,850) less \$700,650 approved June 19, 2013) from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the Sheyenne River Valley Flood Protection Program to the City of Lisbon, Phase I - Levee E to assist in the engineering and legal services. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

This action increases the total state cost participation grant to \$842,850 for the Sheyenne River Valley Flood Protection Program, City of Lisbon, Phase I - Levee E for engineering and legal services.

**SHEYENNE RIVER VALLEY
FLOOD PROTECTION PROGRAM -
CITY OF VALLEY CITY, PHASE II -
FLOOD CONTROL MASTER PLAN
AND PRELIMINARY DESIGN -
APPROVAL OF ADDITIONAL STATE
COST PARTICIPATION GRANT (\$340,000)
(SWC Project No. 1504-05)**

On June 19, 2013, the State Water Commission adopted a motion approving a state cost participation grant of 85 percent not to exceed an allocation of \$350,625 from the funds appropriated to the State Water Commission in 2011 Senate Bill 2371 for the Sheyenne River Valley Flood Protection Program to assist the City of Valley City

with their preliminary engineering design costs associated with the development of a permanent flood control project. The city was granted an exception to policy because of devastation with multiple years of flooding.

Previous work in Phase I focused on the University District, while Phase II will consider the remainder of the community. The work would include establishing a flood protection alignment, public input meetings, identifying future property acquisitions, and preliminary design to include detailed costs.

The project engineer's estimated cost for Phase II, flood control master plan and preliminary design, is \$400,000, all of which is determined eligible for state cost participation at 85 percent (\$340,000). A request from the City of Valley City was presented for the State Water Commission's consideration for state cost participation for Phase II that would include the flood control master plan and preliminary design.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant of 85 percent, not to exceed an additional allocation of \$340,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the Sheyenne River Valley Flood Protection Program to the City of Valley City, Phase II, for the flood control master plan and preliminary design. The Commission's affirmative action would increase the total state cost participation grant to \$690,625 (Phase I - \$350,625, and Phase II - \$340,000) for the City of Valley City's permanent flood protection project.

It was moved by Commissioner Goehring and seconded by Commissioner Berg that the State Water Commission approve a state cost participation grant of 85 percent, not to exceed an additional allocation of \$340,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the Sheyenne River Valley Flood Protection Program to the City of Valley City, Phase II, for the flood control master plan and the preliminary design. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

This action increases the total state cost participation grant to \$690,625 (Phase I - \$350,625, and Phase II - \$340,000) for the Sheyenne River Valley Flood Protection Program, City of Valley City's permanent flood protection project.

2015 SIXTY-FOURTH LEGISLATIVE ASSEMBLY OF NORTH DAKOTA

The State Water Commission staff provided a legislative summary relative to bills considered in the 2015 Sixty-Fourth Legislative Assembly of North

Dakota having a direct impact on water issues. The summary is detailed in the staff memorandum dated May 12, 2015, and attached as **APPENDIX "C"**.

WESTERN AREA WATER SUPPLY (WAWS) PROJECT - APPROVAL OF OVERALL PLAN, PHASE IV PROJECTS (SWC Project No. 1973)

2011 House Bill 1206 created the Western Area Water Supply (WAWS) project under chapter 61-40 of the North Dakota Century Code.

The 2013 North Dakota Legislature allocated \$229,000,000 in funding from various sources for the WAWS project to build water supply, treatment, transmission, and distribution infrastructure to provide water supplies for western North Dakota. In addition to the Legislature providing this funding, 2013 Senate Bill 2233 requires the Western Area Water Supply Authority to submit its overall project plan for the State Water Commission's approval.

On September 15, 2014, the State Water Commission adopted a motion approving the overall plan that would include Phase III projects and potential alternate projects; and approved an additional allocation not to exceed \$30,000,000 (a loan of \$19,500,000 managed by the Bank of North Dakota, and a grant of \$19,500,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020). This action increased the total approved funding for the WAWS project to \$229,000,000.

The Western Area Water Supply Authority's March 31, 2015 capital accounting report indicates Phases I, II, and III cost estimates at \$236,500,000, contracted amounts to-date at \$221,100,000, and actual to-date expenses at \$191,000,000. The current approved funding for the Western Area Water Supply project is \$229,000,000 (\$189,500 in loans managed by the Bank of North Dakota; and a \$39,500,000 grant from the State Water Commission).

A request from the Western Area Water Supply Authority was presented for the State Water Commission's consideration for overall plan approval of Phase IV projects, which are a priority for the Authority to initiate design and construction in the 2015-2017 biennium: 1) Williams Rural Water District - Blacktail Dam distribution, Part Ia; 2) Williams Rural Water District - Epping distribution, Part Ia; 3) Williams Rural Water District - Epping distribution, Part 2; 4) R & T - Stanley distribution, Part I; 5) McKenzie County Water Resource District, System I, Part Ia; and 6) McKenzie County Water Resource District, System I, Part 2. The total estimated cost for these projects is \$30,000,000.

It was the recommendation of Secretary Sando that the State Water Commission approve the Western Area Water Supply Project overall plan that would include the Phase IV projects as submitted for design and construction in the 2015-2017 biennium.

It was moved by Commissioner Hanson and seconded by Commissioner Nodland that the State Water Commission approve the Western Area Water Supply project overall plan to include the projects submitted for Phase IV design and construction in the 2015-2017 biennium.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

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

Mayor Tim Mahoney, City of Fargo, provided updates on the local, state and federal efforts currently underway on the Fargo Moorhead Area Diversion project.

In April, 2015, Governor Dalrymple signed legislation that included an appropriation of \$69,000,000 for the Fargo Moorhead Area Diversion project for the next fiscal year. 2015 Senate Bill 2020 is the legislation that carries the Governor's budget for the State Water Commission and contains funding for water projects across the state.

The Diversion Project previously received \$175,000,000 from legislative appropriations. This year's funding allocation for \$69,000,000 is consistent with the legislative commitment and schedule made last session to provide a total of \$450,000,000 from the State. In addition, S.B. 2020 includes legislative intent to provide an additional \$206,000,000 in future sessions for area flood protection including the Diversion Project. 2015 S.B. 2020 also provides the City of Fargo with an additional \$120,000,000 for internal flood projects (\$60,000,000 this session and \$60,000,000 in future sessions); and calls on the State to work with the Diversion Authority and North Dakota State University to continue and expand their efforts to study the impact on crop production.

Efforts continue with the Minnesota Department of Natural Resources to complete that state's required Environmental Impact Statement (EIS) on the diversion project, which is anticipated in 2015. On May 13, 2015, U.S. district judge in Minneapolis ordered work on the Oxbow-Hickson-Bakke ring levee project to stop until the Minnesota Department of Natural Resources complet-

es its environmental review of the Fargo Moorhead Area Diversion project. The Oxbow-Hickson-Bakke ring levee is designed to protect the communities from existing flooding and protect against water that would be stored upstream of Fargo-Moorhead by the Diversion Project.

Construction on the Diversion Project could begin in 2016 under a private financing plan. Under the public/private partnership (P3) plan that is being considered, the Diversion Authority would contract with a private company to build the channel portion of the Diversion Project, while the Corps of Engineers constructs the southern embankment. Congress authorized the P3 model for flood control projects in 2014 as part of the Water Resources Reform and Development Act.

NORTHWEST AREA WATER SUPPLY (NAWS) PROJECT - PROJECT UPDATE (SWC Project No. 237-04)

The Northwest Area Water Supply (NAWS) project update was provided, which is detailed in the staff memorandum dated May 11, 2015, and attached as ***APPENDIX "D"***.

NORTHWEST AREA WATER SUPPLY (NAWS) PROJECT - HIGH SERVICE PUMP STATION EMERGENCY REPAIRS (SWC Project No. 237-04)

The Northwest Area Water Supply (NAWS) high service pump station provides service to the NAWS distribution system and to the City of Minot's distribution system. Numerous pump and motor failures have been

experienced in recent months causing the system to operate manually on multiple occasions due to neither variable frequency-driven pump being operable on the NAWS side of the facility. The facility has had essentially no redundancy in pumping capacity due to the frequent failures.

Investigations have determined the facility is subject to extremely high current harmonic distortion on the electrical utility. This issue causes extreme vibration in the motors leading to premature failure of pumps and motors and is problematic for the electrical switchgear.

The Commission staff determined the situation constitutes an emergency, and discussed options for remedy. It was recommended that an alternate transformer could be utilized if the primary metering service was changed and the proper switchgear to isolate the transformer from the utility supply was provided. Excel Energy will not provide the alternate transformer due to safety concerns for their linemen, although the utility would provide temporary switchgear for consistency with their specifications to allow for the installation of the alternate transformer. The total project costs are estimated to be \$184,000, some of which would be credited back from Excel Energy after the new switchgear is installed.

It was the recommendation of Secretary Sando that the State Water Commission concur with the determination that the situation at the NAWS high service pump station constitutes an emergency, and authorize the Secretary to the State Water Commission to implement corrective measures expeditiously.

It was moved by Commissioner Vosper and seconded by Commissioner Goehring that the State Water Commission concurs with the staff determination that the situation at the Northwest Area Water Supply project high service pump station constitutes an emergency, and that the Secretary to the State Water Commission is hereby authorized to implement corrective measures expeditiously.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

***SOUTHWEST PIPELINE PROJECT -
PROJECT REPORT
(SWC Project No. 1736-99)***

The Southwest Pipeline Project report was presented, which is detailed in the staff memorandum dated May 11, 2015, and attached as ***APPENDIX "E"***.

***CITY OF WILLISTON -
APPROVAL OF CONDITIONAL
WATER PERMIT NO. 6294
(8,000.0 ACRE-FEET GRANTED;
12,000.0 ACRE-FEET HELD IN
ABEYANCE)
(Water Permit No. 6294)***

The City of Williston applied to the Office of the State Engineer, through conditional water permit application No. 6294, to divert 20,000.0 acre-feet of water annually from point(s) of diversion located in the SW1/4 of Section 31, Township 154 North, Range 101 West, at a maximum withdraw rate of 12,399

gallons of water per minute from the Missouri River for industrial use. The priority date of this application is July 29, 2011.

North Dakota Century Code 61-04-06 states, in part, "If an application is approved, the state engineer shall issue a conditional water permit allowing the applicant to appropriate water. Provided, however, the commission may, by resolution, reserve unto itself final approval authority over any specific water permit in excess of five thousand acre-feet."

The proposed industrial use under conditional water permit application No. 6294 is to provide water for industrial uses in the service area of the Western Area Water Supply (WAWS) project, including water for

the drilling and hydraulic fracturing of oil/gas wells. Water use in 2014 from the city of Williston/WAWS indicates that 5,854.0 acre-feet was used for industrial purposes. Three years is the standard time period for the complete development of a water project and the project is estimated to grow at approximately 10 percent per year. The expected annual water use is anticipated to be approximately 8,000.0 acre-feet, the remaining 12,000.0 acre-feet of water will be held in abeyance until the three-year development period is completed.

It was the recommendation of Secretary Sando that the State Water Commission approve conditional water permit application No. 6294 for the appropriation of 8,000.0 acre-feet of water annually from point(s) of diversion located in the SW1/4 of Section 31, Township 154 North, Range 101 West, at a maximum withdrawal rate of 12,399 gallons per minute for industrial use from the Missouri River. The remaining 12,000.0 acre-feet of water initially applied for shall be held in abeyance until the three-year development period is completed. The conditional water permit can then be perfected for the amount developed or the applicant can request an extension to complete the development.

It was moved by Commissioner Hanson and seconded by Commissioner Foley that the State Water Commission approve conditional water permit application No. 6294 for the appropriation of 8,000.0 acre-feet of water annually from point(s) of diversion located in the SW1/4 of Section 31, Township 154 North, Range 101 West, at a maximum withdrawal rate of 12,399 gallons per minute for industrial use from the Missouri River. The remaining 12,000.0 acre-feet of water initially applied for shall be held in abeyance.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

**MOUSE RIVER ENHANCED
FLOOD PROTECTION PROJECT -
STATUS REPORT
(SWC Project No. 1974-01)**

The Mouse River Enhanced Flood Protection project status report was provided, which is detailed in the staff memorandum dated May 6, 2015, and attached as **APPENDIX "F"**.

**DEVILS LAKE HYDROLOGIC
AND PROJECT UPDATES
(SWC Project No. 416-10)**

The Devils Lake hydrologic report, and project updates were provided, which are detailed in the staff memorandum, dated May 6, 2015, and included as **APPENDIX "G"**.

**DEVILS LAKE BASIN JOINT WATER
RESOURCE BOARD MANAGER -
APPROVAL OF STATE COST
PARTICIPATION JULY 1, 2015
THROUGH JUNE 30, 2017 (\$60,000)
(SWC Project No. 416-01)**

Since 1998, the State Water Commission has promoted watershed management along the watershed lines in the Devils Lake Basin. The Devils Lake Basin Joint Water Resource Board has shown a commitment to this concept demonstrated through their support of

the Devils Lake west and east outlets, management of the Extended Storage Acreage program (ESAP), long-term water quality sampling and analysis in the basin coulees, and their update of the Devils Lake Basin Water Management Plan.

The State Water Commission has supported watershed management along the watershed lines through the cost share of a managerial position for the Board, which is an essential position in ensuring that the goals and objectives of the Board are carried out in a timely and professional manner. A request from the Devils Lake Basin Joint Water Resource Board was presented for the State Water Commission's consideration for a 50 percent state cost participation in the amount of \$60,000 for the 2015-2017 biennium. The remaining funds would be provided from the Devils Lake Basin Joint Water Resource District.

It was the recommendation of Secretary Sando that the State Water Commission approve a 50 percent state cost participation not to exceed an allocation of \$60,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Devils Lake Basin Joint Water Resource Board to support the services of the Devils Lake Basin Joint Water Resource board manager from July 1, 2015 through June 30, 2017.

It was moved by Commissioner Vosper and seconded by Commissioner Goehring that the State Water Commission approve a 50 percent state cost participation not to exceed an allocation of \$60,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Devils Lake Basin Joint Water Resource Board to support the services of the Devils Lake Basin Joint Water Resource board manager from July 1, 2015 through June 30, 2017. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Nodland, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

**MISSOURI RIVER REPORT
(SWC Project No. 1392)**

The Missouri River report was provided, which is detailed in the staff memorandum dated May 11, 2015, and included as **APPENDIX "H"**.

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**MISSOURI RIVER JOINT WATER BOARD -
APPROVAL OF STATE COST PARTICI-
PATION (\$20,000) FROM JULY 1, 2015
THROUGH JUNE 30, 2017
(SWC FILE PS/WRD/MRJ)**

On July 28, 2005, the counties of Burleigh, Dunn, Emmons, Mercer, Morton, Mountrail, Oliver, and Sioux entered into a joint powers agreement, which created the Missouri River Joint Water Board. The purpose of the board

is to provide a cooperative and coordinated approach to water and related land management in the Missouri River basin portion of North Dakota. In consideration of how valuable a resource the Missouri River is to North Dakota, an organization of this type is extremely important in keeping North Dakota's interest in the Missouri River in the forefront.

On August 30, 2005, the State Water Commission approved an allocation not to exceed \$20,000 to the Missouri River Joint Water Board to retain a water resource consultant and secretary-treasurer, develop an action plan and bylaws, and assist with operating costs to get the board properly functioning. In previous bienniums, the Commission has continued its support with a biennial allocation of \$20,000, which is used to accommodate costs associated with maintaining the activities of the board.

The Board continues to collect and disseminate critical updates on matters affecting the Missouri River including the Missouri River Recovery Implementation Committee (MRRIC), the Corps of Engineers surplus water study, and the Geomorphic Assessment following the 2011 flood. The Board has also been involved with formation of the Missouri River stakeholders.

A request from the Missouri River Joint Water Board was presented for the State Water Commission's consideration for the continued cost share involvement with a 50 percent state cost participation in the amount of \$20,000 in the 2015-2017 biennium.

It was the recommendation of Secretary Sando that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$20,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020) from July 1, 2015 through June 30, 2017 to the Missouri River Joint Water Board.

It was moved by Commissioner Foley and seconded by Commissioner Hanson that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$20,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020) from July 1, 2015 though June 30, 2017 to the Missouri River Joint Water Board. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Olin, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

MISSOURI RIVER JOINT WATER BOARD - APPROVAL OF STATE COST PARTICIPATION (\$45,000) FOR NORTH DAKOTA REPRESENTATION ON MISSOURI RIVER RECOVERY IMPLEMENTATION COMMITTEE (MRRIC) FROM JULY 1, 2015 THROUGH JUNE 30, 2017 (SWC File PS/WRD/MRJ)

Section 5018 of the Water Resources Development Act of 2007 authorizes the Secretary of the Army to establish a Missouri River Recovery Implementation Committee (MRRIC). The committee serves as a collaborative forum to develop a shared vision and comprehensive plan for the restoration of the Missouri River ecosystem. The committee's

membership is comprised of representatives of federal agencies, tribes, states, and stakeholders from throughout the Missouri River basin. Recommendations will be provided to federal, tribal, state, local and private entities in the basin on efforts to recover threatened and endangered species and to restore their habitats while sustaining the river's many uses.

The Corps of Engineers appointed Terry Fleck to represent the upper basin stakeholders interests relative to recreation on the MRRIC. The current agreement, executed in March, 2009, allows for a cost contribution from the State Water Commission and the Garrison Diversion Conservancy District to provide financial support to Mr. Fleck as he represents the upper basin stakeholder interests relative to recreation on the MRRIC.

A request from the Missouri River Joint Water Board was presented for the State Water Commission's consideration for continued cost share involvement to the Missouri River Joint Water Board for coordination and support for funding to Mr. Fleck as he represents the interests of North Dakota on the Missouri River Recovery Implementation Committee. The request seeks funding for the 2015-2017 biennium as follows: State Water Commission - 50 percent, \$45,000; Garrison Diversion Conservancy District - 37.5 percent, \$33,750; and Missouri River Joint Water Board - 12.5 percent, \$10,000.

It was the recommendation of Secretary Sando that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$45,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020) from July 1, 2015 through June 30, 2017 to the Missouri River Joint Water Board to assist with expenses associated with Terry Fleck's representation of the State of North Dakota on the Missouri River Recovery Implementation Committee.

It was moved by Commissioner Berg and seconded by Commissioner Nodland that the State Water Commission approve state cost participation of 50 percent of the eligible costs, not to exceed an allocation of \$45,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020) from July 1, 2015 through June 30, 2017 to the Missouri River Joint Water Board to assist with expenses associated with Terry Fleck's representation of the State of North Dakota on the Missouri River Recovery Implementation Committee. This action is contingent upon the availability of funds.

Commissioners Berg, Foley, Goehring, Hanson, Olin, Swenson, Thompson, Vosper, and Governor Dalrymple voted aye. There were no nay votes. Governor Dalrymple announced the motion unanimously carried.

***GARRISON DIVERSION
CONSERVANCY DISTRICT
(SWC Project No. 237)***

Duane DeKrey, Garrison Diversion Conservancy District general manager, provided a status report on the District's efforts relating to the intake study for the

Red River Valley Water Supply project and the Central North Dakota Water Supply alternative study.

***RESOLUTION OF APPRECIATION -
BRUCE ENGELHARDT, STATE WATER
COMMISSION'S DIRECTOR OF WATER
DEVELOPMENT DIVISION, RETIREMENT
(SWC RESOLUTION NO. 2015-05-529)***

Bruce Engelhardt, State Water Commission's Director of the Water Development Division, announced his retirement effective June 4, 2015, after admirably serving the people of North Dakota for more than 29 years. The State Water

Commission recognized Mr. Engelhardt for his tireless devotion to the decades-long flooding crisis in the Devils Lake region that resulted in the completion and ongoing operation of the west and east Devils Lake outlets; his knowledge involving the Missouri River system and its operation; and his advice and unwavering resolve during the statewide flood-fighting efforts.

Governor Dalrymple expressed his gratitude and appreciation to Mr. Engelhardt stating that his "outstanding vision, guidance, and technical expertise to improve water management and facilitate water development across the state was notably demonstrated during his career in the water industry. Through his valuable and steadfast efforts in water resource development in the state, he has earned multiple awards and the respect and admiration of his peers. Mr. Engelhardt's distinguished and exemplary service will enhance the lives of people of the great State of North Dakota for generations to come."

It was moved by Commissioner Goehring, seconded by Commissioner Swenson, and unanimously carried, that the State Water Commission approve Resolution of Appreciation No. 2015-05-529 to Bruce Engelhardt. SEE APPENDIX "I"

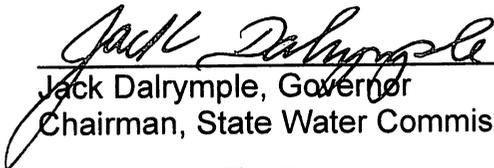
**NEXT STATE WATER
COMMISSION MEETING**

Commission's lower level conference room.

The next meeting of the State Water Commission is scheduled for July 29, 2015 convening at 9:00 a.m. in the

There being no further business to come before the State Water Commission, Governor Dalrymple adjourned the May 20, 2015 meeting at 4:45 p.m.





Jack Dalrymple, Governor
Chairman, State Water Commission



Todd Sando, P.E.
North Dakota State Engineer,
and Chief Engineer-Secretary
to the State Water Commission

STATE WATER COMMISSION
ALLOCATED PROGRAM EXPENDITURES
FOR THE PERIOD ENDED MARCH 31, 2015
BIENNIUM COMPLETE: 88%

PROGRAM	SALARIES/ BENEFITS	OPERATING EXPENSES	GRANTS & CONTRACTS	11-May-15 PROGRAM TOTALS
ADMINISTRATION				
Allocated	2,492,011	2,323,966		4,815,977
Expended	2,163,940	1,691,373		3,855,313
Percent	87%	73%		80%
			Funding Source:	
			General Fund:	0
			Federal Fund:	50,148
			Special Fund:	3,805,165
PLANNING AND EDUCATION				
Allocated	1,334,304	301,110	107,000	1,742,414
Expended	1,104,621	140,256	21,322	1,266,199
Percent	83%	47%	20%	73%
			Funding Source:	
			General Fund:	0
			Federal Fund:	139,711
			Special Fund:	1,126,487
WATER APPROPRIATION				
Allocated	5,151,915	560,947	1,230,267	6,943,129
Expended	4,138,015	554,423	829,573	5,522,010
Percent	80%	99%	67%	80%
			Funding Source:	
			General Fund:	0
			Federal Fund:	15,630
			Special Fund:	5,506,380
WATER DEVELOPMENT				
Allocated	6,258,796	14,555,905	3,313,200	24,127,901
Expended	5,126,815	7,478,562	232,195	12,837,572
Percent	82%	51%	7%	53%
			Funding Source:	
			General Fund:	0
			Federal Fund:	1,307,366
			Special Fund:	11,530,206
STATEWIDE WATER PROJECTS				
Allocated			629,600,000	629,600,000
Expended			179,658,368	179,658,368
Percent			29%	29%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	179,658,368
ATMOSPHERIC RESOURCE				
Allocated	993,898	712,307	4,694,692	6,400,897
Expended	841,609	356,677	1,529,383	2,727,669
Percent	85%	50%	33%	43%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	2,727,669
SOUTHWEST PIPELINE				
Allocated	468,291	12,927,500	101,616,741	115,012,532
Expended	514,853	6,960,805	40,761,537	48,237,195
Percent	110%	54%	40%	42%
			Funding Source:	
			General Fund:	0
			Federal Fund:	738,512
			Special Fund:	47,498,683
NORTHWEST AREA WATER SUPPLY				
Allocated	650,021	16,498,500	53,800,540	70,949,061
Expended	465,871	1,674,894	772,818	2,913,583
Percent	72%	10%	1%	4%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	2,913,583
PROGRAM TOTALS				
Allocated	17,349,236	47,880,235	794,362,440	859,591,911
Expended	14,355,723	18,856,990	223,805,196	257,017,908
Percent	83%	39%	28%	30%
FUNDING SOURCE:	ALLOCATION	EXPENDITURES	REVENUE	
GENERAL FUND	0	0	GENERAL FUND:	631,158
FEDERAL FUND	37,310,283	2,251,367	FEDERAL FUND:	2,426,960
SPECIAL FUND	822,281,628	254,766,542	SPECIAL FUND:	253,161,982
TOTAL	859,591,911	257,017,908	TOTAL:	256,220,099

MAY 20, 2015

**STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2013-2015 BIENNIUM**

	BUDGET	SWC/SE APPROVED	OBLIGATIONS EXPENDITURES	REMAINING UNOBLIGATED	REMAINING UNPAID
<i>Mar-15</i>					
FLOOD CONTROL					
FARGO	136,740,340	136,740,340	25,563,977	0	111,176,363
GRAFTON	8,925,000	8,925,000	0	0	8,925,000
MOUSE RIVER FLOOD CONTROL	36,618,860	8,991,186	675,941	27,627,674	8,315,245
BURLEIGH COUNTY	1,469,900	1,469,900	875,037	0	594,863
VALLEY CITY	14,525,526	14,525,526	350,579	0	14,174,947
LISBON	7,378,150	7,378,150	2,115,985	0	5,262,165
FORT RANSOM	225,000	225,000	0	0	225,000
RICE LAKE RECREATION DISTRICT	2,842,200	2,842,200	0	0	2,842,200
RENWICK DAM	1,281,376	1,281,376	1,170,232	0	111,144
SHEYENNE RIVER FLOOD CONTROL	1,179,054			1,179,054	
FLOODWAY PROPERTY ACQUISITIONS					
MINOT	33,684,329	33,684,329	8,248,305	0	25,436,024
WARD COUNTY	9,698,169	9,698,169	3,651,579	0	6,046,590
VALLEY CITY	1,822,598	1,822,598	1,368,767	0	453,831
BURLEIGH COUNTY	442,304	442,304	209,655	0	232,649
SAWYER	184,260	184,260	0	0	184,260
LISBON	999,000	999,000	887,682	0	111,318
STATE WATER SUPPLY					
REGIONAL & LOCAL WATER SYSTEMS	106,430,837	106,430,836	39,117,456	0	67,313,381
FARGO WATER TREATMENT PLANT	27,864,069	27,864,069	3,178,170	0	24,685,899
SOUTHWEST PIPELINE PROJECT	106,157,878	106,157,878	47,498,683	0	58,659,195
NORTHWEST AREA WATER SUPPLY	21,241,433	7,241,433	1,237,230	14,000,000	6,004,203
COMMUNITY WATER LOAN FUND - BND	15,000,000	15,000,000	5,000,000	0	10,000,000
WESTERN AREA WATER SUPPLY AUTHORITY	79,000,000	79,000,000	38,781,973	0	40,218,027
RED RIVER VALLEY WATER SUPPLY	11,000,000	3,641,000	2,114,438	7,359,000	1,526,562
CENTRAL NORTH DAKOTA WATER SUPPLY	70,800	70,800	0	0	70,800
IRRIGATION DEVELOPMENT	5,493,548	949,869	472,261	4,543,679	477,608
GENERAL WATER MANAGEMENT					
OBLIGATED	35,757,094	35,757,094	11,575,407	0	24,181,687
UNOBLIGATED	5,112,047			5,112,047	0
DEVILS LAKE					
BASIN DEVELOPMENT	68,085	68,085	7,107	0	60,978
OUTLET	872,403	872,403	1,601	0	870,802
OUTLET OPERATIONS	15,140,805	15,140,805	6,615,978	0	8,524,827
DL TOLNA COULEE DIVIDE	102,975	102,975	0	0	102,975
DL EAST END OUTLET	2,774,011	2,774,011	0	0	2,774,011
DL GRAVITY OUTFLOW CHANNEL	13,686,839	13,686,839	0	0	13,686,839
DL STANDPIPE REPAIR	1,300,000	1,300,000	342,595	0	957,405
WEATHER MODIFICATIONS	805,202	805,202	478,211	0	326,991
TOTALS	705,894,092	646,072,637	201,538,847	59,821,455	444,533,790

**STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2013-2016 Biennium**

PROGRAM OBLIGATION

Approved SWC					Initial	Total	Total	Mar-15
By	No	Dept	Sponsor	Project	Approved Date	Approved	Payments	Balance
Flood Control:								
SB 2020	1928-01	5000	City of Fargo	Fargo Flood Control Project	6/23/2009	136,740,340	25,563,977	111,176,363
	1771	5000	City of Grafton	Grafton Flood Control Project	3/11/2010	7,175,000	0	7,175,000
	1771	5000	City of Grafton	Grafton Flood Risk Reduction Project	12/5/2014	1,750,000	0	1,750,000
SB 2371	1974-06	5000	Souris River Joint WRD	Mouse River Enhanced Flood - pd to SRJWRB	11/24/2014	216,257	131,716	84,541
SB 2371	1974-08	5000	Souris River Joint WRD	Mouse River Reconnaissance Study to Meet Fed Guide	2/15/2013	10,603	9,793	809
	1974-09	5000	Souris River Joint WRD	4th Ave NE & Napa Valley/Forest Rd Flood Improveme	10/7/2013	6,830,400	265,932	6,564,468
	1974-10	5000	Souris River Joint WRD-no agreement	International Joint Commission Study Boarc	5/29/2014	302,500	0	302,500
	1974-11	5000	Souris River Joint WRD	Funding of 214 agreement between SRJB & USACE	12/5/2014	375,000	268,500	106,500
	1993-01	5000	City of Minot	Downtown Infrastructure Improvements	9/15/2014	1,256,426	0	1,256,426
SB 2371	1992-01	5000	Burleigh Co WRD	Burleigh County's Tavis Road Storm Water Pump Stati	6/13/2012	1,469,900	875,037	594,863
SB 2371	1344-01	5000	Valley City	Sheyenne River Valley Flood Control Projec	12/5/2014	507,875	350,579	157,296
	1504-01	5000	Valley City	Permanent Flood Protection Project	12/5/2014	10,157,037	0	10,157,037
	1504-02	5000	Valley City	Permanent Flood Protection Project (LOAN)	12/5/2014	3,860,614	0	3,860,614
SB 2371	1344-02	5000	City of Lisbon	Sheyenne River Valley Flood Control Projec	6/19/2013	700,650	281,230	419,420
	1991-01	5000	City of Lisbon	Permanent Flood Protection Project	5/29/2014	1,918,698	1,128,453	790,245
	1991-02	5000	City of Lisbon	Permanent Flood Protection Project (LOAN)	5/29/2014	706,302	706,302	0
	1991-03	5000	City of Lisbon	Permanent Flood Protection - Levee C Project	3/11/2015	3,166,000	0	3,166,000
	1991-04	5000	City of Lisbon	Permanent Flood Protection - Levee C (LOAN)	3/11/2015	886,500	0	886,500
SB 2371	1344-03	5000	Fort Ranson	Sheyenne River Valley Flood Control Projec	6/19/2013	225,000	0	225,000
	1997	5000	Rice Lake Recreation District	Rice Lake Flood Control Project	6/13/2012	2,842,200	0	2,842,200
	849	5000	Pembina Co WRD	Renwick Dam Rehabilitator	6/26/2014	1,281,376	1,170,232	111,144
Subtotal Flood Control						182,378,678	30,751,751	151,626,927
Floodway Property Acquisitions:								
SB 2371	1993-05	5000	City of Minot	Minot Phase 1 - Floodway Acquisitions	1/27/2012	9,276,071	8,248,305	1,027,766
	1993-05	5000	City of Minot	Minot Phase 2 - Floodway Acquisitions	10/7/2013	24,408,258	0	24,408,258
SB 2371	1523-05	5000	Ward County	Ward County Phase 1, 2 & 3 - Floodway Acquisitions	1/27/2012	9,525,684	3,479,074	6,046,590
SB 2371	1523-02	5000	Ward County	Chaparelle Highwater Berm Projec	2/27/2013	172,505	172,505	0
SB 2371	1504-05	5000	Valley City	Valley City Phase 1 - Floodway Acquisitions	7/23/2013	1,822,598	1,368,767	453,831
SB 2371	1992-05	5000	Burleigh Co WRD	Burleigh Co. Phase 1 - Floodway Acquisitions	3/7/2012	442,304	209,655	232,649
SB 2371	2000-05	5000	City of Sawyer	Sawyer Phase 1 - Floodway Acquisitions	6/13/2012	184,260	0	184,260
	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition	3/11/2015	999,000	887,682	111,318
Subtotal Floodway Property Acquisitions						46,830,660	14,365,988	32,464,672
Water Supply Advances:								
SWC	2373-24	5000	Garrison Diversion	Trails Regional Rural Water (Phase III)	8/18/2009	1,368,000	1,205,019	162,981
State Water Supply Grants:								
	2373-32	5000	North Central Rural Water Consortium	NCRW (Berthold-Carpio)	6/21/2011	2,807,902	2,807,902	0
	2373-33	5000	Stutsman Rural RWD	Stutsman Rural Water System - Phase II	3/17/2014	3,795,692	3,795,692	0
	2373-35	5000	Grand Forks - Traill RWD	Grand Forks - Traill County WRD	6/13/2012	2,725,415	2,175,519	549,895
	2373-36	5000	Stutsman Rural RWD	Stutsman Rural Water System - Phase IIB, III	2/27/2013	12,155,000	7,941,405	4,213,595
	2373-37	5000	North Central Rural Water Consortium	NCRW (Plaza)	2/27/2013	299,300	271,744	27,556
	1782-01	5000	McLean-Sheridan RWD	Blue & Brush Lakes Expansion Project	5/29/2014	0	0	0
	2373-38	5000	Stutsman Rural RWD	Kidder Co & Carrington Area Expansion	7/23/2013	1,207,000	98,540	1,108,460
	2373-39	5000	North Central Rural Water Consortium	Carpio Berthold Phase 2	5/29/2014	3,050,000	76,089	2,973,911
	2373-40	5000	South Central Regional Water System	Kidder County Expansion	5/29/2014	0	0	0
	2373-41	5000	North Central Rural Water Consortium	Granville-Deering Area	3/11/2015	5,751,750	113,714	5,638,036
	2050-01	5000	Missouri West Water System	South Mandan	3/17/2014	776,000	711,906	64,094
	2050-02	5000	Grand Forks Traill RWD	Improvements	3/11/2015	3,752,000	300,461	3,451,539
	2050-03	5000	Northeast Regional WD	Langdon RWD - ABM Pipeline Phase 1	10/7/2013	1,040,000	676,673	363,327
	2050-04	5000	Northeast Regional WD	Langdon RWD - North Valley Nekoma	3/11/2015	998,400	98,393	900,007
	2050-05	5000	Northeast Regional WD	North Valley WD - ABM Pipeline Phase 1	3/11/2015	663,800	436,109	227,691
	2050-06	5000	Northeast Regional WD	North Valley WD - 93 Street	3/11/2015	1,369,600	337,513	1,032,087
	2050-07	5000	Northeast Regional WD	North Valley WD - Rural Expansion	5/29/2014	1,800,000	264,783	1,535,217
	2050-08	5000	Walsh RWD	Ground Storage	10/7/2013	684,000	563,947	120,053
	2050-09	5000	City of Park River	Water Tower	3/11/2015	1,563,000	884,808	668,192
	2050-10	5000	City of Surrey	Water Supply Improvements	10/7/2013	1,500,000	736,488	763,512
	2050-11	5000	Cass RWD	Phase 2 Plant Improvements	10/7/2013	2,600,000	50,437	2,549,563
	2050-12	5000	Central Plains WD	Improvements	10/7/2013	1,450,000	5,438	1,444,563
	2050-13	5000	City of Mandan	New Raw Water Intake	10/7/2013	1,270,000	72,270	1,197,730
	2050-14	5000	City of Mandan	Water Treatment Plant Improvements	10/7/2013	726,000	335,493	390,507
	2050-15	5000	City of Washburn	New Raw Water Intake	10/7/2013	1,795,000	0	1,795,000
	2050-16	5000	Tri-County RWD	Improvements	10/7/2013	650,000	0	650,000
	2050-17	5000	Barnes Rural RWD	Improvements	3/11/2015	7,846,335	1,034,668	6,811,667
	2050-18	5000	City of Grafton	Water Treatment Plant Phase 3	10/7/2013	2,600,000	0	2,600,000
	2050-19	5000	City of Grand Forks	Water Treatment Plant Improvements	10/7/2013	4,990,000	421,323	4,568,677
	2050-20	5000	City of Dickinson	Capital Infrastructure	2/27/2014	16,714,143	4,883,334	11,830,809
	2050-21	5000	Watford City	Capital Infrastructure	2/27/2014	6,700,000	4,825,516	1,874,484
	2050-22	5000	City of Williston	Capital Infrastructure	2/27/2014	7,000,000	3,174,220	3,825,780
	2050-23	5000	Greater Ramsey RWD	SW Nelson County Expansion	3/17/2014	4,500,000	818,051	3,681,949
	2050-24	5000	All Seasons Water District	System 1 Well Field Expansion	9/15/2014	292,500	0	292,500
Subtotal State Water Supply						106,430,836	39,117,456	67,313,381
	1984-02	5000	City of Fargo	Fargo Water Treatment Plant	3/17/2014	27,864,069	3,178,170	24,685,899
	1736-05	8000	SWPP	Southwest Pipeline Project	7/1/2013	106,157,878	47,498,683	58,659,195
	2374	9000	NAWS	Northwest Area Water Supply	7/1/2013	7,241,433	1,237,230	6,004,203
	2044-01	5000	Bank of North Dakota	Community Water Facility Fund	10/7/2013	15,000,000	5,000,000	10,000,000
	1973-02	5000	WAWSA	WAWSA - (GRANT)	10/7/2013	39,500,000	18,798,645	20,701,355
	1973-03	5000	Bank of North Dakota	WAWSA - (LOAN)	10/7/2013	39,500,000	19,983,327	19,516,673
	325-101	5000	RRVWSP	Red River Valley Water Supply - CH2MHill	2/27/2014	721,000	375,000	346,000
	325-102	5000	RRVWSP	Red River Valley Water Supply - Intake Design Study	5/29/2014	2,500,000	1,739,438	760,562
	325-103	5000	RRVWSP	Garrison Diversion - Easements	5/29/2014	420,000	0	420,000
	2051	5000	Central ND Water Supply	Black and Veatch investigation	1/27/2015	70,800	0	70,800
Subtotal State Water Supply						238,975,180	97,810,493	141,164,686

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PROGRAM OBLIGATION

Approved SWC By	No	Dept	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Mar-15 Balance
Irrigation Development:								
SWC	222	5000	Buford Trenton Irrigation	Buford Trenton irrigation Transmission Line Reroute	7/23/2013	350,000	350,000	0
SWC	1389	5000	Bank of ND	BND AgPace Program	10/23/2001	25,966	25,966	0
SWC	1389	5000	Bank of ND	BND AgPace Program	12/13/2013	200,000	21,295	178,705
SWC	AOC/IRA	5000	ND Irrigation Assoc	ND Irrigation Association	7/1/2013	100,000	75,000	25,000
SWC	1968	5000	Garrison Diversion	2009-11 McClusky Canal Mile Marker 7.5 Irrigation Pr	6/1/2010	17,582	0	17,582
SWC	1968	5000	Garrison Diversion	McClusky Canal Mile Marker 10 & 49 Irrigation Projec	3/17/2014	256,321	0	256,321
Subtotal Irrigation Development						949,869	472,261	477,608
General Water Management								
Hydrologic Investigations:						1,125,267		
SWC	1400/13	3000	Houston Engineering	Houston Engineering Water Permit Application Review	11/7/2011	1,975	1,975	0
SWC	1400/14	3000	Houston Engineering	Houston Engineering Water Permit Application Review	11/29/2012	10,910	3,991	6,919
SWC	1400	3000	Gordon Sturgeon	Consultant Services	3/23/2013	39,200	39,200	0
SWC	1400	3000	Gordon Sturgeon	Consultant Services	4/16/2014	24,800	24,800	0
SE	XXX	3000	Manikowski Well Drilling	Manikowski Well Drilling Inc	3/20/2014	12,850	12,850	0
	862/859	3000	Arletta Herman	Arletta Herman- Well Monitor	3/15/2015	2,668	2,668	0
	862	3000	Lori Bjorgen	Lori Bjorgen - Well Monitor	3/13/2014	224	224	0
	967	3000	Holly Messmer - McDaniel	Holly Messmer - McDaniel - Well Monitor	4/19/2012	0	0	0
	1690	3000	Holly Messmer - McDaniel	Holly Messmer - McDaniel - Well Monitor	4/19/2012	936	936	0
	1703	3000	Thor Brown	Thor Brown- Well Monitor	3/12/2015	4,623	4,622	0
	1707	3000	Thor Brown	Thor Brown- Well Monitor	3/12/2015	3,430	3,429	0
	1761	3000	Gloria Roth	Gloria Roth - Well Monitor	4/19/2013	1,152	1,152	0
	1761	3000	Fran Dobits	Fran Dobits - Well Monitor	6/1/2011	1,965	1,965	0
	2041	3000	U. S. Geological Survey	Conversion of 17 groundwater recorder wells to real-ti	7/16/2013	34,000	34,000	0
SWC	1395	3000	U. S. Geological Survey	Investigations of Water Resources in North Dakota	9/25/2013	491,275	491,275	0
SWC	1395	3000	U. S. Geological Survey	Investigations of Water Resources in North Dakota	12/5/2015	505,895	126,474	379,421
	1395D	3000	U. S. Geological Survey	Eaton Irrigation Project on the Souris River	7/13/2012	15,300	0	15,300
Hydrologic Investigations Obligations Subtotal						1,151,202	749,562	401,641
Remaining Hydrologic Investigations Authority						(25,935)		
Hydrologic Investigations Authority Less Payments								
General Projects Obligated						29,762,607	5,956,625	23,805,981
General Projects Completed						4,869,220	4,869,220	0
Subtotal General Water Management						35,757,094	11,575,407	24,181,687
Devils Lake Basin Development:								
SWC	416-01	5000	DLJWRB	DL Joint WRB Manager	7/1/2013	60,000	0	60,000
SWC	416-05	2000	Joe Belford	DL Downstream Acceptance	7/1/2013	8,085	7,107	978
SWC	416-07	5000	Multiple	Devils Lake Outlet	7/1/2013	872,403	1,601	870,802
SWC	416-10	4700	Operations	Devils Lake Outlet Operations	7/1/2013	15,140,805	6,615,978	8,524,827
SWC	416-13	5000	Multiple	DL Tolna Coulee Divide	7/1/2013	102,975	0	102,975
SWC	416-15	5000	Multiple	DL East End Outlet	7/1/2013	2,774,011	0	2,774,011
SWC	416-17	5000	Multiple	DL Emergency Gravity Outflow Channe	9/21/2013	13,686,839	0	13,686,839
SWC	416-19	5000	Multiple	DL Standpipe Repairs	12/13/2013	1,300,000	342,595	957,405
Devils Lake Subtotal						33,945,118	6,967,280	26,977,838
SWC		7600		Weather Modification	7/1/2013	805,202	478,211	326,991
TOTAL						646,072,637	201,538,847	444,533,790

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GENERAL PROJECT OBLIGATIONS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Mar-15 Balance
HB 1009	1986	5000	2013-15	USDA-APHIS,ND Dept Agricu	USDA Wildlife	8/20/2013	250,000	150,114	99,886
HB 2305	1963	5000	2009-11	Emmons County WRD	Beaver Bay Embankment Feasibility Study	8/10/2009	53,644	35,566	18,078
SB 2020	1131	5000	2009-11	Nelson Co. WRD	Flood Related Water Projects	6/1/2011	55,455	0	55,455
SE	1967	5000	2009-11	Grand Forks Co. WRD	Grand Forks County Legal Drain No. 55 2010 Contruc	11/30/2010	9,652	0	9,652
SE	1301	5000	2009-11	City of Lidgerwood	City of Lidgerwood Engineering & Feasibility Study for	2/4/2011	15,850	0	15,850
SE	1607	5000	2011-13	Ward Co. WRD	Flood Inundation Mapping of Areas Along Souris & De	6/15/2011	13,011	0	13,011
SE	1301	5000	2011-13	City of Wahpeton	City of Wahpeton Water Reuse Feasibility Study/Richl	9/8/2011	2,500	0	2,500
SE	391	5000	2011-13	Sargent Co WRD	Sargent Co WRD, Silver Lake Dam Emergency Repai	10/12/2011	2,800	0	2,800
SE	1312	5000	2011-13	Walsh Co. WRD	Skyrud Dam 2011 EAP	12/15/2011	10,000	0	10,000
SE	1312	5000	2011-13	Walsh Co. WRD	Union Dam 2011 EAP	12/15/2011	10,000	0	10,000
SE	1998	5000	2011-13	Grand Forks Co. WRD	Upper Turtle River Dam #1 2012 EAP	6/28/2012	10,000	0	10,000
SE	2002	5000	2011-13	Grand Forks Co. WRD	Turtle River Dam #4 2012 EAP	6/29/2012	10,000	0	10,000
SE	2005	5000	2011-13	Grand Forks Co. WRD	Turtle River Dam #8 2012 EAP	6/29/2012	10,000	0	10,000
SE	AOC/RRBC	5000	2011-13	Red River Basin Commission	Stream Gaging & Precipitation Network Study in the R	9/14/2012	20,000	0	20,000
SE	1991	5000	2011-13	City of Lisbon	Sheneye River Snagging & Clearing Project	2/12/2013	5,000	0	5,000
SE	1289	5000	2011-13	McKenzie Co. Weed Control E	Control of Noxious Weeds on Sovereign Lands	6/11/2013	24,810	12,296	12,514
SE	1640	5000	2013-15	U.S. Geological Survey	Maintenance of gaging station on Missouri River below	9/25/2013	8,710	0	8,710
SE	1296	5000	2013-15	Pembina Co. WRD	Bathgate-Hamilton & Carlisle Watershed Study	10/17/2013	38,500	0	38,500
SE	1291	5000	2013-15	Mercer County WRD	Antelope Creek Snagging & Clearing Project	3/27/2014	21,714	18,457	3,257
SE	867-01	5000	2013-15	NDSU	NDSU - Water sampling Dr. Xinhua Jia Dept of Ag	4/22/2014	5,000	0	5,000
SE	507	5000	2013-15	Grant County WRD	Raleigh Dam Emergency Action Plan	7/1/2014	12,000	0	12,000
SE	399	5000	2013-15	Barnes Co WRD	Kathryn Dam Feasibility Study	9/19/2014	21,250	0	21,250
SE	274	5000	2013-15	City of Neche	FEMA Levee Certification Feasibility Study	10/17/2014	37,500	0	37,500
SE	1934	5000	2013-15	Traill Co. WRD	Elm River Snagging & Clearing Project	1/20/2015	50,000	0	50,000
SE	841	5000	2013-15	Maple River WRD	Garsteig Dam Repair Project	1/26/2015	40,163	0	40,163
SE	1287	5000	2013-15	McHenry Co. WRD	Souris River Snagging & Clearing Project	2/3/2015	15,000	0	15,000
SE	1842	5000	2013-15	Southeast Cass WRD	Wild Rice River Snagging & Clearing - Bridge Locatio	2/3/2015	57,000	0	57,000
SE	AOC/WUA	5000	2011-13	ND Water Users Association	Dave Koland Term as WUA President	3/23/2015	10,200	0	10,200
SE	346	5000	2013-15	Williams County WRD	Design Engineering for Epping Dam Safety Repair	3/30/2015	21,333	0	21,333
SE	571	5000	2013-15	Oak Creek WRD	Oak Creek Snagging & Clearing Project	3/30/2015	3,672	0	3,672
SE	1179	5000	2013-15	Richland Co. WRD	Drain #5 (27) Reconstruction Project	3/30/2015	13,543	0	13,543
SE	568	5000	2013-15	Barnes Co WRD	Sheneye River Snagging & Clearing Project	4/17/2015	49,500	0	49,500
SE	1303	5000	2013-15	Sargent Co WRD	Gwinner Dam Improvement Feasibility Study Program	4/17/2015	42,844	0	42,844
SWC	620	5000	2007-09	Lower Heart WRD	Mandan Flood Control Protective Works (Levee)	9/29/2008	125,396	0	125,396
SWC	1921	5000	2007-09	Morton Co. WRD	Square Butte Dam No. 6(Harmon Lake) Recreation F	3/23/2009	821,058	32,616	788,442
SWC	1638	5000	2009-11	Multiple	Red River Basin Non-NRCS Rural/Farmstead Ring Di	6/23/2009	226,364	48,500	177,864
SWC	1069	5000	2009-11	North Cass Co. WRD	Cass County Drain No. 13 Improvement Reconstructi	8/18/2009	122,224	0	122,224
SWC	1088	5000	2009-11	Maple River WRD	Cass County Drain No. 37 Improvement Recon	8/18/2009	92,668	0	92,668
SWC	1960	5000	2009-11	Ward Co. WRD	Puppy Dog Coulee Flood Control Diversion Ditch Con	8/18/2009	796,976	0	796,976
SWC	322	5000	2009-11	ND Water Education Foundati	ND Water: A Century of Challenge	2/22/2010	36,800	0	36,800
SWC	1244	5000	2009-11	Traill Co. WRD	Traill Co. Drain No. 27 (Moen) Reconstruction & Exter	3/11/2010	336,491	0	336,491
SWC	1577	5000	2009-11	Mercer Co. WRD & City of Ha	Hazen Flood Control Levee (1517) & FEMA Accredita	3/11/2010	184,984	0	184,984
SWC	281	5000	2009-11	Three Affiliated Tribes	Three Affiliated Tribes/Fort Berthold Irrigation Study	10/26/2010	37,500	0	37,500
SWC	646	5000	2009-11	City of Fargo	Christine Dam Recreation Retrofit Project	10/26/2010	184,950	0	184,950
SWC	646	5000	2009-11	City of Fargo	Hickson Dam Recreation Retrofit Project	10/26/2010	44,280	0	44,280
SWC	347	5000	2009-11	City of Velva	City of Velva's Flood Control Levee System Certificati	3/28/2011	102,000	0	102,000
SWC	1161	5000	2009-11	Pembina Co. WRD	Drain 55 Improvement Reconstruction	3/28/2011	13,846	0	13,846
SWC	1245	5000	2009-11	Traill Co. WRD	Traill Co. Drain No. 28 Extension & Improvement Proj	3/28/2011	336,007	0	336,007
SWC	1969	5000	2009-11	Walsh Co. WRD	Walsh Co. Construction of Legal Assessment Drain #	3/28/2011	38,154	0	38,154
SWC	1970	5000	2009-11	Walsh Co. WRD	Walsh Co. Construction of Legal Assessment Drain #	3/28/2011	39,115	0	39,115
SWC	1101	5000	2011-13	Dickey Co. WRD	Yorktown-Maple Drainage Improvement Dist No. 3	9/21/2011	354,500	0	354,500
SWC	1101	5000	2011-13	Dickey-Sargent Co WRD	Riverdale Township Improvement District #2 - Dickey	9/21/2011	500,000	0	500,000
SWC	1219	5000	2011-13	Sargent Co WRD	City of Forman Floodwater Outlet	9/21/2011	31,472	0	31,472
SWC	1252	5000	2011-13	Walsh Co. WRD	Walsh Co. Reconstruction Drain No. 97	9/21/2011	24,933	0	24,933
SWC	1705	5000	2011-13	Red River Joint Water Resour	Red River Joint WRD Watershed Feasibility Study - PI	9/21/2011	60,000	0	60,000
SWC	1975	5000	2011-13	Walsh Co. WRD	Walsh Co. Drain No. 31 Reconstruction Project	9/21/2011	37,742	0	37,742
SWC	1977	5000	2011-13	Dickey-Sargent Co WRD	Jackson Township Improvement Dist. #1	9/21/2011	500,000	0	500,000
SWC	829	5000	2011-13	Rush River WRD	Rush River WRD Berlin's Township Improvement Dist	10/19/2011	163,695	62,378	101,317
SWC	1224	5000	2011-13	Traill Co. WRD	Preston Floodway Reconstruction Project	10/19/2011	208,570	0	208,570
SWC	1978	5000	2011-13	Richland & Sargent Joint WRI	Richland & Sargent WRD RS Legal Drain No. 1 Exten	10/19/2011	245,250	0	245,250
SWC	1918	5000	2001-13	Maple River WRD	Normanna Township Improvement District No. 71	12/9/2011	287,900	0	287,900
SWC	1983	5000	2011-13	City of Harwood	City of Harwood Engineering Feasibility Study	12/9/2011	62,500	0	62,500
SWC	1396	5000	2011-13	U.S. Geological Survey	(USGS) Missouri River Geomorphic Assessment	3/7/2012	90,000	60,000	30,000
SWC	1989	5000	2011-13	Barnes Co WRD	Hobart Lake Outlet Project	3/7/2012	266,100	0	266,100
SWC	1990	5000	2011-13	Mercer Co. WRD	Lake Shore Estates High Flow Diversion Project	3/7/2012	43,821	0	43,821
SWC	227	5000	2011-13	Eaton Flood Irrigation District	District's Mouse River Riverbank Stabilization Project	6/13/2012	120,615	0	120,615
SWC	1344	5000	2009-11	Southeast Cass WRD	Sheneye Diversion Exterior Pump Station	6/13/2012	3,751	0	3,751
SWC	2006	5000	2011-13	Rush River WRD	Amenia Township Improvement District Drain No. 74 F	6/13/2012	459,350	0	459,350
SWC	2010	5000	2011-13	Barnes Co WRD	Meadow Lake Outlet	6/13/2012	500,000	0	500,000
SWC	2009-02	5000	2011-13	Southeast Cass WRD	Recertification of the Horace to West Fargo Diversion	9/17/2012	72,600	42,835	29,765
SWC	1401	5000	2009-11	Pembina Co. WRD	International Boundary Roadway Dike Pembina	9/27/2012	331,799	70,767	261,032
SWC	240	5000	2011-13	Eddy County WRD	Warwick Dam Repair Project	12/7/2012	110,150	0	110,150
SWC	1705	5000	2011-13	Red River Joint Water Resour	Red River Basin Distributed Plan Study	12/7/2012	560,000	0	560,000
SWC	2019	5000	2011-13	Valley City	Sheneye River Snagging & Clearing Project	12/7/2012	75,000	0	75,000
SWC	346	5000	2011-13	Williams County WRD	Epping Dam Evaluation Project	2/27/2012	66,200	0	66,200
SWC	1135	5000	2011-13	Pembina Co. WRD	Drain #4 Reconstruction Project	6/19/2013	221,628	218,955	2,673
SWC	1438	5000	2011-13	Cavalier County WRD	Mulberry Creek Phase IV Reconstruction Project	6/19/2013	324,010	221,991	102,019
SWC	1992	5000	2011-13	Burleigh Co. WRD	Burnt Creek Flood Restoration Project	6/19/2013	87,805	0	87,805
SWC	2022	5000	2011-13	Pembina Co. WRD	Drain #73 Project	6/19/2013	350,400	0	350,400
SWC	AOC/RRBC	5000	2013-15	Red River Basin Commission	Red River Basin Commission Contractor	7/1/2013	200,000	150,000	50,000
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRB	Missouri River Joint Water Board (MRJC) T. FLECK	7/1/2013	40,000	28,870	11,130
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRB	Missouri River Joint Water Board, (MRJWB) Start up	7/1/2013	20,000	5,792	14,208
SWC	AOC/WEF	5000	2013-15	ND Water Education Foundati	ND Water Magazine	7/1/2013	36,000	27,000	9,000

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GENERAL PROJECT OBLIGATIONS

Approved SWC		Dept	Approved Biennium	Sponsor	Project	Initial	Total	Total	Mar-15	
By	No					Approved Date			Approved	Payments
SWC	PS/WRD/USRJV	5000	2013-15	Upper Sheyenne River Joint V	Upper Sheyenne River WRB Administration (USRJWF	7/1/2013	12,000	6,083	5,917	
SWC	1859	5000	2013-15	ND Dept of Health	NonPoint Source Pollution, Section 319	8/20/2013	200,000	143,287	56,713	
SWC	1270	5000	2013-15	Burleigh Co. WRD	Apple Creek Industrial Park Levee Feasibility Study	10/7/2013	65,180	0	65,180	
SWC	2004	5000	2013-15	Grand Forks Co. WRD	Drain No. 57 Project	10/7/2013	413,576	0	413,576	
SWC	2040	5000	2013-15	Walsh Co. WRD	Drain #74 Project	10/7/2013	317,852	120,248	197,604	
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRB	Missouri River Coordinator	10/7/2013	175,000	107,871	67,129	
SWC	1056	5000	2013-15	Bottineau Co. WRD	Scandia/Scotia Drain Project	12/13/2013	140,634	0	140,634	
SWC	1242	5000	2013-15	Traill Co. WRD	Rust Drain No. 24 Project	12/13/2013	187,736	162,584	25,152	
SWC	1554/2046?	5000	2013-15	McLean Co. WRD	City of Underwood Floodwater Outlet Project	12/13/2013	1,100,727	0	1,100,727	
SWC	1758	5000	2013-15	USGS	Stochastic Model for the Mouse River Basin	12/13/2013	200,000	160,000	40,000	
SWC	2043	5000	2013-15	Pembina Co. WRD	District's Drain 78 Outlet Extension Project	12/13/2013	287,778	0	287,778	
SWC	2046	5000	2013-15	Walsch Co. WRD	North Branch Park River Comprehensive Flood Dama	12/13/2013	134,400	0	134,400	
SWC	1878-02	5000	2011-13	Maple-Steele WRD	Upper Maple River Dam Construction Phase	12/13/2013	3,991,500	0	3,991,500	
SWC	CON/WIL/CARL	5000	2013-15	Garrison Diversion Conservan	Will and Carlson Consulting Contract	12/13/2013	70,000	32,481	37,519	
SWC	1082	5000	2013-15	Rush River WRD	Cass Co. Drain No. 30 Channel Improvement Project	3/17/2014	142,818	0	142,818	
SWC	2008	5000	2013-15	City of Mapleton	Recertification of Flood Control Levee System Project	3/17/2014	718,941	617,841	101,100	
SWC	1140	5000	2013-15	Pembina Co. WRD	Drain No. 11 Outlet Extension Project	5/29/2014	125,760	0	125,760	
SWC	1418	5000	2013-15	City of Bisbee	Big Coulee Dam Feasibility Study	5/29/2014	65,000	20,472	44,528	
SWC	1444	5000	2013-15	City of Pembina	2014 Flood Protection System Modification Project	5/29/2014	1,031,981	656,329	375,652	
SWC	1577	5000	2013-15	City of Killdeer & Dunn Co.	Floodplain Mapping Project	5/29/2014	55,000	0	55,000	
SWC	1753/1523?	5000	2013-15	Ward Co. Hwy Dept	County Road 18 Flood Control Project	5/29/2014	325,208	0	325,208	
SWC	2045	5000	2013-15	Mercer Co. WRD	LiDAR Collection Project	5/29/2014	117,000	106,575	10,425	
SWC	2048	5000	2013-15	City of Marion	Marion Flood Mitigation & Lagoon Drainage Project	5/29/2014	188,366	0	188,366	
SWC	1932	5000	2005-07	Nelson Co. WRD	Michigan Spillway Rural Flood Assessment	8/15/2014	2,588,924	1,797,256	791,668	
SWC	1625	5000	2013-15	Houston Engineering	(OHWM) Ordinary High Water Mark Delineations	8/20/2014	134,418	129,462	4,956	
SWC	1227	5000	2011-13	Traill Co. WRD	Mergenthal Drain No. 5 Reconstruction	9/15/2014	155,780	0	155,780	
SWC	1285	5000	2013-15	Lamoure Co. Soil Conservatio	Lamoure Co Memorial Park Streambank Restoration	9/15/2014	91,042	0	91,042	
SWC	1314	5000	2013-15	Wells Co. WRD	Oak Creek Drain Lateral E Reconstruction Project	9/15/2014	73,057	0	73,057	
SWC	1613	5000	2013-15	North Cass Co. WRD	Cass County Drain No. 55 Channel Improvements Prc	9/15/2014	99,923	0	99,923	
SWC	1613	5000	2013-15	Richland Co. WRD	Drain No. 15 Reconstruction Project	9/15/2014	60,300	0	60,300	
SWC	1991	5000	2013-15	City of Lisbon	Sheyenne Riverbank Stabilization Project	9/15/2014	409,300	0	409,300	
SWC	2042	5000	2013-15	Bottineau Co. WRD	Haas Coulee Drain Project	9/15/2014	500,000	0	500,000	
SWC	2045	5000	2013-15	McKenzie Co WRD	LiDAR Collection Project	9/15/2014	262,308	0	262,308	
SWC	PSWRDELM	5000	2013-15	Elm River Joint WRD	Dam #3 Safety Improvements Project	9/15/2014	65,208	0	65,208	
SWC	568	5000	2013-15	Southeast Cass WRD	Sheyenne River Reaches Snagging & Clearing Projec	12/5/2014	294,000	0	294,000	
SWC	228	5000	2013-15	USGS	Operation & Maint of Gaging Station on the Missouri F	12/8/2014	8,970	0	8,970	
SWC	1792	5000	2009-11	Southeast Cass WRD	SE Cass Wild Rice River Dam Study Phase II	1/29/2015	162,252	130,000	32,252	
SWC	1878-02	5000	2011-13	Maple River WRD	Upper Maple River Dam Environmental Assessment -	1/29/2015	128,147	0	128,147	
SWC	829	5000	2011-13	Rush River WRD	Rush River Watershed Retention Plan	2/19/2015	3,220	0	3,220	
SWC	980	5000	2011-13	Maple River WRD	Maple River Watershed Flood Water Retention Study/	2/19/2015	3,687	0	3,687	
SWC	2012	5000	2011-13	Southeast Cass WRD	Lower Sheyenne River Watershed Retention Plan	2/19/2015	104,492	80,000	24,492	
SWC	980	5000	2013-15	Cass Co. Joint WRD	Rush River Watershed Detention Study	3/11/2015	120,750	0	120,750	
SWC	980	5000	2013-15	Cass Co. Joint WRD	Swan Creek Watershed Detention Study PHII	3/11/2015	120,750	0	120,750	
SWC	980	5000	2013-15	Cass Co. Joint WRD	Upper Maple River Watershed Detention Study	3/11/2015	120,750	0	120,750	
SWC	1064	5000	2013-15	Rush River WRD	Cass County Drain No. 2 Channel Improvements Proj	3/11/2015	106,989	0	106,989	
SWC	1217	5000	2013-15	Tri-County WRD	Tri-County Drain Reconstruction Project	3/11/2015	911,881	0	911,881	
SWC	1294	5000	2013-15	Nelson Co. Park Board	Stump Lake Park Bank Stabilization Project	3/11/2015	115,436	0	115,436	
SWC	1418	5000	2013-15	City of Bisbee	Design & Repair of Big Coulee Dam	3/11/2015	862,218	0	862,218	
SWC	2007	5000	2011-13	Maple River WRD	Pontiac Township Improvement District No. 73 Project	5/11/2015	1,247,093	500,000	747,093	
TOTAL								29,762,607	5,956,625	23,805,981

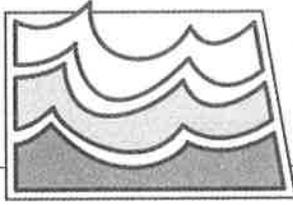
**STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2013-2015 Biennium
Resources Trust Fund**

COMPLETED GENERAL PROJECTS

Approver	SWC No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Mar-15 Balance
SE	1577	5000	2011-13	Burleigh Co. WRD	Fox Island 2012 Flood Hazard Mitigation Evaluation S	5/22/2012	23,900	23,900	0
SE	1303	5000	2011-13	Sargent Co WRD	Shortfoot Creek Preliminary Soils Analysis & Hydraulic	6/29/2012	24,861	6,034	18,827
SE	2003	5000	2011-13	Southeast Cass WRD	Re-Certification of the Horace to West Fargo Diversion	6/29/2012	42,835	42,775	60
SE	2008	5000	2011-13	City of Mapleton	Mapleton Flood Control Levee Project	6/29/2012	24,410	24,410	0
SE	1732	5000	2011-13	City of Beulah	Beulah Dam Emergency Action Plan	7/26/2012	20,440	10,440	10,000
SE	2003	5000	2011-13	Southeast Cass WRD	Re-Certification of the West Fargo Diversion Levee Sy	7/26/2012	45,879	45,879	0
SE	1993	5000	2011-13	Houston Engineering	Minot 100-yr Floodplain Map and Profiles	10/9/2012	10,000	0	10,000
SE	2001	5000	2011-13	Trails Co. WRD	Elm River Diversion Project	10/31/2012	10,423	6,076	4,347
SE	1992	5000	2011-13	Burleigh Co. WRD	Burleigh Co Flood Control Alternatives Assessment	1/30/2013	25,175	16,168	9,007
SE	1461	5000	2011-13	Pembina Co. WRD	O'Hara Bridge Bank Stabilization	4/26/2013	24,633	24,633	0
SE	871	5000	2011-13	Pembina Co. WRD	Pembina Snagging & Clearing Project	6/14/2013	7,500	7,500	0
SE	1395	5000	2013-15	U.S. Geological Survey	Operation & maintenance of seven water level monito	7/16/2013	17,500	17,500	0
SE	1174	5000	2013-15	Richland Co. WRD	Drain No. 31 Reconstruction Project	8/30/2013	32,393	22,393	10,000
SE	2045	5000	2013-15	NCRS & Corps St. Louis	Joint LiDAR Collection	9/12/2013	40,000	40,000	0
SE	1289	5000	2013-15	McKenzie Co. Weed Cor	Control of Noxious Weeds on Sovereign Lands	9/20/2013	10,496	9,779	717
SE	1244	5000	2013-15	Trails Co. WRD	Trails Co. Drain No. 27 (Moen) Lateral Channel Improv	9/27/2013	29,914	23,723	6,191
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 3	10/17/2013	49,500	48,493	1,007
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 2	10/17/2013	49,500	49,375	125
SE	1987	5000	2013-15	City of Burlington	Interim Levee Project	11/22/2013	49,000	49,000	0
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 4	12/13/2013	20,000	20,000	0
SE	BSC	5000	2013-15	Bismarck State College	2014 ND Water Quality Monitoring Conference	2/24/2014	1,000	1,000	0
SE	AOC/WEF	5000	2013-15	ND Water Education Fou	2014 Summer Water Tours Sponsorshi	3/5/2014	2,500	2,500	0
SE	1403	5000	2013-15	ND Water Resources Ins	Institute Fellowship Program 2014-15	3/20/2014	13,850	13,850	0
SE	1667	5000	2013-15	Trails Co. WRD	Goose River Snagging & Clearing Project	4/23/2014	46,750	46,750	0
SE	1311	5000	2013-15	Trails Co. WRD	Buffalo Coulee Snagging & Clearing Project	5/27/2014	25,000	23,363	1,637
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Bridge Locatio	10/16/2014	34,500	34,500	0
SE	1667	5000	2013-15	Trails Co. WRD	Goose River Snagging & Clearing Project	1/23/2015	50,000	44,173	5,827
SE	AOC/WEF	5000	2013-15	ND Water Education Fou	2014 Summer Water Tours Sponsorshi	3/10/2015	2,500	2,500	0
SE	1403	5000	2013-15	ND Water Resources Ins	Institute Fellowship Program 2014-15	3/23/2015	13,850	13,850	0
SE	NDAWN	5000	2013-15	NDSU	ND Agricultural Weather Network	4/15/2014	1,550	1,550	0
SWC	928/988/1508	5000	2011-13	SE Cass WRD	Wild Rice, Bois de Sioux, Antelope Creek Retention S	7/21/2008	60,000	30,415	29,585
SWC	1966	5000	2009-11	City of Oxbow	City of Oxbow Emergency Flood Fighting Barrier Syst	6/1/2010	188,400	188,400	0
SWC	1882-07	5000	2009-11	NDSU	NDSU Development of SEBAL	9/1/2010	15,387	15,387	0
SWC	416-18	5000	2011-13	ND Game & Fish	DL Johnson Farms Water Storage Site	6/10/2011	125,000	4,316	120,685
SWC	1344	5000	2011-13	Southeast Cass WRD	Southeast Cass Sheyenne River Diversion Low-Flow (6/14/2011	716,609	33,535	683,074
SWC	1219	5000	2011-13	Sargent Co WRD	District Drain No. 4 Reconstruction Project	9/21/2011	125,500	86,723	38,777
SWC	CON/WILL-CA	5000	2011-13	Garrison Diversion	Will/Carlson Consultant	10/17/2011	26,174	0	26,174
SWC	1138	5000	2011-13	Pembina Co. WRD	Drain No. 8 Reconstruction Project	3/7/2012	12,215	5,157	7,058
SWC	PS/WRD/JAM	5000	2011-13	James River Joint WRD	James River Engineering Feasibility Study Phase 1	3/7/2012	29,570	29,490	80
SWC	1344	5000	2011-13	Southeast Cass WRD	Sheyenne Diversion Phase VI - Weir Improvements	6/13/2012	225,050	224,192	858
SWC	1344	5000	2009-11	Southeast Cass WRD	Horace Diversion Channel Site A (Section 7 - Phase V	6/13/2012	1,812,822	1,810,744	2,078
SWC	1806-02	5000	2011-13	City of Argusville	Re-Certification of the City of Argusville Flood Control	6/13/2012	84,164	20,101	64,063
SWC	228	5000	2011-13	U.S. Geological Survey	Additional USGS gage Missouri River- ANNUAL	9/17/2012	8,500	8,500	0
SWC	1996	5000	2011-13	Trails Co. WRD	Drain #62 - Wold Drain Project	9/17/2012	112,400	108,717	3,683
SWC	2013	5000	2011-13	Richland-Cass Joint WRI	Wild Rice River Watershed Retention Plan	9/17/2012	90,000	90,000	0
SWC	2014	5000	2011-13	Trails Co. WRD	Elm River Watershed Retention Plan	9/17/2012	75,000	62,371	12,629
SWC	2003-02	5000	2011-13	Southeast Cass WRD	Re-Certification of the West Fargo Diversion Levee Sy	9/17/2012	91,400	91,400	0
SWC	1069	5000	2011-13	North Cass - Rush River	Drain #13 Channel Improvements	9/27/2012	217,000	217,000	0
SWC	1303	5000	2011-13	Sargent Co WRD	Frenier Dam Improvement Project	12/7/2012	158,373	112,027	46,346
SWC	1523	5000	2011-13	Ward Co. WRD	Souris River Minot to Burlington Snagging & Clearing	12/7/2012	109,000	109,000	0
SWC	2020	5000	2011-13	Minot Park District	Souris Valley Golf Course Bank Stabilization	12/7/2012	335,937	205,404	130,533
SWC	1312	5000	2011-13	Walsh Co. WRD	Forest River Flood Control Feasibility Study	6/19/2013	79,956	79,956	0
SWC	1207	5000	2011-13	Richland Co. WRD	Drain #65 Extension Project	6/19/2013	123,200	101,048	22,152
SWC	1444	5000	2011-13	City of Pembina	US Army Corps of Eng Section 408 Review City Flood	9/19/2013	73,200	62,833	10,367
SWC	1523	5000	2013-15	Ward Co. WRD	Mouse River Snagging & Clearing Project	12/13/2013	347,466	84,700	262,766
SWC	1523	5000	2011-13	Ward Co. WRD	Countryside Villas/Whispering Meadows Drainage Imp	2/21/2014	157,211	67,287	89,924
SWC	568	5000	2013-15	Southeast Cass WRD	Sheyenne River Snagging & Clearing Project Reaches	3/13/2014	165,000	164,861	139
SWC	2045	5000	2013-15	Federal Coalition Agenci	Federal/State LiDAR Collection Project	9/15/2014	75,000	75,000	0
SWC	228	5000	2013-15	USGS	Operation & Maint of Gaging Station on the Missouri R	10/2/2014	8,970	8,710	260
SWC	1296	5000	2013-15	Pembina Co. WRD	Bourbanis/Olson Dam Safety Project	10/29/2014	132,680	99,833	32,847

TOTAL

6,531,042 4,869,220 1,661,822



North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
North Dakota Water Commission Members
FROM:  Todd Sando P.E., Chief Engineer-Secretary
SUBJECT: Legislative Summary
DATE: May 12, 2015

House Bill 1095 – This bill provides clarification to the portions of code related to administrative hearings for drain projects and non-complying dams, dikes and other devices. It establishes time limits for appeal to the State Engineer if the aggrieved party is not satisfied with the Water Resource District decision or fails to act on a complaint. The bill also assigns a study of the use of quick take in eminent domain by Water Resource Districts to the Legislative Water Topics Overview committee. The use of quick take by a Water Resource District was also addressed in Section 33 of the Office of Management and Budgets appropriation bill, Senate Bill 2015. Language was added requiring the water Resource District to have either a Federal appropriation or a State appropriation that has been appropriated by the Legislature for a specific project.

House Bill 1096 – This bill redefines “domestic use” to include both single and multiple households, it makes changes recommended by a recent performance audit on when an inspection of a water permit takes place, and gives the State Engineer additional flexibility to withdraw waters of the state from additional appropriations until sufficient data is available to make sound decisions.

House Bill 1097 – This bill gives an aggrieved party of an action or decision of the State Engineer 30 days to request a hearing. If a person applying for a permit from the State Engineer has an unresolved administrative order or complaint against them, their permit application will not be processed until the issue is resolved unless the new application would resolve the issue. It requires the owner of a medium-hazard or high-hazard dam to develop & update an emergency action plan for the structure.

Senate Bill 2020 – This is the agency’s appropriation bill.

- Earmarked \$664 million in new project funding – List Attached;
- Established a \$200 million dollar line of credit with the Bank of ND for additional funding;

- Added 7 of the 10 new FTE's requested – 3 Hydrologists and 1 Program Administrator/Inspector in the Appropriations Division, a Director of Regulatory Division, a Water Supply Project Manager and a Sovereign Lands position;
- Removed these 3 FTE's – 1 Hydrologist, 1 Investigations Engineer and 1 Cost Share Person;
- Directed the Commission to obtain a loan from the Bank of ND to pay off the outstanding bonds;
- Removed \$851,259 for Salary Compression issues;
- Removed the funding for insulating the cold storage bay in our shop and constructing a new cold storage building - \$300,000;
- Added language requiring the Commission to report to the Water Topics Overview committee and obtain Budget Section approval regarding changes made to the project priorities;
- Requires the Commission to adopt a modified cost share policy concerning water supply projects;
- Requires the Commission to consider Outdoor Heritage grants as local cost share for project sponsors;
- Requires the Commission to fund a study with North Dakota State University focusing on the impacts of the Fargo Diversion project on areas outside the Corps of Engineers mitigation area. \$80,000

The following bills had been previously discussed with the Commission but failed to pass.

House Bill 1145 – This bill required well site operators to receive and maintain copies of water permits identifying the source of water for a period of 2 years.

House Bill 1249 – This bill established a Missouri River Advisory Council.

House Bill 1415 – This bill provided legislative intent to increase the funding limit for the Fargo flood control project to \$570 million. Although this bill did not pass the language was added to the Water Commission's appropriation bill.

Senate Bill 2336 – This bill required the Western Area Water Authority to file an application with the Commission for any new depots, laterals, taps or turnouts.

SB 2020 Water Project Earmarks: 2015-2017 Biennium		
Projects and Project Types	SB 2020 (Millions \$)	
	Grant	Loan
Sovereign Lands Recreation (Sec. 4)	\$1	\$0
Fargo Flood Control (Sec. 8)	\$69	\$0
Fargo Flood Control (Sec. 11) <i>Dis. Relief Fund</i>	\$30	\$0
Fargo Interior Flood Control (Sec. 12)	\$30	\$0
Grand Forks Water Treatment Plant (Sec. 13)	\$30	\$0
Red River Valley Water Supply (Sec. 14)	\$5	\$0
Missouri R. Flood Control (Sec. 15) <i>Dis. Relief Fund</i>	\$4	\$0
Water Supply Reimbursements (Sec. 16)	\$11	\$0
Flood Control (Sec. 17)	\$113	\$0
DL Outlet Operation \$11M Grafton \$25M Mouse River \$40M Williston \$7M Sheyenne River \$30M		
General Water Management (Sec. 17)	\$50	\$11
Rural Water Projects (Sec. 17)	\$130	
NAWS \$10M Rural Water \$50M SWPP \$25M WAWS \$45M		
Municipal Water Projects (Sec. 17)	\$85	
High Priority Municipal \$25M Other Municipal/Rural \$15M SWPP Service To Municipal \$30M WAWS Service To Municipal \$15M		
Loans To Rural & Municipal - IRLF (Sec. 17)	\$25	
Central Dakota Water Supply Reuse Fac. (Sec. 19)	\$10	\$40
Central Dakota Water Supply (Sec. 19)	\$20	\$0
Projects Total	\$664	

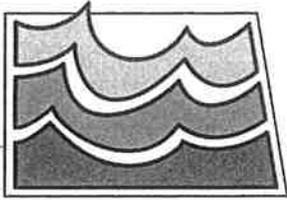
Notes:

*SB 2020 also requires the SWC to obtain a BND loan of \$56M to pay off or defease outstanding bonds



5/19/2015

MAY 20, 2015



North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM: *TSD* Todd Sando, P.E., Chief Engineer-Secretary
SUBJECT: NAWS – Project Update
DATE: May 11, 2015

Supplemental EIS

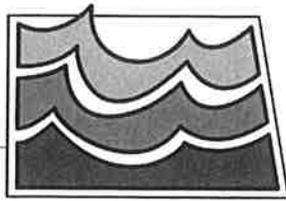
Reclamation filed notice of availability of the Final Supplemental Environmental Impact Statement (FSEIS) in the Federal Register on April 10, 2015. The 30-day waiting period for the Record of Decision began on that day, but due to requests from the State of Missouri, a decision will not be made prior to June 9, 2015. Due to input from the Environmental Protection Agency (EPA), the preferred alternative in the FSEIS was changed from chlorination and ultraviolet irradiation in the draft document to the conventional treatment option, which includes flocculation/sedimentation, pretreatment, and filtration prior to disinfection. EPA's primary concern was that disinfecting the raw water prior to the divide and prior to filtration would result in excess formation of disinfection byproducts. Filtration prior to chlorination should reduce the formation of disinfection byproducts and will allow the project greater flexibility in addressing potential changes in raw water quality, changes in future Safe Drinking Water Act regulations, and any taste and odor issues arising when the lake turns over in the fall as well as general project management and operations.

Manitoba & Missouri Lawsuit

Upon completion of the SEIS and issuance of the Record of Decision, the Court will be notified of the completion of the NEPA process and a briefing schedule will likely be requested at that time.

A joint status update was provided to the Federal Court on March 3, 2015. In addition to the update, we provided notice to the Court that there will likely be some work performed at the High Service Pump Station to ensure and enhance the ability of the facility to meet its intended purpose. There have been several issues with the pumps, motors, drives, and electrical systems at the pump station and we feel measures need to be taken to address them. Specifics of the improvements at the High Service Pump Station are covered in a separate memorandum.

TSS:TJF:pdh/237-04



MAY 20, 2015

North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM:  Todd S. Sando, P.E., Chief Engineer - Secretary
SUBJECT: SWPP Project Update
DATE: May 11, 2015

Oliver, Mercer, North Dunn (OMND) Regional Service Area

Center SA Rural Distribution System 7-9E & 7-9F:

The State Water Commission (SWC) awarded Contract 7-9F to Eatherly Constructors, Inc. at its October 7, 2013, meeting. This contract consists of 250 miles of 8" -1½" PVC pipe serving 341 rural water customers. The preconstruction conference for this contract was held on May 2, 2014, and the contractor started construction on June 16, 2014. This contract has an intermediate completion date of September 15, 2014, for a portion of the service area identified in the plans and has a substantial completion date of September 15, 2015, for the entire contract. The contractor turned over all the users within the intermediate completion area by December 15, 2014. The contractor sent a letter requesting a 93-day time extension on the intermediate, substantial and final completion dates because of wet weather in summer of 2014 and also wanted all liquidated damages returned back to them. In response to the time extension request, a 14-day extension was provided. The contractor had also not accepted any change orders because of the dispute in additional time warranted in the added work. From the contract progress payments \$55,500 was withheld in liquidated damages. The contractor requested mediation and mediation was held on May 5, 2015, with Joel Heusinger serving as the mediator. A settlement agreement was reached, in which the contractor agreed to turning over the original 341 users specified in the contract by September 29, 2015. It was agreed to eliminate liquidated damages and in turn the contractor agreed to reduce the contract price by \$26,144 in one of the bid item included by a change order. The contractor mobilized to the site during the week of April 27, 2015, to begin construction for the 2015 construction season and completed installation of approximately 3 miles of pipeline.

Contract 7-9E is the west Center SA rural distribution system. This contract includes furnishing and installing approximately 267 miles of 6"-1 ½ " ASTM D2241 gasketed joint pipe; 251 services; road crossings; connections to existing pipelines and other related appurtenances. The SWC awarded this contract to Swanberg Construction, Valley City, North Dakota at its May 29, 2014, meeting. This contract has an intermediate completion date of July 15, 2015, for a portion of the contract consisting of about 44 miles of pipe serving 54 rural customers. The substantial completion date for the remaining contract is November 15, 2015. The contractor started construction on October 13, 2014, and installed approximately 10 miles of pipeline in the 2014 construction season. For the 2015 construction season, the contractor mobilized to the site on April 8, 2015, and has completed installation of approximately 16 miles of pipeline.

Contract 2-8E/2-8F Dunn Center SA Main Transmission Line (MTL):

Contract 2-8E is the MTL from the OMND WTP to a combination reservoir and booster station north of Halliday (Dunn Center booster station). This contract was awarded to Carstensen Contracting Inc., on May 21, 2013, and the contractor started construction on July 24, 2013. This contract involves furnishing and installing approximately 25 miles of pipe, an above grade booster station with concrete reservoir, PRV/Control vault, road crossings and related appurtenances. The contract specified a substantial completion date of July 1, 2014, and a final completion date of August 1, 2014. The contract was considered substantially complete on December 4, 2014.

Contract 2-8F is the MTL west of Halliday to west of Killdeer. This contract involves furnishing and installing approximately 40 miles of 16"-6" PVC pipe, connections to existing pipelines, 2 prefabricated steel meter vaults, road crossings and related appurtenances. This contract has two intermediate completion dates. The first intermediate completion date is August 15, 2014, for Bid Schedule 1, which is from north of Halliday to the Dunn Center Elevated tank. The second intermediate completion date is November 15, 2014, for Bid Schedule 2A which will provide connections to the Cities of Dunn Center and Killdeer. The Bid Schedule 2B and the entire project is to be substantially complete on or before August 1, 2015, which includes 2 prefabricated below grade booster pump stations and will enable the Killdeer Mountain, Grassy Butte and a portion of the Fairfield service areas to be served from the OMND Water Treatment Plant (WTP).

The Commission awarded Contract 2-8F to Carstensen Contracting, Inc. at its February 27, 2014, conference call meeting. The contractor started construction on June 17, 2014, and has turned over pipelines in Bid Schedule 1 and Bid Schedule 2A for service. Contractor has requested time extension for both contract 2-8E and 2-8F. The time extensions were based on weather conditions. Additional documentation on how weather conditions affected the production was requested.

Contract 5-17 Dunn Center Elevated Reservoir:

This contract includes furnishing and installing a 1,000,000 gallon elevated composite reservoir. The substantial completion date on this contract was August 15, 2014. The welding of the tank bowl was completed on ground and it was lifted into place on July 22, 2014. Painting of the tank remains to be completed. The contractor submitted a letter requesting a 95 day extension because of abnormal 2013-2014 weather conditions. Bartlett and West/AECOM has responded to their extension request, indicating only 16 days in 2013-2014 winter season can be considered abnormal. Painting of the tank is not complete. A "work stop" request due to environmental conditions was received from the contractor. BW/AECOM responded denying their "work stop" request. The earthwork subcontractor and the piping subcontractor returned to site in early April.

Contract 5-15B 2nd Zap Reservoir:

This contract has been closed out.

Contract 8-3 Killdeer Mountain Elevated Reservoir:

This contract includes furnishing and installing a 250,000-gallon elevated reservoir. This contract was bid on October 18, 2013. The SWC awarded this contract to Maguire Iron, Inc. of Sioux Falls, South Dakota at its December 13, 2013, meeting. The substantial completion date was October 1, 2014. The preconstruction conference for this contract was held on April 16, 2014. Tank installation is complete. Painting of the tank is mostly complete. Some of the exterior coating on the tank was applied in unfavorable weather conditions. Changes in temperatures and humidity while the coating was curing led to blushing spots on the tank exterior, which needs corrective measures. The interior coating requires touch up and other items like overflow pipe still require coating. The tank was considered substantially complete on November 23, 2014. A letter was received from the contractor requesting an extension of time for weather delay and relief from liquidated damages, as there was no "loss of use". A response was sent informing that they might be entitled to some time for weather delays but waiver of all liquidated damages is unlikely. The earthwork subcontractor returned to site early April. A final change order is under preparation.

OMND Water Treatment Plant (WTP) Phase II Expansion:

The SWC awarded Contract 3-1H, OMND WTP Phase II expansion to Northern Plains Contracting, Inc., and Edling Electric, Inc. at its December 13, 2013, meeting. The preconstruction conference for Contract 3-1H was held on January 29, 2014. The substantial completion date on this contract was August 1, 2014. The completion was delayed because of the coordination involved with keeping the WTP operational. The membranes and ozone system are operational.

Contract 7-9G Halliday and Dunn Center Service Area:

This contract includes furnishing and installing approximately 330 miles of 6"-1 ½ " ASTM D2241 gasketed joint pipe; 395 services; road crossings; connections to existing pipelines and other related appurtenances. The project is located in Mercer and Dunn Counties of North Dakota.

The contract has two Bid Schedules. The SWC at its March 11, 2015 meeting awarded Bid Schedule 1 to Swanberg Construction Inc., and Bid Schedule 2 to Northern Improvement Company. Contract documents have been executed by all parties for both Bid Schedules.

Other Contracts

Contract 7-1C/7-8H Hydraulic Improvements in the Davis Buttes, New Hradec and South Fryburg SA:

Mutual release between the bonding company and the State Water Commission has been signed.

Contract 8-1A New Hradec Reservoir:

This contract involves furnishing and installing a 296,000 gallon fusion powder coated bolted steel reservoir. The contract documents were executed on May 16, 2013, and the Notice to Proceed was issued on June 3, 2013. The substantial completion date on this contract was September 15, 2013. The tank was put into service on February 20, 2014. A partial pay estimate

withholding \$207,750 was sent to the contractor. The contractor responded that he does not agree with the liquidated damages that are being assessed and will not sign the partial pay estimate. A pre-final inspection was conducted the week of September 8, 2014, and again on December 9, 2014, and a punch list of remaining items was forwarded to the contractor. The contractor has attempted to work on the punch list items, but the work has not been accepted.

Contract 4-5 Finished Water Pumping Station (FWPS):

This contract consists of the construction of a 60' by 85' reinforced concrete and precast concrete building, and the installation of pumping, piping, mechanical, and electrical and instrumentation systems. The SWC awarded this contract to John T. Jones Construction Company at its May 29, 2014 meeting. The preconstruction conference for this contract was held on June 19, 2014. The construction of the underground reservoir is complete and the contractor is working on finishing backfilling operation and pipeline installation. Installation of pump bases and precast walls is expected to commence soon.

Contract 1-2A Supplemental Raw Water Intake:

The contractor James W. Fowler has completed the caisson construction. The contractor is setting up separation equipment for recirculating the slurry used for microtunnelling. The contractor is working on installing the jacking frame, head wall and the thrust block necessary for the microtunneling operation. Microtunneling operation is expected to commence mid-May.

The contractor has revised the plan for retrieving the microtunnelling boring machine (MTBM) from the lake bottom. At the desired location of the screen, the MTBM will be around 10 feet under the lake bottom. The marine subcontractor will excavate the soil above the MTBM up to the spring line and the excavated material is brought to the surface through the slurry lines used during boring operation. The excavated material along with the lake water will be treated at surface and discharged. Air bags and a barge mounted crane will be used to lift the MTBM to the surface. The Corps of Engineers is reviewing a permit for the under water recovery and surface water discharge.

Contract 3-2 Six (6) MGD Water Treatment Plant at Dickinson:

Contract 3-2A Membrane Equipment Procurement – The SWC awarded this contract to Tonka Water from Plymouth, Minnesota at its February 27, 2014, conference call meeting. BW/AECOM has received submittal drawings.

Contract 3-2B Softening Equipment Procurement – Contract documents have been executed with WesTech Engineering, Inc.

Contract 3-2C Ozone Equipment Procurement – Contract documents have been received from the contractor S.Roberts & Company.

Contract 3-2D Dickinson WTP Contract – We have received the 50 percent submittal set of drawings from BW/AECOM. Information from the submittals from contract 3-2A, 3-2B and 3-2C are being used in the design. We anticipate bidding this contract in Summer of 2015.

SWPP Project Update

Page 5

May 11, 2015

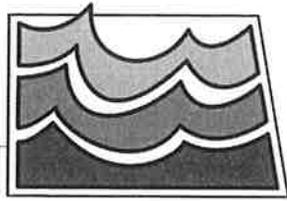
Contract 3-2E Residual Handling Building – Bid ready contract documents for this contract are mostly complete. The bidding of this contract may be delayed depending on funding availability in the 2015-2017 biennium.

Project Update

Raw Water Line Capacity Upgrade:

Design of the pump station upgrades at Dodge and Richardton, parallel piping between the intake and the Zap reservoir and from Richardton to Dickinson reservoir and generator upgrades at the pump stations are ongoing. SWA has indicated their preference to build the additional raw water reservoirs before the parallel piping upgrades and that is being considered in the project priority for the 2015-2017 biennium.

TSS:SSP:pdh/1736-99



North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM: *TSD* Todd Sando, P.E., Chief Engineer – Secretary
SUBJECT: Mouse River Enhanced Flood Protection Plan
DATE: May 6, 2015

Project Activity:

Design is progressing on the three flood protection features within Minot. These are the Napa Valley and Forest Road levees and the 4th Avenue NE flood wall. The State Department of Transportation is in the process of designing a replacement structure for the Burdick Expressway Bypass Bridge, which will intersect the Napa Valley levee. Periodic coordination meetings are being held with the engineering team and DOT and the interaction should prevent any major disruptions to either project. A similar case is arising with the 4th Avenue floodwall. The Broadway viaduct is scheduled for replacement as well, but the works at that location that are now in design are only located on the north side of the river. It may be necessary to add the south-side components to assure coordination. This has been discussed by the Souris River Joint Board, but no requests to do this have yet been received.

Under the Basin-Wide approach, some activities have been proposed for rural areas. A basin-wide structure acquisition, relocation or removal program has been designed by the Souris River Joint Board to address flood-prone farmsteads and other structures. Several meetings have been held throughout the basin on this program. The Corps of Engineers, under the Silver Jackets Program will soon be conducting a basin-wide survey of these properties. Another Silver Jackets project was a series of workshops on non-structural flood protection held in the basin, with representatives of other areas invited. Some areas have also been proposed for efforts to remove trapped flood waters, an issue which was identified in the Rural Reaches part of the Preliminary Engineering Report.

Environmental Activity:

The St. Paul District Corps of Engineers has begun their review under the Section 214 agreement to evaluate modifications of existing federal works. This work is being done to also include any other permitting requirements. Public meetings were held in Minot on March 11 and 12 to gather comments on the process. A meeting will be scheduled soon to discuss whether an Environmental Assessment will be adequate, or whether a full Environmental Impact Statement will be required.

International Souris River Board:

A study group has been formed to track progress on the Plan of Study and to investigate measures that can be taken in the interim period. This group (the 1989 Agreement Review Group) has met three times by conference call and once in Regina. There are several matters that call for attention. The Saskatchewan Water Security Agency (SWSA) has been evaluating

severe summer rainfall events that could be difficult to manage under the current operating plan. They feel constrained to follow the plan, but are concerned about dam safety impacts if they do so under these conditions.

This work could be considered part of developing a rainfall operating plan, a task that is called for in the 1989 Agreement. The Agreement also calls for periodic review of the operating plan. These, and other items in the Agreement, do provide a certain amount of flexibility to the ISRB to undertake some of the work in the Plan of Study. The group intends to explore this and present an approach to the ISRB to make some improvements, at least on a temporary basis.

Flooding Update:

In late March, inflows into Rafferty Reservoir began. Although it was not forecasted to be a 10 year or greater runoff, the trigger for flood operations, the upper basin soils were saturated, so the runoff was significant. Discharge from Rafferty began about March 26, ramping up to 900 cfs on April 1, where it held until April 17, dropping to less than 100 cfs by the 22nd. Releases from Alameda began March 24, rising quickly to about 800 cfs from the 24th until April 12, when it was raised to 1100 cfs for about a day, and then decreasing to 1000 cfs until the 22nd, when it was cut back to about 350 cfs. This resulted in a hydrograph at Sherwood rising from 600 cfs on March 25 to about 1700 cfs on April 1. It rose to 1800 cfs on April 16 and held at that level until the 21st, having reached a peak of 1850 cfs. A gradual decline brought the flow down to about 500 cfs by the end of the month.

Lake Darling was operated to pass flows and avoid excessive pool elevations. The resulting hydrograph passed through the communities with little problem, however, it did cause overbank flooding and erosion in the reach from Velva to the mouth of the Wintering. The Verendrye gage in this area shows a rise from 300 cfs to 1500 cfs from March 21 to April 1, then a gradual rise to 1800 cfs by April 25. After the 12th it began receding.

Even though this was not defined as a flood event the impacts in the Verendrye reach are of much concern. The behavior of the river in this reach is the controlling factor in evaluating changes in the operating plan. This year's spring hydrograph provides identification of the threshold of damages and may help identify measures that could be taken to prevent damage up to some level in the hope of gaining flexibility for the operating plan. Two engineers from the staff traveled to the area to observe conditions and try to identify the sources of the flooding. Their observations are currently being examined.

MAY 20, 2015



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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM: Todd Sando, P.E., Chief Engineer – Secretary
SUBJECT: Devils Lake Hydrologic Update
Devils Lake Outlet Update
DATE: May 6, 2015

The current water surface elevation of Devils Lake and Stump Lake is 1451.5 ft.-msl and has been receding since early April when the elevation of the lakes were approximately 1451.7 ft.-msl. The water surface elevation at this time is approximately 1.5 feet below the water surface elevation from a year ago.

For Devils Lake the total precipitation thru April 2015 was 2.0 inches. That is 0.9 inches below average and 1.5 inches below the 2014 precipitation for the same time period. On May 6 approximately 0.9 inches of rain was observed near Devils Lake.

The National Weather Service probabilities for exceeding listed lake levels for the period of April 20, 2015, to September 30, 2015, are shown in the table below, along with the increase amounts in volume and area.

Lake	90%	50%	10%
Devils Lake Elev.	1451.7 ft. msl	1451.8 ft. msl	1452.0 ft. msl
Lakes Vol. Increase	36,000 ac.-ft.	54,000 ac.-ft.	90,000 ac.- ft.
Lakes Area Increase	2,000 ac.	3,000 ac.	5,000 ac.

The West End Outlet was started up on April 23rd and has been operating at full capacity, 250 cubic foot per second since that time. The West End Outlet pumped a volume of 3,600 acre-feet in April.

East End Outlet is ready for operation and waiting on final inspections of Tolna Dam and the Devils Lake Outlets Management Advisory Committee Meeting on May 14, 2015.

Tolna Dam, which is located in the Tolna Coulee about 9 miles downstream from the East End Outlet, has been repaired from March 2015 runoff damage and the water level in the reservoir has been replenished from the draw down efforts during the repair.

TS:JK:EC:ph/416-10

JACK DALRYMPLE, GOVERNOR
CHAIRMAN

TODD SANDO, P.E.
CHIEF ENGINEER AND SECRETARY

MAY 20, 2015



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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM:  Todd Sando, P.E., Chief Engineer/Secretary
SUBJECT: Missouri River Update
DATE: May 6, 2015

System/Reservoir Status

System volume on May 6 in the six mainstem reservoirs was 57.1 million acre-feet (MAF), 1.0 MAF above the base of flood control. This is 1.7 MAF above the average system volume for the end of April, and 2.5 MAF more than last year.

On May 6, Lake Sakakawea was at an elevation of 1838.3 feet, 0.8 feet above the base of flood control. This is 0.7 feet higher than a year ago and 5.3 feet above its average end of April elevation. The minimum end of April elevation was 1806.6 feet in 2005 and the maximum end of April elevation was 1847.6 feet in 2011.

On May 6, the elevation of Lake Oahe was 1607.2 feet, 0.3 feet below the base of flood control. This is 0.9 feet higher than last year and 3.1 feet higher than the average end of April elevation. The minimum end of April elevation was 1574.7 feet in 2005, and the maximum end of April elevation was 1617.9 feet in 1997.

On May 6, the elevation of Fort Peck was 2235.8 feet, 1.8 feet above the base of flood control. This is 9.6 feet higher than a year ago and 7.3 feet higher than the average end of April elevation. The minimum end of April elevation was 2198.6 feet in 2005, and the maximum end of April elevation was 2247.0 feet in 1979.

Runoff and Reservoir Forecasts

The May runoff forecast predicts runoff above Sioux City for this year to be 19.3 MAF or 76 percent of normal. In 2012, which was the most recent dry year, runoff above Sioux City for the year was 19.5 MAF or 77 percent of normal. Mountain snowpack on May 5 was 44 percent of the normal peak in the "Above Fort Peck" reach and 49 percent of the normal peak in the "Fort Peck to Garrison" reach. Mountain snowpack typically peaks near April 15, but this year it peaked in early March.

The May reservoir forecast predicts for the basic condition that the elevation of Lake Sakakawea will peak at 1838.7 feet in June, slightly higher than the current elevation. Releases from Garrison Dam are currently about 23,000 cfs and are predicted to remain near that level throughout the summer.

Annual Operating Plan

The Corps hosted public meetings in April for their 2015 Annual Operating Plan. The meeting in Bismarck was held on April 7 at the Bismarck Event Center. The State Water Commission provided comments, which are attached to this memo.

Missouri River Recovery Implementation Committee (MRRIC)

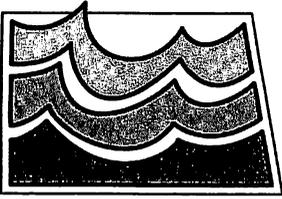
In Section 5018 of the 2007 Water Resources Development Act (WRDA), Congress authorized the Missouri River Recovery Implementation Committee (MRRIC). The Committee is to make recommendations and provide guidance on activities resulting from the Missouri River Recovery Program (MRRP). The Committee was established in 2008. MRRIC has nearly 70 members representing local, state, tribal, and federal interests throughout the Missouri River Basin.

MRRIC will be meeting in Sioux Falls, South Dakota on May 18 to 21 and continuing its work on the development of the Missouri River Recovery Management Plan (MRRMP) and Environmental Impact Statement (EIS). The MRRMP and EIS is a three-year effort that will evaluate the effectiveness of actions taken by the Corps to recover the least tern, piping plover, and pallid sturgeon. The evaluation will determine modifications to current recovery efforts and will result in an adaptive management plan for recovery actions. The MRRMP and EIS are scheduled to be complete in August 2016.

During the upcoming meeting, MRRIC will be providing input on proposed alternatives to recover the least tern and piping plover. These alternatives include changing dam releases, lowering reservoirs, and mechanical construction of sandbar habitat.

Surplus Water/Reallocation

The Reallocation Study has been put on hold until the five remaining Surplus Water Reports are finalized and the associated Rulemaking has been released to the public. A timeline of these events has not been provided. We continue the effort to educate the Corps that storage contracts are inappropriate as the natural flow of the Missouri River provides for the water use in North Dakota and stored water is not necessary.



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Missouri River AOP Meeting

**Bruce Engelhardt, Director, Water Development Division
North Dakota State Water Commission**

**April 7, 2015, 6pm
Bismarck Event Center**

Good evening, my name is Bruce Engelhardt, Director of Water Development for the State Water Commission. On behalf of the State Water Commission, welcome to North Dakota.

This spring it seems that the threat of drought is upon us. Nearly all of North Dakota, South Dakota, Nebraska, and Kansas are classified as abnormally dry or worse. NOAA announced on March 5th that El Nino finally arrived, which typically means above normal temperatures and below normal precipitation in the upper Missouri River Basin. Snow on the plains was light this winter. On April 6th, the mountain snowpack was 69 percent of average in the "Above Fort Peck" Reach and 73 percent of average in the "Fort Peck to Garrison" Reach. Mountain snowpack normally peaks near April 15th, but this year it peaked almost a month early. In the "Above Fort Peck" Reach, mountain snowpack peaked on March 9th at 72 percent of average. In the "Fort Peck to Garrison" Reach, mountain snowpack peaked on March 9th and 14th at 78 percent of average. Mountain snowpack in both of these reaches peaked lower than the peak in 2001, which is considered as having the lowest mountain snowpack within the last 20 years. The Corps' April runoff forecast predicts this year's runoff above Sioux City to be 80 percent of normal. In March, the runoff forecast predicted 97 percent of normal.

While it may be early to say with certainty that we are entering a drought, the signs point to a drier than normal year. I strongly encourage the Corps to take all reasonable measures to conserve water. While conditions can change, history shows us that droughts typically last multiple years. Conservation of water benefits the authorized purposes of recreation, fish & wildlife, hydropower, water supply and water quality upon which our communities and regional economies are dependent. Early and consistent conservation of water is critical to lessening the effects of drought.

The AOP states that during the navigation season, if there is no commercial navigation scheduled in the upper reaches of the navigation channel, the Corps would consider not providing navigation flow support in those reaches to conserve water. I strongly support the Corps' plan to conserve water and not provide navigation flow support when and where there is no navigation.

Fort Peck and Oahe are scheduled to be favored this year during the forage fish spawn, while attempting to maintain rising water levels at Garrison. Steady-to-rising pool levels are possible at the three upper reservoirs for all but the two lower runoff scenarios. I support favoring Fort Peck and Oahe and encourage the Corps to maintain a rising pool level at Garrison, if runoff is sufficient. I appreciate the Corps' efforts in managing the reservoirs for the benefit of fish and wildlife to the extent reasonably possible.

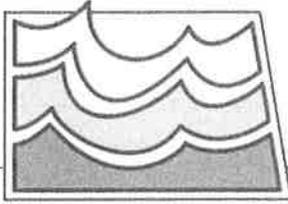
The AOP provides that system releases will be set to meet the operational requirements of water intakes to the extent reasonably possible. It also states that the Corps continues to encourage owners of inadequate intakes to make modifications that

will allow operation during drought conditions. I urge the Corps to ensure that these intakes are modified.

While it is not really an AOP issue, I remind the Corps that the State of North Dakota is adamantly opposed to any effort by the Corps to charge our water users, or interfere with water use, for water that rightfully belongs to the people of our state. The basin states and tribes have a clear right to the use of the natural flow of the Missouri River without obligation to the federal government.

LCA/1392

MAY 20, 2015



North Dakota State Water Commission

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RESOLUTION NO. 2015-05-529

In Appreciation To

Bruce Engelhardt

WHEREAS, Bruce Engelhardt began his career with the North Dakota State Water Commission in 1986 and has admirably served the people of North Dakota for over 29 years as a Water Resource Engineer, Chief of the Investigations Section, and since 2011 - as Director of the Water Development Division; and

WHEREAS, Bruce has provided the North Dakota State Water Commission and its staff, the State Engineer, and many of the state's past and present leaders with outstanding vision, guidance, and technical expertise to improve water management and facilitate water development across the state; and

WHEREAS, Bruce's tireless devotion to the decades-long flooding crisis in the Devils Lake region resulted in the completion and ongoing operation of the west and east Devils Lake outlets, and more importantly through those efforts, helped to instill hope for a brighter future in the greater Devils Lake region; and

WHEREAS, Bruce's knowledge about the Missouri River system and its operation, and his involvement with the Master Manual revision, surplus water and water reallocation challenges, and sovereign land management have contributed to greatly improved management and protection of one of North Dakota's most valuable resources – the Missouri River; and

WHEREAS, Bruce's advice and unwavering resolve during the statewide flood-fighting efforts of 1997, 2009, 2010, and 2011 resulted in the protection of people and property along many of the state's water courses; and

WHEREAS, Bruce's representation of the State Water Commission and Office of the State Engineer have earned him multiple awards and the respect and admiration of his peers; and

WHEREAS, Bruce is retiring as Director of the Water Development Division on June 4, 2015.

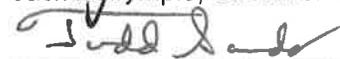
NOW, THEREFORE, BE IT RESOLVED that Governor Jack Dalrymple, other members of the North Dakota State Water Commission, State Engineer Todd Sando, and the Water Commission staff, assembled this 20th day of May, 2015, in Bismarck, North Dakota, hereby convey their gratitude and appreciation to Bruce Engelhardt for his admirable and dedicated service to the people of the Great State of North Dakota as an employee of the State Water Commission; and

BE IT FURTHER RESOLVED that we wish Bruce the best of health and happiness in the future.

FOR THE NORTH DAKOTA STATE WATER COMMISSION:




Jack Dalrymple, Governor-Chairman


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