



North Dakota State Water Commission

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**Meeting To Be Held At
State Office Building
900 East Boulevard Avenue
Lower Level Conference Room
Bismarck, North Dakota**

**October 6, 2015
1:30 P.M., CDT**

AGENDA

- A. Roll Call
- B. Consideration of Agenda --- *Information pertaining to the agenda items is available on the State Water Commission's website at <http://www.swc.nd.gov>*
- C. **Consideration of Draft Minutes of Following SWC Meetings:**
 - 1) **July 29, 2015 State Water Commission Meeting** **
- D. State Water Commission Financial Reports:
 - 1) Agency Program Budget Expenditures
 - 2) 2015-2017 Biennium Resources Trust Fund and Water Development Trust Fund Revenues
 - 3) USDA-APHIS North Dakota Wildlife Service
 - 4) Missouri River Correctional Center/Fox Island Flood Control
- E. Consideration of Following Requests for State Cost Participation:
 - 1) **City of Dickinson Water Supply Improvements** **
 - 2) **City of Mandan Water Supply Improvements** **
 - 3) **City of Minot Water Supply Improvements** **
 - 4) **City of Watford City Water Supply Improvements** **
 - 5) **City of West Fargo Water Supply Improvements** **
 - 6) **City of Williston Water Supply Improvements** **
 - 7) **Western Area Water Supply Project** **
 - 8) **Northeast Regional Water District, ABM Pipeline, Phase I** **
 - 9) **Stutsman Rural Water District, Phase V** **
 - 10) **North Prairie Rural Water District, Storage and Water Mains** **
 - 11) **North Dakota Irrigation Association** **
 - 12) **Thompson Bridge Outlet No. 4 - Griggs County** **
 - 13) **Robinwood Bank Stabilization - Ward County** **
 - 14) **Upper Swan Creek Channel Improvements - Cass County** **
 - 15) **Forest River Watershed Study - Walsh County** **
 - 16) **North Branch Park River NRCS Watershed** **
- F. **2015 Federal Municipal, Rural and Industrial Water Supply Funding:**
 - 1) **McLean-Sheridan Water District - Blue and Brush Lakes** **
- G. Fargo Moorhead Area Diversion Project Update

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- H. Mouse River Enhanced Flood Protection Project Update
- I. Southwest Pipeline Project:
 - 1) Project Update
 - 2) ***Southwest Pipeline Project Funding Appropriation*** **
 - 3) ***Contract 3-2D, Dickinson 6 MGD Water Treatment Plant*** **
- J. Northwest Area Water Supply Project
- K. Garrison Diversion Conservancy District
- L. Devils Lake Hydrologic and Projects Update
- M. Missouri River Update
- N. North Dakota State Water Commission Cost-Share Policy, Procedure, and General Requirements
- O. Other Business:
 - 1) Legislative Interim Water Topics Overview Committee and State Water Commission Joint Meeting - November 4, 2015
- P. Adjournment

**** BOLD, ITALICIZED ITEMS REQUIRE SWC ACTION**

To provide telephone accessibility to the State Water Commission meeting for those people who are deaf, hard of hearing, deaf and/or blind, and speech disabled, please contact Relay North Dakota, and reference ... TTY-Relay ND ... 1-800-366-6888, or 711.

MINUTES

North Dakota State Water Commission Bismarck, North Dakota

October 6, 2015

The North Dakota State Water Commission held a meeting at the State Office Building, Bismarck, North Dakota, on October 6, 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
Maurice Foley
Larry Hanson
George Nodland
Harley Swenson
Robert Thompson
Douglas Vosper

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 October 6, 2015 State Water Commission meeting was presented. The agenda was modified to include a discussion relative to providing the Commission meeting materials electronically.

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

**CONSIDERATION OF DRAFT MINUTES
OF JULY 29, 2015 STATE WATER
COMMISSION MEETING - APPROVED**

The draft final minutes of the July 29, 2015 State Water Commission meeting were approved by the following motion:

It was moved by Commissioner Berg, seconded by Commissioner Thompson, and unanimously carried, that the draft final minutes of the July 29, 2015 State Water Commission meeting be approved as prepared.

**STATE WATER COMMISSION -
PROGRAM BUDGET EXPENDITURES
AND CONTRACT FUND ALLOCATIONS,
2013-2015 AND 2015-2017 BIENNIUMS**

In the 2013-2015 biennium, the State Water Commission had two line items - administrative and support services, and water and atmospheric resources expenditures. The allocated program expenditures ending the 2013-2015 biennium were presented. **SEE APPENDIX "A"**

In the 2015-2017 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 August 31, 2015 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.

In July, 2015, a new division of the State Water Commission was created separating the functions of the agency's Water Development Division. Craig Odenbach, former State Water Commission employee from 1985-2004, was introduced as the Water Development Division Director. John Paczkowski was promoted to the Regulatory Division Director.

The Contract Fund for the 2013-2015 and 2015-2017 bienniums, **APPENDIX "B"**, provides information on the committed and uncommitted funds from the Resources Trust Fund and the Water Development Trust Fund. The August, 2015 Contract Fund total allocation for projects is \$390,995,212 with expenditures of \$18,011,035.

**RESOURCES TRUST FUND
AND WATER DEVELOPMENT
TRUST FUND REVENUES,
2015-2017 BIENNIUM**

Oil extraction tax deposits into the Resources Trust Fund total \$29,995,506 through September, 2015, and are currently \$25,066,327 above budgeted revenues. It was explained that the budgeted revenues were based on a legislative revenue forecast that assumed the tax reduction trigger would have been in effect for the first six months of the biennium and

that normal distributions would be received for the remainder of the biennium. However, the trigger did not go into effect, which resulted in the legislature eliminating the trigger and reducing the extraction rate, effective January 1, 2016. Consequently, the revenues will be above the budgeted figures for the first six months, but will then likely fall short of projections for the remainder of the biennium.

No deposits have been received for the Water Development Trust Fund (tobacco settlement) in the 2015-2017 biennium. The first planned deposit is for \$8,900,000 in April, 2016.

**2015 SENATE BILL 2009 -
LEGISLATIVE EARMARK (\$250,000)
TO USDA-APHIS-NORTH DAKOTA
WILDLIFE SERVICE TO SUPPORT
WILDLIFE SERVICES PROGRAM
(SWC Project No. 1986)**

The 2015 North Dakota Legislature mandated legislative intent in Senate Bill 2009, Section 6 of the North Dakota Department of Agriculture's appropriation bill for the 2015-2017 biennium "... includes the sum of \$250,000 which the state water commission shall

transfer to the agriculture commissioner for the wildlife services program, for the biennium beginning July 1, 2015 and ending June 30, 2017... ."

The project is a cooperative agreement between the North Dakota Department of Agriculture, North Dakota Game and Fish Department, North Dakota State Water Commission, and the United States Department of Agriculture Animal and Plant Health Inspection Wildlife Services. The Commission members were informed of the process for compliance with the legislative obligation.

**2015 SENATE BILL 2020 -
LEGISLATIVE EARMARK (\$1,200,000)
TO BURLEIGH COUNTY WATER
RESOURCE DISTRICT TO SUPPORT
MISSOURI RIVER CORRECTIONAL
CENTER FLOOD CONTROL PROJECT
(SWC Project No. 1992)**

Section 15 of 2015 Senate Bill 2020 states, "There is appropriated out of any moneys in the state disaster relief fund in the state treasury, the sum of \$4,000,000, or so much of the sum as may be necessary, to the state water commission, for the purpose of providing funding for levee projects for the

biennium beginning July 1, 2015, and ending June 30, 2017. Of the funds the state water commission shall make available \$1,200,000 for a levee for the Missouri River correctional center, and \$2,800,000, for a levee for Lincoln township's Fox Island area."

The Burleigh County Water Resource District is proceeding with the design and construction of the Missouri River Correctional Center flood control project. The project has been progressing through the development process since the Missouri River flood of 2011. Following a positive assessment vote, the project design is currently being finalized with the intent to advertise for bids in early 2016, followed by a spring construction start and completion in the fall of 2016.

A request from the Burleigh County Water Resource District was received on September 25, 2015 that the allocation of \$1,200,000 earmarked in 2015 Senate Bill 2020 be made available for the Missouri River correctional center project. The Commission members were informed of the process for compliance with the legislative obligation to the Burleigh County Water Resource District.

**CITY OF DICKINSON 2015 WATER
SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$1,042,500)
(SWC Project No. 2050-DIK)**

A request from the City of Dickinson was presented for the State Water Commission's consideration for a state cost participation grant for the design and construction of water supply infrastructure improvements to address population growth. The proposed water main to north annexation project involves connections for recently annexed subdivisions in north Dickinson. The estimated eligible cost is \$1,800,000.

The request from the City of Dickinson included the State Water Commission's consideration for a state cost participation grant for the north tank project that involves construction of a new elevated tower to meet the demands in north Dickinson. The preliminary engineering, design and land acquisition is anticipated in 2016, construction in late 2016 and 2017, with the majority of construction in the 2017-2019 biennium. The estimated eligible costs are \$4,000,000. Because the funding will not be needed until the 2017-2019 biennium, the State Water Commission did not take action on the request at this meeting.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$1,042,500 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Dickinson to support their 2015 water system improvements (water mains to north annexation project).

It was moved by Commissioner Swenson and seconded by Commissioner Nodland that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$1,042,500 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Dickinson to support their 2015 water system improvements (water mains to north annexation project). 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.

**CITY OF MANDAN 2015 WATER
SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$2,290,175)
(SWC Project No. 2050-MAN)**

A request from the City of Mandan was presented for the State Water Commission's consideration for a state cost participation grant for the design and construction of water supply infrastructure improvements for the following

projects to address population growth and the increasing demand for quality water. The city provides water to the Missouri West Water System in Morton county and to Captains Landing, a rural residential community located south of Interstate 94 on the Missouri River:

- 1) **High Service Optimization, Phase I, project** involves the installation of new controls, instrumentation, and pumps to increase the firm capacity of the existing pump station. The eligible costs are \$3,226,203, with pre-construction engineering eligible costs of \$252,000, and construction engineering and construction eligible costs of \$2,974,203;
- 2) **Instrumentation and Controls Upgrades project** involves integrating five pump stations/reservoir into the overall water system to accurately monitor and adjust the system variables for pump stations, meters and check points. The eligible costs are \$277,500, with pre-construction engineering eligible costs of \$18,750, and construction engineering and construction eligible costs of \$258,750; and
- 3) **Sunset Booster Station Pumps project** involves new controls, instrumentation, and pumps to ensure the pump station can meet the flow demands from new growth areas. The eligible costs are \$438,630 with pre-construction engineering eligible costs of \$30,150, and construction engineering and construction eligible costs of \$408,480.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$2,290,175 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Mandan to support their 2015 water system improvements projects.

It was moved by Commissioner Foley and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$2,290,175 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Mandan to support their 2015 water system improvements 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.

***CITY OF MINOT 2015 WATER
SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$3,634,000)
(SWC Project No. 2050-MIN)***

A request from the City of Minot was presented for the State Water Commission's consideration for a state cost participation grant for the design and construction of water supply infrastructure improvements for the following

projects to address current and future water demands resulting from population growth:

- 1) North Minot Water Tank project*** involves construction of a new 1.5 million gallon elevated storage tank to meet the demands in the north pressure zone. The eligible costs are \$4,167,262, with pre-construction engineering eligible costs of \$223,246, and construction engineering and construction eligible costs of \$3,944,016; and
- 2) Northeast Water Transmission Line project*** involves the installation of 16-inch water mains along 30th Avenue NE, 13th Street NE, and 46th Avenue NE to 10th Street NE to connect two pressure zones to ensure the water supply is available in the growing northeast area of Minot. The eligible costs are \$2,027,276, with pre-construction engineering eligible costs of \$107,643 and construction engineering and construction eligible costs of \$1,919,633.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,634,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Minot to support their 2015 water system improvements projects.

It was moved by Commissioner Foley and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,634,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Minot to support their 2015 water system improvements 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.

***CITY OF WATFORD CITY 2015
WATER SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$5,435,087)
(SWC Project No. 2050-WAT)***

A request from the City of Watford City was presented for the State Water Commission's consideration for a state cost participation grant for the design and construction of water supply infrastructure improvements for the following

projects to address the continued growth from oil exploration and production:

- 1) ***17th Avenue NW Water Main Between Main Street and 14th Street NW project*** involves 5,280 feet of 12-inch pipeline to complete a water main loop for the distribution system to supply water to new users in areas north and west of the city. The eligible costs are \$776,589, with pre-construction engineering eligible costs of \$77,659, and construction engineering and construction eligible costs of \$698,930;
- 2) ***24th Avenue SE Water Main project*** involves 6,600 feet of 12-inch pipeline to complete a water main loop for the distribution system and supply water to the proposed southeast water tower. The eligible costs are \$1,262,476, with pre-construction engineering eligible costs of \$126,247, and construction engineering and construction eligible costs of \$1,136,229;
- 3) ***Highway 23 Bypass Loop project*** involves 2,400 feet of 8-inch pipeline to provide additional flow for water users in the southeast portion of the city. The eligible costs are \$416,416, with pre-construction engineering eligible costs of \$41,642, and construction engineering and construction eligible costs of \$374,774;

- 4) **Southeast Water Tower project** involves the construction of a new 2.5 million gallon tower to meet the demands in the southeast pressure zone. The eligible costs are \$4,163,387, with pre-construction engineering eligible costs of \$416,339, and construction engineering and construction eligible costs of \$3,747,048;
- 5) **12th Street NE Water Main Between Highway 23 and 17th Avenue North project** involves 5,280 feet of 12-inch pipeline to complete a water main loop for the distribution system to supply water to users in areas north and east of the city. The eligible costs are \$771,845, with pre-construction engineering eligible costs of \$77,184, and construction engineering and construction eligible costs of \$694,661;
- 6) **12th Street SE Water Main Between 24th Avenue SE and 11th Avenue SE project** involves 5,280 feet of 16-inch pipeline to supply water to users in areas south and east of the city and supply water to the proposed southeast water tower. The eligible costs are \$670,328, with pre-construction engineering eligible costs of \$67,033, and construction engineering and construction eligible costs of \$603,295;
- 7) **14th Street West Water Main Between Highway 85 and 4th Avenue North project** involves 2,600 feet of 12-inch pipeline to supply water to users in areas north and west of the city. The eligible costs are \$350,958, with pre-construction engineering eligible costs of \$35,096, and construction engineering and construction eligible costs of \$315,862;
- 8) **14th Street West Water Main Between 4th Avenue North and 10th Avenue North project** involves 2,650 feet of 12-inch pipeline to supply water to users in areas north and west of the city. The eligible costs are \$304,163 with pre-construction engineering eligible costs of \$30,416, and construction engineering and construction eligible costs of \$273,747;
- 9) **14th Street West Water Main Between Highway 85 and 17th Avenue South project** involves 5,440 feet of 12-inch to 8-inch pipeline to supply water to users in areas south and west of the city. The eligible costs are \$328,731, with pre-construction engineering eligible costs of \$32,873, and construction engineering and construction eligible costs of \$295,858; and
- 10) **14th Street NW Water Main Between 10th Avenue NW and 17th Avenue NW project** involves 2,640 feet of 12-inch pipeline to supply water to users in areas north and west of the city. The eligible costs are \$407,432, with pre-construction engineering eligible costs of \$40,743, and construction engineering and construction eligible costs of \$366,689.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$5,435,087 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Watford City to support their 2015 water system improvements projects.

It was moved by Commissioner Foley and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$5,435,087 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Watford City to support their 2015 water system improvements 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.

**CITY OF WEST FARGO 2015
WATER SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$3,426,210)
(SWC Project No. 2050-WES)**

A request from the City of West Fargo was presented for the State Water Commission's consideration for a state cost participation grant for the construction engineering and construction of water supply infrastructure improve-

ments for the following projects to address growth and the increasing demand for quality water:

- 1) ***Water Distribution System for Sheyenne Street and 52nd Avenue West project*** involves the installation of 16-inch pipeline to supply water for a growth area in the southwest area of the city. The eligible costs are \$928,700, all of which consists of construction engineering and construction costs to be cost shared at 60 percent; and
- 2) ***South Side Water Tower project*** involves construction of a 2.0 million gallon elevated water tower to meet the demands in the city. The eligible costs are \$4,781,650, all of which consists of construction engineering and construction costs to be cost shared at 60 percent.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,426,210 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with construction engineering and construction eligible costs funded at 60 percent, to the City of West Fargo to support their 2015 water system improvements projects.

It was moved by Commissioner Foley and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,426,210 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with construction engineering and construction eligible costs funded at 60 percent, to the City of West Fargo to support their 2015 water system improvements 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.

**CITY OF WILLISTON 2015
WATER SYSTEM IMPROVEMENTS -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$10,890,472)
(SWC Project No. 2050-WLL)**

A request from the City of Williston was presented for the State Water Commission's consideration for a state cost participation grant for the design and construction of water supply infrastructure improvements for the following

projects to address the continued growth from oil exploration and production:

- 1) ***11th Street Water Main Between 32nd Avenue and 139th Avenue project*** involves 12-inch pipeline to extend a water main for the distribution system to supply water for a growth area west of the city. The eligible costs are \$704,639, with pre-construction engineering eligible costs of \$70,464, and construction engineering and construction eligible costs of \$634,175;
- 2) ***16th Avenue Water Main Between 50th Street and 58th Street project*** involves 12-inch pipeline to extend a water main for the distribution system to supply water for a growth area north of the city. The eligible costs are \$817,370, with pre-construction engineering eligible costs of \$81,737, and construction engineering and construction eligible costs of \$735,633;

- 3) **High School Area Improvements Water Main project** along 26th Street and 44th Avenue involves the installation of an 18-inch pipeline to extend a water main to supply water to the new high school to serve the growing population. The eligible costs are \$1,633,204, with pre-construction engineering eligible costs of \$163,320, and construction engineering and construction eligible costs of \$1,469,884;
- 4) **Wegley Green Acres project** involves construction of extensions and connections for recently annexed township subdivisions from the existing rural water system. The eligible costs are \$1,813,740, with pre-construction engineering eligible costs of \$181,374, and construction engineering and construction eligible costs of \$1,632,366;
- 5) **Williston Park Water Supply project** involves construction of extensions and connections for recently annexed township subdivisions from the existing rural water system. The eligible costs are \$983,800, with pre-construction engineering eligible costs of \$98,380, and construction engineering and construction eligible costs of \$885,420;
- 6) **West Reservoirs project** involves the construction of 5.0 million gallons of storage in reservoirs and elevated towers to meet the demands in the western area of the city. The eligible costs are \$6,500,000, with pre-construction engineering eligible costs of \$650,000, and construction engineering and construction eligible costs of \$5,850,000;
- 7) **26th Street Water Main project** is from 140th Avenue to the west truck bypass and involves the installation of a 16-inch pipeline to extend the distribution system to supply water for population growth. The eligible costs are \$1,400,000, with pre-construction engineering eligible costs of \$140,000, and construction engineering and construction eligible costs of \$1,260,000; and
- 8) **Hi-Lands Water Supply project** involves the construction of extensions and connections for recently annexed township subdivisions from the existing rural water system. The eligible cost is \$5,087,200, with pre-construction engineering eligible costs of \$508,720, and construction engineering and construction eligible costs of \$4,578,480.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$10,890,472 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Williston to support their 2015 water system improvements projects.

It was moved by Commissioner Foley and seconded by Commissioner Thompson that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$10,890,472 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 60 percent, to the City of Williston to support their 2015 water system improvements 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.

WESTERN AREA WATER SUPPLY (WAWS) PROJECT - APPROVAL OF OVERALL PLAN, PHASE IV PROJECTS; APPROVAL OF ADDITIONAL FUNDS - STATE COST PARTICIPATION GRANT (\$60,000,000); AND LOAN (\$10,000,000) (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 \$39,000,000, with 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 August 31, 2015 capital accounting report indicates Phases I-IV cost estimates at \$312,785,826, contracted amounts to-date at \$241,678,190, and actual to-date expenses at \$215,218,253. The previously approved funding for the Western Area Water Supply project is \$229,000,000, with \$189,500 in loans managed by the Bank of North Dakota, and grants of \$39,500,000 from the State Water Commission.

A request from the Western Area Water Supply Authority was presented for the State Water Commission's consideration for state cost participation and approval of the overall plan of the following Phase IV projects:

- 1) BDW, Part 1 Alternate 1 Rural Distribution;
- 2) McKenzie County Water Resource District, System 1 - Part 1 Alternate 1;
- 3) R & T, North Tioga Rural Distribution;
- 4) WRWD//R & T, Epping - Part 1 Base Rural Distribution;
- 5) WRWD/R & T, Epping - Part 1 Alternate 1 Rural Distribution;
- 6) WRWD/R & T, Epping - Part 1 Alternate 2 Rural Distribution;
- 7) WRWD, Blacktail Dam Distribution - Part 1 Alternate 1;
- 8) BDW, South Crosby Rural Distribution;
- 9) R & T, Stanley Distribution - Part 1 Rural Distribution Base;
- 10) R & T, Transmission Main - Stanley High Point Reservoir to Stanley;
- 11) R & T, Transmission Main - City of Ray;
- 12) Williston/WRWD, East Williston Transmission - Pipeline;
- 13) McKenzie County Water Resource District, Watford City South By-Pass Transmission Main;
- 14) McKenzie County Water Resource District, System 1 - Part 1 Alternate 2 and Alternate 3;
- 15) R & T, Transmission Main - Tioga High Point Reservoir to Tioga;
- 16) R & T, Stanley Distribution - Part 1 Alternate 1;
- 17) R & T/WSCA, White Earth West Rural Distribution Part 1 Base; and
- 18) Williston WTP Pretreatment Chemical Feed/Controls.

The total estimated cost for these projects is \$79,058,000.

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; approve a state cost participation grant not to exceed a total allocation of \$60,000,000 of the eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering costs funded at 35 percent, and construction engineering and construction costs funded at 75 percent; and approve a one and one-half percent interest rate with a 20-year term loan in the amount of \$10,000,000 from the State Water Commission's Infrastructure Revolving Loan Fund, to the Western Area Water Supply Authority for the proposed Phase IV projects and any remaining Phase III construction costs.

It was moved by Commissioner Berg and seconded by Commissioner Vosper that the State Water Commission:

- 1) approve the Western Area Water Supply project overall plan to include the proposed projects submitted for Phase IV design and construction in the 2015-2017 biennium;***

approve a state cost participation grant not to exceed a total allocation of \$60,000,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020) to the Western Area Water Supply Authority to fund the proposed Phase IV projects and any remaining Phase III construction costs as follows:

a) approve a 35 percent state cost participation grant of the pre-construction engineering eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020); and

b) approve a 75 percent state cost participation grant of the construction engineering and construction eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020). These actions are contingent upon the availability of funds; and

3) approve a loan in the amount of \$10,000,000 from the State Water Commission's Infrastructure Revolving Loan Fund, managed by the Bank of North Dakota at an interest rate of one and one-half percent with a 20-year term, to the Western Area Water Supply Authority to support the proposed Phase IV projects and any remaining Phase III construction costs.

These actions increase the total funding to \$299,000,000 (\$199,500,000 loan managed by the Bank of North Dakota, and \$99,500,000 state cost participation grants) to the Western Area Water Supply Authority to support Phases I-IV.

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.

NORTHEAST REGIONAL WATER DISTRICT, LANGDON RURAL WATER DISTRICT, ABM PIPELINE, PHASE I - APPROVAL FOR ADDITIONAL PIPELINE (NO ADDITIONAL FUNDS) (SWC Project No. 2050-NOE)

On October 7, 2013, the State Water Commission adopted a motion to approve a state cost participation grant of 50 percent of the eligible costs, not to exceed an allocation of \$1,040,000 from the funds appropriated to the State Water Commission in the 2013-2015

biennium (H.B. 1020) to the Langdon Rural Water District to support the ABM, Phase I project. The project improves the system capacity between the North Valley Water District and the Langdon Rural Water District.

On January 1, 2014, the North Valley Water District merged with the Langdon Rural Water District to form the Northeast Regional Water District.

Because the local funding included crop reimbursement as an eligible cost, the State Water Commission adopted a motion on March 11, 2015, approving a one-time adjustment to participate in 50 percent of the actual eligible costs on crop reimbursement, not to exceed \$14,525 from the previously approved funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020) to the Northeast Regional Water District to support the Langdon Rural Water District ABM pipeline replacement.

In order to comply with the legislative mandate in 2015 Senate Bill 2020 authorizing the State Water Commission to make funds available to rural and municipal water systems that were affected by local cost share changes during the 2013-2015 biennium, the State Water Commission adopted a motion approving a one-time adjustment that would provide an additional 15 percent state cost participation grant of the eligible costs not to exceed an additional allocation of \$312,420 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Northeast Regional Water District to support the ABM Project, Phase I. This action increased the total state allocation grants to \$1,352,420 to the Northeast Regional Water District, ABM Project, Phase I.

To complete the interconnection project, the Northeast Regional Water District requested the installation of an additional 13,000 feet of 6-inch pipeline be included in the existing construction contract at an estimated cost of \$162,500. Installation of the pipeline would make a connection near the Langdon branch south reservoir allowing the northern portion of the Langdon branch to be served from the North Valley Akra water treatment plant rather than from the city of Langdon's water treatment plant. Because of low unit bid prices and project cost savings during previous construction, adequate funds are available from the previously approved actions of the State Water Commission. A request from the Northeast Regional Water District was presented for the State Water Commission's consideration to authorize the expenditure of \$162,500 from previously approved funds for the installation of an additional 13,000 feet of 6-inch pipeline to the ABM Pipeline, Phase I contract. No additional state cost participation funding was requested.

It was the recommendation of Secretary Sando that the State Water Commission approve, utilizing previously approved funds, the installation of an additional 13,000 feet of 6-inch pipeline for the Langdon Rural Water District, ABM Pipeline, Phase I project.

It was moved by Commissioner Berg and seconded by Commissioner Nodland that the State Water Commission approve, utilizing previously approved funds by the State Water Commission, the installation of an additional 13,000 feet of 6-inch pipeline for the Langdon Rural Water District, ABM Pipeline, Phase I project.

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.

***STUTSMAN RURAL WATER DISTRICT,
EXPANSION PROJECT, PHASE V -
APPROVAL OF ADDITIONAL
STATE COST PARTICIPATION
GRANT (\$4,170,100)
(SWC Project No. 237-03STU)***

The Stutsman Rural Water District is developing expansions to address inadequacies in the rural system which limits their ability for the addition of rural water users. The system initially served 1,200 rural users, the cities of Cleveland and Montpelier, and the Northern Prairie Wildlife Research Center. On March 11,

2004, the State Water Commission passed a motion to approve a 65 percent grant not to exceed \$24,700 from the Garrison Diversion Conservancy District Water Development and Research Fund for the Stutsman County Rural Water hydraulic model and feasibility study. On March 10, 2005, the State Water Commission approved a 5 percent grant, not to exceed an allocation of \$83,500 from the Garrison Diversion Conservancy District Water Development and Research Fund, for the Stutsman Rural Water District infrastructure improvements project. On June 22, 2005, the Commission passed a motion to increase the grant to 10 percent of the eligible costs.

Other previous State Water Commission funding actions include:

On June 21, 2011, the State Water Commission approved a 70 percent grant, not to exceed an additional allocation of \$6,800,000 from the funds appropriated to the State Water Commission in the 2011-2013 biennium (S.B. 2020), to support the 2011 expansion project, Phase II, involving 298 miles of 8" to 1.5" pipeline for 90 rural users and service capacity to the northern Stutsman area and the city of Woodworth.

On February 27, 2013, the State Water Commission approved a 70 percent grant, not to exceed an additional allocation of \$2,500,000 for the Phase II-B expansion project for west central Stutsman county for an area between Woodworth and southeast to Windsor involving 76 miles of 8" to 1.5" pipeline for 244 rural users and a 250,000 gallon storage tank;

and a 75 percent grant not to exceed an additional allocation of \$7,500,000 from the supplemental funds appropriated to the State Water Commission in the 2011-2013 biennium through 2011 House Bill 1269 for the Phase III expansion project involving 270 miles of 8" to 1.5" pipeline for 330 rural users and service to the city of Streeter.

On July 23, 2013, the State Water Commission approved a 75 grant not to exceed an additional allocation of \$650,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for Phase III that involved 32 miles of 4" to 1.5" pipeline for 17 rural users in Kidder county;

and a 75 percent grant not to exceed an additional allocation of \$557,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for Phase II-B for the Carrington area involving 35 miles of 3" to 1.5" pipeline for 27 rural users.

On March 17, 2014, the State Water Commission approved a 75 percent grant not to exceed an additional allocation of \$1,400,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for Phase II of the 2014 expansion project.

On September 15, 2014, the State Water Commission approved a 70 percent grant not to exceed an additional allocation of \$1,109,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the 2014 expansion project, Phase II-B; and

On September 15, 2014, the State Water Commission approved a 75 percent state cost participation grant not to exceed an additional allocation of \$1,046,000 from the funds appropriated to the State Water Commission in the 2013-2015 biennium (H.B. 1020), for the 2014 expansion project, Phase III.

On July 29, 2015, the State Water Commission approved a 75 percent state cost participation grant not to exceed an additional allocation of \$1,050,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), for the 2015 expansion project, Phase III. These actions increased the total state allocation grants to \$22,612,000 (June 21, 2011 through July 29, 2015).

A request from the Stutsman Rural Water District was presented for the State Water Commission's consideration for state cost participation for their expansion project, Phase V. The proposed project will provide service to approximately 65 additional users in eastern Stutsman county and around the city of Jamestown, and increase the water supply and storage. The project engineer's estimated cost is \$5,881,000, which is determined eligible for state cost participation.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total additional allocation of \$4,170,100 of the eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 75 percent, to the Stutsman Rural Water District to support the Phase V project.

It was moved by Commissioner Goehring and seconded by Commissioner Nodland that the State Water Commission approve a state cost participation grant not to exceed a total additional allocation of \$4,170,100 of the eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 75 percent, to the Stutsman Rural Water District to support the Phase V project. This approval is contingent upon the availability of funds, and subject to future revisions.

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 allocation grants to \$26,782,100 to the Stutsman Rural Water District (July 21, 2011 through October 6, 2015).

NORTH PRAIRIE RURAL WATER DISTRICT, STORAGE AND WATER MAINS PROJECT - APPROVAL OF STATE COST PARTICIPATION GRANT (\$3,459,837) (SWC Project No. 2050-NOR)

Minot, and on-ground storage near the old radar base. These projects address current and future water demands resulting from population growth. The project engineer's estimated cost is \$4,789,502, which is determined eligible for state cost participation.

A request from the North Prairie Rural Water District was presented for the State Water Commission's consideration for state cost participation to support the design and construction of a 10-inch water main between two pump stations, elevated storage south of the city of

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,459,837 of the eligible costs from the funds appropriated

to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 75 percent, to the North Prairie Rural Water District to support their storage and water mains project.

It was moved by Commissioner Foley and seconded by Commissioner Vosper that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$3,459,837 of the eligible costs from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), with pre-construction engineering eligible costs funded at 35 percent, and construction engineering and construction eligible costs funded at 75 percent, to the North Prairie Rural Water District to support their storage and water mains project. This approval is contingent upon the availability of funds, and subject to future revisions.

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 IRRIGATION ASSOCIATION - APPROVAL OF \$100,000 IN 2015-2017 BIENNIUM TO STRENGTHEN AND EXPAND IRRIGATION IN NORTH DAKOTA (SWC FILE AOC/IRR)

A request from the North Dakota Irrigation Association was presented for the State Water Commission's consideration for state cost participation in the amount of \$100,000 from July 1, 2015 through June 30, 2017 to strengthen and expand irrigation for economic growth in North Dakota.

The 2015 work plan priority items outlined the efforts relating to marketing, funding and finance, projects, research, energy, communication and coordination. Irrigation continues to be an opportunity for economic growth in the agricultural sector of our economy.

It was the recommendation of Secretary Sando that the State Water Commission support the efforts of the North Dakota Irrigation Association with an allocation not to exceed \$100,000 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), in pursuance of the efforts outlined in the 2015 work plan.

It was moved by Commissioner Hanson and seconded by Commissioner Goehring that the State Water Commission support the efforts of the North Dakota Irrigation Association and approve an

allocation not to exceed \$100,000 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, in pursuance of the efforts outlined in the 2015 work plan. 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.

**THOMPSON BRIDGE OUTLET NO. 4
PROJECT (GRIGGS COUNTY) -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$621,661)
(SWC Project No. 1486)**

A request from the Griggs County Water Resource District was presented for the State Water Commission's consideration for state cost participation for their Thompson Bridge Outlet No. 4 project at the July 29, 2015 Commission

meeting. The proposed project is located within Broadview Township 144 North, Range 58 West, Sections 3, 5, 6, 8, 9, 10, and 11. The objective of this project is to relieve excess floodwaters from the Griggs County Drain No. 1 (Karnak Drain) to flow east across the natural divide and into the Sheyenne River.

The project engineer's cost estimate is \$1,443,408, of which \$1,292,791 is determined eligible for a 45 percent state cost participation grant as a drain (\$581,756), and \$114,017 is determined eligible for a 35 percent state cost participation grant as design engineering on the project (\$39,905), for a total state cost participation grant of \$621,661.

It was the recommendation of Secretary Sando at the July 29, 2015 meeting that the State Water Commission approve a state cost participation grant as a drain at 45 percent of the eligible costs, and a state cost participation grant as design engineering on the project at 35 percent of the eligible costs, not to exceed a total allocation of \$621,661 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Griggs County Water Resource District to support the Thompson Bridge Outlet No. 4 project.

It was moved by Commissioner Foley and seconded by Commissioner Goehring on July 29, 2015 that the State Water Commission approve a state cost participation grant not to exceed a total allocation of \$621,661 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to be funded as a drain at 45 percent of the eligible costs, and design engineering to be funded at 35 percent of the eligible costs, to the Griggs County Water Resource District to support the Thompson Bridge Outlet No. 4 project. This action is contingent upon the availability of funds, and satisfaction of the required permits.

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Because the project remained highly contentious in nature due to the opposition from several landowners within the area who will be assessed as a result of this project, Governor Dalrymple recognized landowners to express their concerns, which included: 1) the Board did not perform an engineering analysis to determine a cost-benefit to the landowners who will be subject to the assessments, 2) previously permitted Karnak Drain has not been completed, 3) the assessments were derived unfairly without any scientific or engineering basis, and 4) the project has been responsible for socio-economic distress upon several affected landowners.

Due to insufficient information for the State Water Commission members to make an informed decision relative to the cost share request at its July 29, 2015 meeting, it was the consensus that the motion be postponed indefinitely.

On October 6, 2015, Governor Dalrymple placed the pending motion before the State Water Commission and continued the discussion relative to the proposed Thompson Bridge Outlet No. 4 project. Governor Dalrymple recognized representatives of the Griggs County Water Resource District who provided technical information relative to the project, and information was also provided by Commission members who had investigated the project. Following considerable discussion, Governor Dalrymple closed the discussion and called for the question on the pending motion.

Commissioners Foley, Goehring, Hanson, Thompson, and Governor Dalrymple voted aye. Commissioners Berg, Nodland, Swenson, and Vosper voted nay. Recorded votes were 5 ayes; 4 nays. Governor Dalrymple announced the motion carried.

***ROBINWOOD BANK STABILIZATION
PROJECT (WARD COUNTY) -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$256,449)
(SWC Project No. 1523)***

A request from the Ward County Water Resource District was presented for the State Water Commission's consideration for state cost participation for the Robinwood Bank Stabilization project.

Erosion along the Mouse River in Ward county threatened an existing adjacent Corps of Engineers flood protection levee. The flood control levee provides protection to the Robinwood rural subdivision west of Minot in Section 18, Township 155 North, Range 83 West. As part of the System Wide Improvement Framework in response to deficiencies identified in the Corps of Engineers 2014 annual levee inspection, this project has been designated as urgent and compelling. This designation resulted in the project being identified as the highest priority of issues to be addressed.

The project will entail stabilization of the bank and re-establishment of the Corps of Engineers levee setback distances with a total distance of approximately 300 feet along the Mouse River. The project sponsor anticipates completion of the design in 2015 with construction to occur during the 2016 season.

The project engineer's cost estimate is \$559,728, of which \$453,038 is determined eligible as a bank stabilization project at 50 percent of the eligible costs (\$226,519), and \$85,514 is determined eligible for state cost participation at 35 percent for pre-construction engineering eligible costs (\$29,930), for a total state cost participation of \$256,449.

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a bank stabilization project at 50 percent of the eligible costs, and 35 percent of the eligible costs for pre-construction engineering, not to exceed a total allocation of \$256,449 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Ward County Water Resource District to support the Robinwood Bank Stabilization project.

It was moved by Commissioner Foley and seconded by Commissioner Vosper that the State Water Commission approve a state cost participation grant as a bank stabilization project at 50 percent of the eligible costs, and 35 percent of the eligible costs for pre-construction engineering, not to exceed a total allocation of \$256,449 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Ward County Water Resource District to support the Robinwood Bank Stabilization 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.

**UPPER SWAN CREEK
CHANNEL IMPROVEMENTS
PROJECT (CASS COUNTY) -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$171,763)
(SWC Project No. 710)**

A request from the Maple River Water Resource District was presented for the State Water Commission's consideration for state cost participation for the Upper Swan Creek Channel Improvements project.

The proposed project is approximately one mile of an existing channel located northwest of the city of Casselton. The channel was originally constructed as a federal project and is currently owned and maintained by the Maple River Water Resource District. The segment of the drainage channel within the scope of the project begins upstream of the Cass County Highway 10 crossing and continues upstream to the quarter-section line of Section 28 in Casselton township.

The channel has experienced significant channel bottom erosion and sliding on the side slopes due to the steep gradient. The channel will be reconstructed with a 10-foot bottom and 4:1 side slopes. The project engineer's cost estimate is \$975,000, of which \$365,491 is determined eligible as a rural flood control project at 45 percent, and \$20,835 is determined eligible as pre-construction engineering at 35 percent, for a total state cost participation grant of \$171,763.

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, and 35 percent of the eligible costs for pre-construction engineering, not to exceed a total allocation of \$171,763 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Maple River Water Resource District to support the Upper Swan Creek Channel Improvements project.

It was moved by Commissioner Thompson and seconded by Commissioner Berg that the State Water Commission approve a state cost participation grant as a rural flood control project at 45 percent of the eligible costs, and 35 percent of the eligible costs for pre-construction engineering, not to exceed a total allocation of \$171,763 from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Maple River Water Resource District to support the Upper Swan Creek Channel Improvements 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.

**FOREST RIVER WATERSHED
STUDY (WALSH COUNTY) -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$114,100)
(SWC Project No. 2060)**

A request from the Walsh County Water Resource District was presented for the State Water Commission's consideration for state cost participation for the Forest River Watershed study.

The proposed study is one of the 20 accepted proposals by the Red River Retention Authority for the Natural Resources Conservation Service-Regional Conservation Partnership program funding, which will evaluate the effects and feasibility of retention in the middle branch of the Forest River watershed. The study will also evaluate how retention can be used to augment discharges from upstream closed basins during low flow periods in the Forest River, and evaluate potential new sites as well as enhancements to the existing Matejcek Dam.

The project engineer's cost estimate is \$826,000, of which the Natural Resources Conservation Service will contribute \$500,000. All of the remaining costs of \$326,000 are determined eligible for state cost participation at 35 percent (\$114,100).

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a feasibility study at 35 percent of the eligible costs (\$114,100) from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Walsh County Water Resource District to support the Forest River Watershed study.

It was moved by Commissioner Vosper and seconded by Commissioner Berg that the State Water Commission approve a state cost participation grant as a feasibility study at 35 percent of the eligible costs (\$114,100) from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Walsh County Water Resource District to support the Forest River Watershed study. 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 BRANCH PARK RIVER
NRCS WATERSHED STUDY -
APPROVAL OF STATE COST
PARTICIPATION GRANT (\$81,200)
(SWC Project No. 2059)**

A request from the Park River Joint Water Resource District was presented for the State Water Commission's consideration for state cost participation for the North Branch Park River NRCS Watershed study.

The proposed study is one of the 20 accepted proposals by the Red River Retention Authority for the Natural Resources Conservation Service-Regional Conservation Partnership program funding. Significant work to develop the technical tools was previously started within the project area but was halted in order for the District to capitalize on the potential funding opportunity through the NRCS program funding. These tools include an integrated modeling framework using HEC-HMS and HEC-RAS to evaluate benefits to local problem areas for a range of synthetic modeling scenarios. This modeling framework is sufficient to determine flood risk benefits for the required cost-benefit analysis.

The project engineer's cost estimate is \$732,000, of which the Natural Resources Conservation Service will contribute \$500,000. All of the remaining costs of \$232,000 are determined eligible for state cost participation at 35 percent (\$81,200).

It was the recommendation of Secretary Sando that the State Water Commission approve a state cost participation grant as a feasibility study at 35 percent of the eligible costs (\$81,200) from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Park River Joint Water Resource District to support the North Branch Park River NRCS Watershed study.

It was moved by Commissioner Foley and seconded by Commissioner Berg that the State Water Commission approve a state cost participation grant as a feasibility study at 35 percent of the eligible costs (\$81,200) from the funds appropriated to the State Water Commission in the 2015-2017 biennium (S.B. 2020), to the Park River Joint Water Resource District to support the North Branch Park River NRCS Watershed study. 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.

**2015 FEDERAL FISCAL YEAR
MR&I WATER SUPPLY PROGRAM -
APPROVAL OF ADDITIONAL FUNDING
FOR MCLEAN-SHERIDAN WATER
DISTRICT, BRUSH AND BLUE LAKES
REGIONAL SERVICE AREA (\$160,000)
(SWC Project No. 1782/237-03)**

On February 27, 2013, the State Water Commission adopted a motion approving state cost participation of a 50 percent grant, not to exceed an allocation of \$800,000 from the following funding sources for McLean-Sheridan Water District for the Brush and Blue Lakes Regional Service Area: 1) a grant

allocation not to exceed \$100,000 from the supplemental funds appropriated to the State Water Commission in the 2011-2013 biennium through House Bill 1269; and 2) a grant allocation not to exceed \$700,000 from the Water Development and Research Fund administered by the Garrison Diversion Conservancy District.

2014 federal Fiscal Year MR&I grant funds were recommended in the amount of \$575,000 for the McLean-Sheridan Water District, Brush and Blue Lakes Regional Service Area. On May 29, 2014, the State Water Commission adopted a motion rescinding the action approved on February 27, 2013 (allocation not to exceed \$100,000 through 2013 House Bill 1269); and approved a 50 percent grant to the McLean-Sheridan Water District to support the Brush and Blue Lakes Regional Service Area expansion project, not to exceed a total allocation of \$1,275,000 from the following sources: 1) 2014 federal Fiscal Year MR&I grant of 50 percent, not to exceed an allocation of \$575,000; and 2) grant allocation not to exceed \$700,000 from the Water Development and Research Fund administered through the Garrison Diversion Conservancy District (approved February 27, 2013).

Because of increased construction costs and water service connections for an additional 10 users for the Brush and Blue Lakes Regional Service Area expansion project, the project engineer's revised estimated cost is \$2,707,547, which is determined eligible for a 50 percent grant (\$1,275,000) and a \$160,000 grant. A request from the McLean-Sheridan Water District was presented for the State Water Commission's consideration for an additional \$160,000 federal grant on the eligible costs.

It was the recommendation of Secretary Sando that the State Water Commission approve an additional federal grant on the eligible costs, not to exceed an additional allocation of \$160,000 (\$1,435,000 less \$1,275,000 approved on May 29, 2014) from the 2015 federal Fiscal Year MR&I Water Supply program to the McLean-Sheridan Water District to support their Brush and Blue Lakes Regional Service Area expansion project.

It was moved by Commissioner Vosper and seconded by Commissioner Swenson that the State Water Commission approve an additional federal grant on the eligible costs, not to exceed an additional allocation of \$160,000 (\$1,435,000 less \$1,275,000 approved on May 29, 2014) from the 2015 federal Fiscal Year MR&I

Water Supply program funds to the McLean-Sheridan Water District to support their Brush and Blue Lakes Regional Service Area expansion project. This action is contingent upon the availability of funds, satisfaction of the federal MR&I Water Supply program requirements, and subject to future revisions.

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 allocation grants to \$1,435,000 for the McLean-Sheridan Water District to support the Brush and Blue Lakes Regional Service Area expansion project.

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

Keith Berndt, Fargo, representing Cass County, provided updates on the local, state and federal efforts currently underway on the Fargo Moorhead Area Diversion project.

**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 September 21, 2015, and included as **APPENDIX "C"**.

**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 September 9, 2015, and included as **APPENDIX "D"**.

**SOUTHWEST PIPELINE PROJECT -
APPROVAL OF APPROPRIATION
(2015 SENATE BILL 2020 - \$55,000,000)
(SWC Project No. 1736-99)**

The Sixty-Fourth Legislative Assembly of North Dakota (2015) designated funds for rural and municipal water projects in Senate Bill 2020, the State Water Commission's appropriation bill for the 2015-2017 biennium. Based on legislative guidelines, it was the recommendation of Secretary Sando that the State Water Commission designate an allocation not to exceed \$55,000,000 from the funds appropriated in 2015 Senate Bill 2020 to the Southwest Pipeline Project. This allocation utilizes a portion of the funding contained in those legislative designations.

The following contracts are planned for construction in the 2015-2017 biennium: Dickinson water treatment plant, generator upgrades at Dodge and Richardton pump station, raw water main transmission line parallel pipe from the intake to the Oliver-Mercer-North Dunn water treatment plant, supplemental raw water intake pump station, second Richardton raw water reservoir, and second Dickinson raw water reservoir.

It was moved by Commissioner Nodland and seconded by Commissioner Berg that the State Water Commission approve an allocation not to exceed \$55,000,000 from the funds appropriated to the State Water Commission in 2015 Senate Bill 2020 to be dedicated to the Southwest Pipeline Project. 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.

***SOUTHWEST PIPELINE PROJECT -
AWARD OF CONTRACT 3-2D,
DICKINSON 6 MGD WATER
TREATMENT PLANT
(APPROVAL OF SECTION 1,
GENERAL CONSTRUCTION
CONTRACT TO JOHN T. JONES
CONSTRUCTION COMPANY,
FARGO, ND (\$20,269,000.00); AND
SECTION II, MECHANICAL CON-
STRUCTION TO WILLIAMS PLUMBING
AND HEATING, INC., BOZEMAN, MT
(\$2,615,300.00)
(SWC Project No. 1736-99)***

Southwest Pipeline Project Contract 3-2D is for the construction of the 6 million gallons per day (MGD) water treatment plant that is designed to serve the growing needs of the Southwest Pipeline Project served by the water treatment plant located in Dickinson. The contract generally consists of the construction of a 110' by 210' reinforced concrete and precast concrete building and the installation of pumping, piping, water treatment processing equipment, mechanical, electrical, and instrumentation systems. The contract includes the installation of 1,040 feet of 30-inch

ductile iron raw water pipeline. The project is located adjacent to the existing 12 MGD water treatment plant.

As required by North Dakota Century Code §48-01.1-06, the contract was divided into separate prime bids for the General, Mechanical, and Electrical portions of the work. Combined single bids were also accepted for all three segments of the contract.

Seven bid packages were received for Southwest Pipeline Project Contract 3-2D. Two bids were received for Bid Section I - General Construction, from John T. Jones Construction Company, Fargo, ND, and Rice Lake Construction Group, Deerwood, MN; two bids for Bid Section II - Mechanical Construction from Williams Plumbing and Heating, Inc., Bozeman, MT, and Central Mechanical, Inc., Mandan, ND; one bid for Bid Section III - Electrical Construction, from Muth Electric, Inc., Mitchell, SD; and two bids for Bid Section IV - Combined Single Bid, from John T. Jones Construction Company, Fargo, ND, and Rice Lake Construction Group, Deerwood, MN. All bid proposals appeared in order and were opened on September 24, 2015.

Because the low single combined bid was higher than the individual three separate bids, it was recommended by the project engineer that separate contracts be awarded based on the individual bid sections. The low bidders on Sections I, II, and III are John T. Jones Construction Company, Williams Plumbing and Heating, Inc., and Muth Electric, Inc., respectively.

For the Section I, General Construction contract, several bid anomalies were noted on the low bid received from John T. Jones Construction Company. This company is the contractor on the Finished Water Pump Station contract and is performing satisfactorily. It was the recommendation of the project engineer to award Section I, General Construction, to John T. Jones Construction Company, and considered their bid to be in accordance with the Invitation for Construction Bids and Bid documents. A bid protest letter was received from Rice Lake Construction Group indicating that John T. Jones Construction Company submitted an incomplete bid and failed to comply with the instructions to bidders and is, therefore, a non-responsive bidder.

For the Section II, Mechanical Construction Contract, the low bid was received from Williams Plumbing and Heating, Inc., and is a responsive bid in accordance with the Invitation for Construction Bids and Bid documents. Based on a reference check, it was the recommendation of the project engineer to award the Section II, Mechanical Construction contract to Williams Plumbing and Heating, Inc.

The only bid received for the Section III, Electrical Construction Contract, was from Muth Electric, Inc., and is in accordance with the Invitation for Construction Bids and the Bid documents and is considered a responsive bid. Muth Electric, Inc., is the subcontractor on the Finished Water Pump Station and is qualified to do the work on Contract 3-2D. Because the bid received from Muth Electric was 56 percent over the engineer's estimate, the project engineer contacted several potential bidders to determine why they did not submit a bid. The contractors indicated various reasons such as competition from other plan holders, timing of the bids, time required for preparation of bids, and current workload. Given the

high bid price and that only one bid was received, the project engineer was reluctant to recommend award of the contract at this time. The project engineer explained that if the State Water Commission chose to reject the electrical bid received for the Contract 3-2D and rebid the electrical work, the impact on the project schedule would be minimal. The electrical work, other than the equipment submittals and shop drawings, is not expected to commence until the fall of 2016.

The contract documents require that the State Water Commission award the contract within 60 calendar days after the bid opening as stipulated in the Invitation for Construction Bids, that date would be November 23, 2015. Because the funding for this contract may be used to qualify for future federal cost sharing through the state's Municipal, Rural and Industrial Water Supply program, the award of the contract requires concurrence from the Garrison Diversion Conservation District and the Bureau of Reclamation, Dakotas Areas Office. The award of the contract and the Notice to Proceed are dependent on the satisfactory completion and submission of the contract documents by the contractors, and the review/approval by the Commission's legal counsel.

It was the recommendation of Secretary Sando that the State Water Commission authorize the Secretary to the Commission to award Southwest Pipeline Project Contract 3-2D - General Construction to John T. Jones Construction Company, in the amount of \$20,269,000.00 based on Bid Section I; Southwest Pipeline Project Contract 3-2D - Mechanical to Williams Plumbing and Heating, Inc., in the amount of \$2,615,300.00 based on bid Section II; and Southwest Pipeline Project 3-2D - Electrical to Muth Electric, Inc., in the amount of \$5,633,022.00 based on Bid Section III. The award of Southwest Pipeline Project Contract 3-2D Section III would be dependent on further investigation to determine whether re-bidding would result in more electrical bids.

It was moved by Commissioner Swenson and seconded by Commissioner Nodland that the State Water Commission:

- 1) authorize the Secretary to the State Water Commission to award Southwest Pipeline Project Contract 3-2D - Section I - General Construction Contract, to John T. Jones Construction Company, in the amount of \$20,269,000.00 based on Bid Section I;***
- 2) authorize the Secretary to the State Water Commission to award Southwest Pipeline Project Contract 3-2D - Section II - Mechanical Construction Contract, to Williams Plumbing and Heating, Inc., in the amount of \$2,615,300.00 based on Bid Section II; and***

3) authorize the Secretary to the State Water Commission to continue the review and investigation relating to Southwest Pipeline Project Contract 3-2D, Section III - Electrical Construction Contract, and that the contract not be awarded at this time.

These actions are contingent upon the satisfactory completion and submission of the contract documents by the contractors, review/approval by the Commission's legal counsel, and concurrence from the Garrison Diversion Conservancy District and the Bureau of Reclamation, Dakotas Areas office.

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.

**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 September 25, 2015, and included as **APPENDIX "E"**.

**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 Red River Valley Water Supply project.

**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 September 15, 2015, and included as **APPENDIX "F"**.

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

The Missouri River report was provided, which is detailed in the staff memorandum dated September 15, 2015, and included as **APPENDIX "G"**.

***NORTH DAKOTA MISSOURI
RIVER ADVISORY COUNCIL
(FORMERLY MISSOURI
RIVER STAKEHOLDERS)
(SWC Project No. 1392)***

On August 25, 2015, the Missouri River Stakeholders group held their first formal board meeting, which included members that were recommended from the two workshops that were held during the fall of 2014 and summer of 2015.

The North Dakota Missouri River Advisory Council (NDMRAC) was selected as the formal name for the group, and the Council's membership was expanded to include all of the 11 mainstem counties.

The NDMRAC Executive Board of Directors consists of 13 individuals representing the following interest areas: flood control, water supply, water quality, hydropower, fish and wildlife, irrigation, recreation, thermal electric power, conservation/environment, landowners, counties/townships, cities, and Native American tribes.

The State Water Commission staff is in the process of requesting representatives from each of the member organizations and political subdivisions. Once the member representatives have been identified, those individuals will be asked to submit nominations for the 13 Executive Board of Directors positions/categories.

***NORTH DAKOTA STATE WATER
COMMISSION COST SHARE
POLICY, PROCEDURE, AND
GENERAL REQUIREMENTS,
Effective October 1, 2014
(SWC Project No. 1753)***

The Commission staff discussed potential changes to the agency's cost share policy in consideration of statutory requirements in 2015 Senate Bill 2020, and the State Water Commission's Infrastructure Revolving Loan fund. Policy decisions are necessary to develop

recommendations for cost share requests primarily related to water supply improvement projects. The draft amendments to the cost share policy are included as **APPENDIX "H"**.

Legislation provides that the Interim Legislative Water Topics Overview committee work collaboratively with the State Water Commission to develop and review policies and update as necessary to further define the state's role in major flood control projects. A joint meeting of the State Water Commission and the Water Topics Overview Committee is scheduled for November 4, 2015. The preliminary agenda includes presentations and discussions on identified water projects, funding, permits, and the Commission's cost share policy.

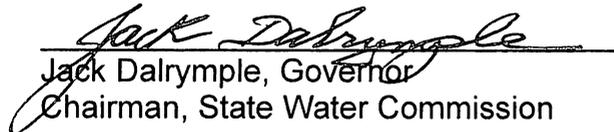
It was moved by Commissioner Berg and seconded by Commissioner Swenson, that the State Water Commission approve the draft amendments to the North Dakota State Water Commission Cost Share Policy, Procedure, and General Requirements as presented.

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.

STATE WATER COMMISSION MEETINGS In discussion of future State Water Commission meetings, the Commission members asked that the meeting materials be provided for their review in a more timely manner, and they also discussed an interest in providing the materials electronically.

There being no further business to come before the State Water Commission, Governor Dalrymple adjourned the October 6, 2015 meeting at 4:35 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 JUNE 30, 2015
 BIENNIUM COMPLETE: 100%

PROGRAM	SALARIES/ BENEFITS	OPERATING EXPENSES	GRANTS & CONTRACTS	7-Aug-15 PROGRAM TOTALS
ADMINISTRATION				
Allocated	2,492,011	2,323,966		4,815,977
Expended	2,488,207	2,068,531		4,556,738
Percent	100%	89%		95%
			Funding Source:	
			General Fund:	0
			Federal Fund:	71,786
			Special Fund:	4,484,952
PLANNING AND EDUCATION				
Allocated	1,334,304	301,110	107,000	1,742,414
Expended	1,278,484	178,978	21,322	1,478,783
Percent	96%	59%	20%	85%
			Funding Source:	
			General Fund:	0
			Federal Fund:	166,954
			Special Fund:	1,311,829
WATER APPROPRIATION				
Allocated	5,151,915	560,947	1,230,267	6,943,129
Expended	4,773,365	727,441	1,208,994	6,709,799
Percent	93%	130%	98%	97%
			Funding Source:	
			General Fund:	0
			Federal Fund:	15,630
			Special Fund:	6,694,169
WATER DEVELOPMENT				
Allocated	6,258,796	14,555,905	3,313,200	24,127,901
Expended	5,892,322	8,634,637	459,823	14,986,782
Percent	94%	59%	14%	62%
			Funding Source:	
			General Fund:	0
			Federal Fund:	1,496,179
			Special Fund:	13,490,603
STATEWIDE WATER PROJECTS				
Allocated			629,600,000	629,600,000
Expended			232,222,518	232,222,518
Percent			37%	37%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	232,222,518
ATMOSPHERIC RESOURCE				
Allocated	993,898	712,307	4,694,692	6,400,897
Expended	981,775	565,378	1,889,287	3,436,439
Percent	99%	79%	40%	54%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	3,436,439
SOUTHWEST PIPELINE				
Allocated	468,291	12,927,500	101,616,741	115,012,532
Expended	588,558	9,441,095	49,179,458	59,209,111
Percent	126%	73%	48%	51%
			Funding Source:	
			General Fund:	0
			Federal Fund:	738,512
			Special Fund:	58,470,599
NORTHWEST AREA WATER SUPPLY				
Allocated	650,021	16,498,500	53,800,540	70,949,061
Expended	536,448	2,217,306	850,797	3,604,550
Percent	83%	13%	2%	5%
			Funding Source:	
			General Fund:	0
			Federal Fund:	0
			Special Fund:	3,604,550
PROGRAM TOTALS				
Allocated	17,349,236	47,880,235	794,362,440	859,591,911
Expended	16,539,158	23,833,365	285,832,198	326,204,721
Percent	95%	50%	36%	38%
FUNDING SOURCE:	ALLOCATION	EXPENDITURES	REVENUE	
GENERAL FUND	0	0	GENERAL FUND:	654,554
FEDERAL FUND	37,310,283	2,489,061	FEDERAL FUND:	2,868,408
SPECIAL FUND	822,281,628	323,715,660	SPECIAL FUND:	306,964,928
TOTAL	859,591,911	326,204,721	TOTAL:	310,487,890

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

	BUDGET	SWC/SE APPROVED	OBLIGATIONS EXPENDITURES	REMAINING UNOBLIGATED	REMAINING UNPAID
<i>Jun-15</i>					
FLOOD CONTROL					
FARGO	136,740,340	136,740,340	37,234,140	0	99,506,200
GRAFTON	8,925,000	8,925,000	0	0	8,925,000
MOUSE RIVER FLOOD CONTROL	36,618,860	8,991,186	2,434,439	27,627,674	6,556,747
BURLEIGH COUNTY	1,469,900	1,469,900	875,037	0	594,863
VALLEY CITY	14,865,526	14,865,526	657,172	0	14,208,354
LISBON	7,520,350	7,520,350	2,825,898	0	4,694,452
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	1,258,056	0	23,320
SHEYENNE RIVER FLOOD CONTROL	696,854			696,854	
FLOODWAY PROPERTY ACQUISITIONS					
MINOT	33,684,329	33,684,329	9,805,013	0	23,879,316
WARD COUNTY	9,698,169	9,698,169	3,651,579	0	6,046,590
VALLEY CITY	1,822,598	1,822,598	1,555,195	0	267,403
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	953,515	0	45,485
STATE WATER SUPPLY					
REGIONAL & LOCAL WATER SYSTEMS	105,640,879	105,640,879	46,845,829	0	58,795,050
FARGO WATER TREATMENT PLANT	27,864,069	27,864,069	5,095,294	0	22,768,775
SOUTHWEST PIPELINE PROJECT	106,947,836	106,947,836	58,470,599	0	48,477,237
NORTHWEST AREA WATER SUPPLY	21,241,433	7,241,433	1,486,951	14,000,000	5,754,482
COMMUNITY WATER LOAN FUND - BND	15,000,000	15,000,000	10,000,000	0	5,000,000
WESTERN AREA WATER SUPPLY AUTHORITY	79,000,000	79,000,000	56,798,616	0	22,201,384
RED RIVER VALLEY WATER SUPPLY	11,000,000	3,641,000	3,193,709	7,359,000	447,291
CENTRAL NORTH DAKOTA WATER SUPPLY	70,800	70,800	0	0	70,800
IRRIGATION DEVELOPMENT	5,493,548	949,869	495,650	4,543,679	454,219
GENERAL WATER MANAGEMENT					
OBLIGATED	35,395,078	35,395,078	14,317,251	0	21,077,827
UNOBLIGATED	5,534,062			5,534,062	0
DEVILS LAKE					
BASIN DEVELOPMENT	8,085	8,085	7,107	0	978
OUTLET	872,403	872,403	1,601	0	870,802
OUTLET OPERATIONS	15,140,805	15,140,805	7,606,595	0	7,534,210
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	805,125	0	77
TOTALS	705,894,092	646,132,821	266,926,621	59,761,271	379,206,200

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

PROGRAM OBLIGATION

Approved SWC		Dept	Sponsor	Project	Initial	Total	Total	Jun-15
By	No				Approved			Approved
Flood Control:								
SB 2020	1928-01	5000	City of Fargo	Fargo Flood Control Project	6/23/2009	136,740,340	37,234,140	99,506,200
	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	216,257	0
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 Improve	10/7/2013	6,830,400	1,939,888	4,890,512
	1758	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	12/5/2015	507,875	350,579	157,296
	1344	5000	Valley City	Sheyenne River Valley Flood Control Project PHI	5/20/2015	340,000	0	340,000
	1504-01	5000	Valley City	Permanent Flood Protection Project	12/5/2014	10,157,037	306,593	9,850,444
	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	842,850	750,040	92,810
	1991-01	5000	City of Lisbon	Permanent Flood Protection Project	5/29/2014	1,918,698	1,356,996	561,702
	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	12,560	3,153,440
	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	1,258,056	23,320
Subtotal Flood Control						182,860,878	45,284,742	137,576,136
Floodway Property Acquisitions:								
SB 2371	1993-05	5000	City of Minot	Minot Phase 1 - Floodway Acquisitions	1/27/2012	9,276,071	9,276,071	0
	1993-05	5000	City of Minot	Minot Phase 2 - Floodway Acquisitions	10/7/2013	24,408,258	528,942	23,879,316
SB 2371	1523-05	5000	Ward County	Ward County Phase 1, 2 & 3 - Floodway Acquisitions	1/27/2012	9,525,664	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	1,555,195	267,403
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	953,515	45,485
Subtotal Floodway Property Acquisitions						46,830,660	16,174,957	30,655,703
Water Supply Advances:								
SWC	2373-24	5000	Garrison Diversion	Trail Regional Rural Water (Phase III)	8/18/2009	1,368,000	1,245,882	122,118
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	2,421,699	303,715
	2373-36	5000	Stutsman Rural RWD	Stutsman Rural Water System - Phase IIB, III	2/27/2013	12,155,000	8,761,828	3,393,172
	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	215,639	991,361
	2373-39	5000	North Central Rural Water Consortium	Carpio Berthold Phase 2	5/29/2014	3,050,000	79,859	2,970,141
	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	157,648	5,594,102
	2050-01	5000	Missouri West Water System	South Mandan	3/17/2014	776,000	721,189	54,811
	2050-02	5000	Grand Forks Traill RWD	Improvements	3/11/2015	3,752,000	361,542	3,390,458
	2050-03	5000	Northeast Regional WD	Langdon RWD - ABM Pipeline Phase 1	10/7/2013	1,040,000	811,894	228,106
	2050-04	5000	Northeast Regional WD	Langdon RWD - North Valley Nekome	3/11/2015	998,400	438,579	559,821
	2050-05	5000	Northeast Regional WD	North Valley WD - ABM Pipeline Phase 1	3/11/2015	663,800	569,982	93,818
	2050-06	5000	Northeast Regional WD	North Valley WD - 93 Street	3/11/2015	1,369,600	842,610	526,990
	2050-07	5000	Northeast Regional WD	North Valley WD - Rural Expansion	5/29/2014	1,800,000	318,283	1,481,717
	2050-08	5000	Walsh RWD	Ground Storage	10/7/2013	684,000	566,589	117,411
	2050-09	5000	City of Park River	Water Tower	3/11/2015	1,553,000	1,385,122	167,878
	2050-10	5000	City of Surrey	Water Supply Improvements	10/7/2013	1,500,000	832,350	667,650
	2050-11	5000	Cass RWD	Phase 2 Plant Improvements	10/7/2013	2,600,000	231,562	2,368,438
	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	82,744	1,187,256
	2050-14	5000	City of Mandan	Water Treatment Plant Improvements	10/7/2013	726,000	676,429	49,571
	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	1,919,749	5,926,586
	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	1,140,849	3,849,151
	2050-20	5000	City of Dickinson	Capital Infrastructure	2/27/2014	15,924,185	6,230,697	9,693,488
	2050-21	5000	Watford City	Capital Infrastructure	2/27/2014	6,700,000	5,329,820	1,370,180
	2050-22	5000	City of Williston	Capital Infrastructure	2/27/2014	7,000,000	3,422,055	3,577,945
	2050-23	5000	Greater Ramsey RWD	SW Nelson County Expansion	3/17/2014	4,500,000	1,200,453	3,299,547
	2050-24	5000	All Seasons Water District	System 1 Well Field Expansion	9/15/2014	292,500	0	292,500
Subtotal State Water Supply						105,640,879	46,845,829	58,795,050
	1984-02	5000	City of Fargo	Fargo Water Treatment Plant	3/17/2014	27,864,069	5,095,294	22,768,775
	1736-05	8000	SWPP	Southwest Pipeline Project	7/1/2013	106,947,836	58,470,599	48,477,237
	2374	9000	NAWS	Northwest Area Water Supply	7/1/2013	7,241,433	1,486,951	5,754,482
	2044-01	5000	Bank of North Dakota	Community Water Facility Fund	10/7/2013	15,000,000	10,000,000	5,000,000
	1973-02	5000	WAWSA	WAWSA - (GRANT)	10/7/2013	39,500,000	27,438,194	12,061,806
	1973-03	5000	Bank of North Dakota	WAWSA - (LOAN)	10/7/2013	39,500,000	29,360,422	10,139,578
	325-101	5000	RRVWSP	Red River Valley Water Supply - CH2MHil	2/27/2014	721,000	721,000	0
	325-102	5000	RRVWSP	Red River Valley Water Supply - Intake Design Study	5/29/2014	2,500,000	2,337,672	162,328
	325-103	5000	RRVWSP	Garrison Diversion - Easements	5/29/2014	420,000	135,037	284,963
	2051	5000	Central ND Water Supply	Black and Veatch investigation	1/27/2015	70,800	0	70,800
Subtotal State Water Supply						239,765,137	135,045,169	104,719,968

STATE WATER COMMISSION
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PROGRAM OBLIGATION

Approved SWC		Dept	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Jun-15 Balance
By	No							
Irrigation Development:								
SWC	222	5000	Buford Trenton Irrigation	Buford Trenton Irrigation Transmission Line Reroute	7/23/2013	350,000	350,000	C
SWC	1389	5000	Bank of ND	BND AgPace Program	10/23/2001	25,966	25,966	C
SWC	1389	5000	Bank of ND	BND AgPace Program	12/13/2013	200,000	19,684	180,316
SWC	AOC/IRA	5000	ND Irrigation Assoc	ND Irrigation Association	7/1/2013	100,000	100,000	C
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	495,650	454,219
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	3,411	3,411	0
	862	3000	Lori Bjorgen	Lori Bjorgen - Well Monitor	3/13/2014	472	472	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	6,415	6,414	0
	1707	3000	Thor Brown	Thor Brown- Well Monitor	3/12/2015	4,502	4,501	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	505,895	0
	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						1,155,056	1,132,837	22,220
Remaining Hydrologic Investigations Authority						(29,789)		
Hydrologic Investigations Authority Less Payments								
General Projects Obligated						27,738,886	6,634,439	21,104,447
General Projects Completed						6,530,925	6,549,975	(19,050)
Subtotal General Water Management						35,395,078	14,317,251	21,077,827
Devils Lake Basin Development:								
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	7,606,595	7,534,210
SWC	416-13	5000	Multiple	DL Toina 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						33,885,118	7,957,897	25,927,221
SWC		7600		Weather Modification	7/1/2013	805,202	805,125	77
TOTAL						646,132,821	266,926,621	379,206,200

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2013-2015 Biennium
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GENERAL PROJECT OBLIGATIONS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Jun-15 Balance
HB 2305	1963	5000	2009-11	Emmons County WRD	Beaver Bay Embankment Feasibility Study	8/10/2009	53,644	35,566	18,0
SE	1967	5000	2009-11	Grand Forks Co. WRD	Grand Forks County Legal Drain No. 55 2010 Contract	11/30/2010	9,652	0	9,6
SE	1301	5000	2009-11	City of Lidgerwood	City of Lidgerwood Engineering & Feasibility Study for	2/4/2011	15,850	0	15,8
SE	1607	5000	2011-13	Ward Co. WRD	Flood Inundation Mapping of Areas Along Souris & De	6/15/2011	13,011	0	13,0
SE	1301	5000	2011-13	City of Wahpeton	City of Wahpeton Water Reuse Feasibility Study/Richie	9/8/2011	2,500	0	2,5
SE	391	5000	2011-13	Sargent Co WRD	Sargent Co WRD, Silver Lake Dam Emergency Repair	10/12/2011	2,800	0	2,8
SE	1312	5000	2011-13	Walsh Co. WRD	Skyrud Dam 2011 EAP	12/15/2011	10,000	0	10,0
SE	1312	5000	2011-13	Walsh Co. WRD	Union Dam 2011 EAP	12/15/2011	10,000	0	10,0
SE	1998	5000	2011-13	Grand Forks Co. WRD	Upper Turtle River Dam #1 2012 EAP	6/28/2012	10,000	0	10,0
SE	2002	5000	2011-13	Grand Forks Co. WRD	Turtle River Dam #4 2012 EAP	6/29/2012	10,000	0	10,0
SE	2005	5000	2011-13	Grand Forks Co. WRD	Turtle River Dam #8 2012 EAP	6/29/2012	10,000	0	10,0
SE	1991	5000	2011-13	City of Lisbon	Shenenee River Snagging & Clearing Project	2/12/2013	5,000	0	5,0
SE	1289	5000	2011-13	McKenzie Co. Weed Control E	Control of Noxious Weeds on Sovereign Lands	6/11/2013	24,810	12,296	12,5
SE	1640	5000	2013-15	U.S. Geological Survey	Maintenance of gaging station on Missouri River below	9/25/2013	8,710	0	8,7
SE	1296	5000	2013-15	Pembina Co. WRD	Bathgate-Hamilton & Carlisle Watershed Study	10/17/2013	38,500	0	38,5
SE	399	5000	2013-15	Barnes Co WRD	Kathryn Dam Feasibility Study	9/19/2014	21,250	0	21,2
SE	274	5000	2013-15	City of Neche	FEMA Levee Certification Feasibility Study	10/17/2014	37,500	0	37,5
SE	841	5000	2013-15	Maple River WRD	Garsteig Dam Repair Project	1/26/2015	40,163	0	40,1
SE	1287	5000	2013-15	McHenry Co. WRD	Souris River Snagging & Clearing Project	2/3/2015	15,000	0	15,0
SE	1842	5000	2013-15	Southeast Cass WRD	Wild Rice River Snagging & Clearing - Bridge Location	2/3/2015	57,000	45,937	11,0
SE	AOC/WUA	5000	2011-13	ND Water Users Association	Dave Koland Term as WUA President	3/23/2015	10,200	528	9,6
SE	346	5000	2013-15	Williams County WRD	Design Engineering for Epping Dam Safety Repair	3/30/2015	21,333	0	21,3
SE	571	5000	2013-15	Oak Creek WRD	Oak Creek Snagging & Clearing Project	3/30/2015	3,672	0	3,6
SE	1179	5000	2013-15	Richland Co. WRD	Drain #5 (27) Reconstruction Project	3/30/2015	13,543	0	13,5
SE	568	5000	2013-15	Barnes Co WRD	Shenenee River Snagging & Clearing Project	4/17/2015	49,500	0	49,5
SE	1303	5000	2013-15	Sargent Co WRD	Gwinner Dam Improvement Feasibility Study Program	4/17/2015	42,844	0	42,8
SE	1219	5000	2013-15	Sargent Co WRD	Drain No. 8 Channel Improvement Preliminary Engineer	5/7/2015	6,650	0	6,6
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Bridge #121-2	5/28/2015	16,000	0	16,0
SE	1314	5000	2013-15	Wells Co. WRD	Hurdsfield Area Drain Preliminary Engineering Project	6/11/2015	35,000	0	35,0
SE	1815	5000	2013-15	Ransom Co. WRD	Shenenee River Snagging & Clearing - Fort Ransom R	6/11/2015	6,350	0	6,3
SE	1264	5000	2013-15	Barnes Co WRD	Little Dam Repurposing Feasibility Study	6/17/2015	16,100	0	16,1
SE	1311	5000	2013-15	Traill Co. WRD	Buxton Township Improvement District No. 68	6/17/2015	15,745	0	15,7
SE	1303	5000	2013-15	Sargent Co WRD	Upper Wild Rice Watershed Study	6/24/2015	73,500	0	73,5
SE	2045	5000	2013-15	Stark County	Stark County LiDAR Collection Project (FEMA)	7/17/2015	33,584	0	33,5
SWC	620	5000	2007-09	Lower Heart WRD	Mandan Flood Control Protective Works (Levee)	9/29/2008	125,396	0	125,3
SWC	1921	5000	2007-09	Morton Co. WRD	Square Butte Dam No. 6(Harmon Lake) Recreation F	3/23/2009	821,058	90,056	731,0
SWC	1638	5000	2009-11	Multiple	Red River Basin Non-NRCS Rural/Farmstead Ring Di	6/23/2009	226,364	48,500	177,8
SWC	1960	5000	2009-11	Ward Co. WRD	Puppy Dog Coulee Flood Control Diversion Ditch Cons	8/18/2009	796,976	0	796,9
SWC	322	5000	2009-11	ND Water Education Foundati	ND Water: A Century of Challenge	2/22/2010	36,800	0	36,8
SWC	281	5000	2009-11	Three Affiliated Tribes	Three Affiliated Tribes/Fort Berthold Irrigation Study	10/26/2010	37,500	0	37,5
SWC	646	5000	2009-11	City of Fargo	Christine Dam Recreation Retrofit Project	10/26/2010	184,950	0	184,9
SWC	646	5000	2009-11	City of Fargo	Hickson Dam Recreation Retrofit Project	10/26/2010	44,280	0	44,2
SWC	347	5000	2009-11	City of Velva	City of Velva's Flood Control Levee System Certificati	3/28/2011	102,000	0	102,0
SWC	1161	5000	2009-11	Pembina Co. WRD	Drain 55 Improvement Reconstruction	3/28/2011	13,846	0	13,8
SWC	1970	5000	2009-11	Walsh Co. WRD	Walsh Co. Construction of Legal Assessment Drain # 1	3/28/2011	39,115	0	39,1
SWC	1101	5000	2011-13	Dickey Co. WRD	Yorktown-Maple Drainage Improvement Dist No. 3	9/21/2011	354,500	0	354,5
SWC	1101	5000	2011-13	Dickey-Sargent Co WRD	Riverdale Township Improvement District #2 - Dickey -	9/21/2011	500,000	0	500,0
SWC	1219	5000	2011-13	Sargent Co WRD	City of Forman Floodwater Outlet	9/21/2011	31,472	0	31,4
SWC	1705	5000	2011-13	Red River Joint Water Resour	Red River Joint WRD Watershed Feasibility Study - Pt	9/21/2011	60,000	0	60,0
SWC	1975	5000	2011-13	Walsh Co. WRD	Walsh Co. Drain No. 31 Reconstruction Project	9/21/2011	37,742	0	37,7
SWC	829	5000	2011-13	Rush River WRD	Rush River WRD Berlin's Township Improvement Distr	10/19/2011	163,695	62,378	101,3
SWC	1983	5000	2011-13	City of Harwood	City of Harwood Engineering Feasibility Study	12/9/2011	62,500	0	62,5
SWC	1396	5000	2011-13	U.S. Geological Survey	(USGS) Missouri River Geomorphic Assessment	3/7/2012	90,000	80,000	10,0
SWC	1989	5000	2011-13	Barnes Co WRD	Hobart Lake Outlet Project	3/7/2012	266,100	0	266,1
SWC	1990	5000	2011-13	Mercer Co. WRD	Lake Shore Estates High Flow Diversion Project	3/7/2012	43,821	0	43,8
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	2009-02	5000	2011-13	Southeast Cass WRD	Recertification of the Horace to West Fargo Diversion	9/17/2012	72,600	72,600	0
SWC	1401	5000	2009-11	Pembina Co. WRD	International Boundary Roadway Dike Pembina	9/27/2012	331,799	70,767	261,0
SWC	240	5000	2011-13	Eddy County WRD	Warwick Dam Repair Project	12/7/2012	110,150	0	110,1
SWC	1705	5000	2011-13	Red River Joint Water Resour	Red River Basin Distributed Plan Study	12/7/2012	560,000	0	560,0
SWC	2019	5000	2011-13	Valley City	Shenenee River Snagging & Clearing Project	12/7/2012	75,000	0	75,0
SWC	346	5000	2011-13	Williams County WRD	Epping Dam Evaluation Project	2/27/2013	66,200	0	66,2
SWC	1135	5000	2011-13	Pembina Co. WRD	Drain #4 Reconstruction Project	6/19/2013	221,628	218,955	2,6
SWC	1438	5000	2011-13	Cavalier County WRD	Mulberry Creek Phase IV Reconstruction Project	6/19/2013	324,010	221,991	102,0
SWC	1992	5000	2011-13	Burleigh Co. WRD	Burnt Creek Flood Restoration Project	6/19/2013	87,805	0	87,8
SWC	2022	5000	2011-13	Pembina Co. WRD	Drain #73 Project	6/19/2013	350,400	0	350,4
SWC	1270	5000	2013-15	Burleigh Co. WRD	Apple Creek Industrial Park Levee Feasibility Study	10/7/2013	65,180	0	65,1
SWC	2004	5000	2013-15	Grand Forks Co. WRD	Drain No. 57 Project	10/7/2013	413,576	0	413,5
SWC	2040	5000	2013-15	Walsh Co. WRD	Drain #74 Project	10/7/2013	317,852	120,248	197,6
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRB	Missouri River Coordinator	10/7/2013	175,000	137,906	37,0
SWC	1242	5000	2013-15	Traill Co. WRD	Rust Drain No. 24 Project	12/13/2013	187,736	162,584	25,1
SWC	1554/2046?	5000	2013-15	McLean Co. WRD	City of Underwood Floodwater Outlet Project	12/13/2013	1,100,727	0	1,100,7
SWC	1758	5000	2013-15	USGS	Stochastic Model for the Mouse River Basin	12/13/2013	200,000	160,000	40,0
SWC	2043	5000	2013-15	Pembina Co. WRD	District's Drain 78 Outlet Extension Project	12/13/2013	287,778	0	287,7
SWC	2046	5000	2013-15	Walsch Co. WRD	North Branch Park River Comprehensive Flood Damag	12/13/2013	134,400	0	134,4
SWC	1878-02	5000	2011-13	Maple-Steele WRD	Upper Maple River Dam Construction Phase	12/13/2013	4,702,936	0	4,702,9
SWC	CON/WIL/CARL	5000	2013-15	Garrison Diversion Conservan	Will and Carlson Consulting Contract	12/13/2013	70,000	43,549	26,4
SWC	1082	5000	2013-15	Rush River WRD	Cass Co. Drain No. 30 Channel Improvement Project	3/17/2014	142,818	136,842	5,9
SWC	2008	5000	2013-15	City of Mapleton	Recertification of Flood Control Levee System Project	3/17/2014	718,941	617,841	101,1
SWC	1418	5000	2013-15	City of Bisbee	Big Coulee Dam Feasibility Study	5/29/2014	65,000	54,037	10,9
SWC	1444	5000	2013-15	City of Pembina	2014 Flood Protection System Modification Project	5/29/2014	1,031,981	970,650	61,3
SWC	1577	5000	2013-15	City of Killdeer & Dunn Co.	Floodplain Mapping Project	5/29/2014	55,000	0	55,0
SWC	1753/1523?	5000	2013-15	Ward Co. Hwy Dept	County Road 18 Flood Control Project	5/29/2014	325,208	0	325,2

STATE WATER COMMISSION
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GENERAL PROJECT OBLIGATIONS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Jun-15 Balance
SWC	2045	5000	2013-15	Mercer Co. WRD	LiDAR Collection Project	5/29/2014	117,000	106,575	10,4
SWC	2048	5000	2013-15	City of Marion	Marion Flood Mitigation & Lagoon Drainage Project	5/29/2014	188,366	71,707	116,6
SWC	1932	5000	2005-07	Nelson Co. WRD	Michigan Spillway Rural Flood Assessment	8/15/2014	2,588,924	1,756,717	832,2
SWC	1625	5000	2013-15	Houston Engineering	(OHWM) Ordinary High Water Mark Delineations	8/20/2014	134,418	129,858	4,5
SWC	1227	5000	2011-13	Trail Co. WRD	Mergenthal Drain No. 5 Reconstruction	9/15/2014	155,780	137,278	18,5
SWC	1285	5000	2013-15	LaMoure County	LaMoure Co Memorial Park Streambank Restoration	9/15/2014	91,042	0	91,0
SWC	1314	5000	2013-15	Wells Co. WRD	Oak Creek Drain Lateral E Reconstruction Project	9/15/2014	73,057	0	73,0
SWC	1613	5000	2013-15	North Cass Co. WRD	Cass County Drain No. 55 Channel Improvements Pro	9/15/2014	99,923	0	99,9
SWC	1613	5000	2013-15	Richland Co. WRD	Drain No. 15 Reconstruction Project	9/15/2014	60,300	0	60,3
SWC	1991	5000	2013-15	City of Lisbon	Sheyenne Riverbank Stabilization Project	9/15/2014	163,720	0	163,7
SWC	2042	5000	2013-15	Bottineau Co. WRD	Haas Coulee Drain Project	9/15/2014	500,000	0	500,0
SWC	2045	5000	2013-15	McKenzie Co. Commission	LiDAR Collection Project	9/15/2014	262,308	0	262,3
SWC	PSWRDELM	5000	2013-15	Elm River Joint WRD	Dam #3 Safety Improvements Project	9/15/2014	65,208	57,911	7,2
SWC	568	5000	2013-15	Southeast Cass WRD	Sheyenne River Reaches Snagging & Clearing Project	12/5/2014	294,000	199,762	94,2
SWC	228	5000	2013-15	USGS	Operation & Maint of Gaging Station on the Missouri R	12/8/2014	8,970	0	8,9
SWC	1792	5000	2009-11	Southeast Cass WRD	SE Cass Wild Rice River Dam Study Phase II	1/29/2015	162,252	130,000	32,2
SWC	980	5000	2011-13	Maple River WRD	Maple River Watershed Flood Water Retention Study/	2/19/2015	3,687	0	3,6
SWC	980	5000	2013-15	Cass Co. Joint WRD	Rush River Watershed Detention Study	3/11/2015	120,750	0	120,7
SWC	980	5000	2013-15	Cass Co. Joint WRD	Swan Creek Watershed Detention Study PHII	3/11/2015	120,750	0	120,7
SWC	980	5000	2013-15	Cass Co. Joint WRD	Upper Maple River Watershed Detention Study	3/11/2015	120,750	0	120,7
SWC	1064	5000	2013-15	Rush River WRD	Cass County Drain No. 2 Channel Improvements Proje	3/11/2015	106,989	0	106,9
SWC	1217	5000	2013-15	Tri-County WRD	Tri-County Drain Reconstruction Project	3/11/2015	911,881	0	911,8
SWC	1294	5000	2013-15	Nelson Co. Park Board	Stump Lake Park Bank Stabilization Project	3/11/2015	115,436	0	115,4
SWC	1418	5000	2013-15	City of Bisbee	Design & Repair of Big Coulee Dam	3/11/2015	862,218	0	862,2
SWC	2007	5000	2011-13	Maple River WRD	Pontiac Township Improvement District No. 73 Project	5/11/2015	1,247,093	500,000	747,0
SWC	1224	5000	2013-15	Trail Co. WRD	Palace Drain Improvement District No. 80	5/20/2015	118,933	0	118,9
SWC	1977	5000	2011-13	Dickey-Sargent Co WRD	Jackson Township Improvement Dist. #1	5/20/2015	1,601,325	0	1,601,3
SWC	2013	5000	2011-13	Richland-Cass Joint WRD	Wild Rice River Watershed Retention Plan	6/8/2015	135,905	90,000	45,9
SWC	1978	5000	2011-13	Richland & Sargent Joint WRC	Richland & Sargent WRD RS Legal Drain No. 1 Extens	7/23/2015	245,250	0	245,2
TOTAL							27,738,886	6,634,439	21,104,4

**STATE WATER COMMISSION
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COMPLETED GENERAL PROJECTS

Approver SWC		Approved				Initial			Jun-15	
By	No	Dept	Biennium	Sponsor	Project	Approved Date	Total Approved	Total Payments	Balance	
HB	1009	1986	5000	2013-15	USDA-APHIS,ND Dept A	USDA Wildlife	8/20/2013	250,000	250,000	
SB	2020	1131	5000	2009-11	Nelson Co. WRD	Flood Related Water Projects	6/1/2011	55,455	55,455	
SE		1577	5000	2011-13	Burleigh Co. WRD	Fox Island 2012 Flood Hazard Mitigation Evaluation S	5/22/2012	23,900	23,900	
SE		1303	5000	2011-13	Sargent Co WRD	Shortfoot Creek Preliminary Soils Analysis & Hydraulic	6/29/2012	24,861	6,034	18,82
SE		2003	5000	2011-13	Southeast Cass WRD	Re-Certification of the Horace to West Fargo Diversior	6/29/2012	42,835	42,775	6
SE		2008	5000	2011-13	City of Mapleton	Mapleton Flood Control Levee Project	6/29/2012	24,410	24,410	
SE		1732	5000	2011-13	City of Beulah	Beulah Dam Emergency Action Plan	7/26/2012	20,440	10,440	10,00
SE		2003	5000	2011-13	Southeast Cass WRD	Re-Certification of the West Fargo Diversion Levee Sy	7/26/2012	45,879	45,879	
SE	AOC/RRBC		5000	2011-13	Red River Basin Commis	Stream Gaging & Precipitation Network Study in the R	9/14/2012	20,000	17,052	2,94
SE		1993	5000	2011-13	Houston Engineering	Minot 100-yr Floodplain Map and Profiles	10/9/2012	10,000	0	10,00
SE		2001	5000	2011-13	Trails Co. WRD	Elm River Diversion Project	10/31/2012	10,423	6,076	4,34
SE		1992	5000	2011-13	Burleigh Co. WRD	Burleigh Co Flood Control Alternatives Assessment	1/30/2013	25,175	16,168	9,00
SE		1461	5000	2011-13	Pembina Co. WRD	O'Hara Bridge Bank Stabilization	4/26/2013	24,633	24,633	
SE		871	5000	2011-13	Pembina Co. WRD	Pembina Snagging & Clearing Project	6/14/2013	7,500	7,500	
SE		1395	5000	2013-15	U.S. Geological Survey	Operation & maintenance of seven water level monitor	7/16/2013	17,500	17,500	
SE		1174	5000	2013-15	Richland Co. WRD	Drain No. 31 Reconstruction Project	8/30/2013	32,393	22,393	10,00
SE		2045	5000	2013-15	NCRS & Corps St. Louis	Joint LIDAR Collection	9/12/2013	40,000	40,000	
SE		1289	5000	2013-15	McKenzie Co. Weed Cor	Control of Noxious Weeds on Sovereign Lands	9/20/2013	10,496	9,779	71
SE		1244	5000	2013-15	Trails Co. WRD	Trails Co. Drain No. 27 (Moen) Lateral Channel Improv	9/27/2013	29,914	23,723	6,19
SE		1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 3	10/17/2013	49,500	48,493	1,00
SE		1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 2	10/17/2013	49,500	49,375	12
SE		1987	5000	2013-15	City of Burlington	Interim Levee Project	11/22/2013	49,000	49,000	
SE		1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Reach 4	12/13/2013	20,000	20,000	
SE	BSC		5000	2013-15	Bismarck State College	2014 ND Water Quality Monitoring Conference	2/24/2014	1,000	1,000	
SE	AOC/WEF		5000	2013-15	ND Water Education Fou	2014 Summer Water Tours Sponsorshi	3/5/2014	2,500	2,500	
SE		1403	5000	2013-15	ND Water Resources Ins	Institute Fellowship Program 2014-15	3/20/2014	13,850	13,850	
SE		1291	5000	2013-15	Mercer County WRD	Antelope Creek Snagging & Clearing Project	3/27/2014	21,714	21,714	
SE		867-01	5000	2013-15	NDSU	NDSU - Water sampling Dr. Xinhua Jia Dept of Ag	4/22/2014	5,000	5,000	
SE		1667	5000	2013-15	Trails Co. WRD	Goose River Snagging & Clearing Project	4/23/2014	46,750	46,750	
SE		1311	5000	2013-15	Trails Co. WRD	Buffalo Coulee Snagging & Clearing Project	5/27/2014	25,000	23,363	1,63
SE		507	5000	2013-15	Grant County WRD	Raleigh Dam Emergency Action Plan	7/1/2014	12,000	11,870	130
SE		1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Bridge Locatio	10/16/2014	34,500	34,500	
SE		1934	5000	2013-15	Trails Co. WRD	Elm River Snagging & Clearing Project	1/20/2015	50,000	42,211	7,78
SE		1667	5000	2013-15	Trails Co. WRD	Goose River Snagging & Clearing Project	1/23/2015	50,000	44,173	5,82
SE	AOC/WEF		5000	2013-15	ND Water Education Fou	2014 Summer Water Tours Sponsorshi	3/10/2015	2,500	2,500	
SE		1403	5000	2013-15	ND Water Resources Ins	Institute Fellowship Program 2014-15	3/23/2015	13,850	13,850	
SE	NDAWN		5000	2013-15	NDSU	ND Agricultural Weather Network	5/7/2015	1,500	1,500	
SE		1400	5000	2013-15	Keitu Engineers	Kietu Engineers - Royce Cline	6/26/2015	19,050	0	19,05
SE	NDAWN		5000	2013-15	NDSU	ND Agricultural Weather Network	4/15/214	1,550	1,550	
SE	PS/WRD/DEV		5000	2013-15	Devils Lake Joint WRB	DL Manager	7/11/2013	60,000	60,000	
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	29,58
SWC		1069	5000	2009-11	North Cass Co. WRD	Cass County Drain No. 13 Improvement Reconstruct	8/18/2009	122,224	0	122,22
SWC		1088	5000	2009-11	Maple River WRD	Cass County Drain No. 37 Improvement Recon	8/18/2009	92,668	0	92,66
SWC		1244	5000	2009-11	Trails Co. WRD	Trails Co. Drain No. 27 (Moen) Reconstruction & Exten	3/11/2010	336,491	0	336,49
SWC		1517	5000	2009-11	Mercer Co. WRD & City	Hazen Flood Control Levee (1517) & FEMA Accreditat	3/11/2010	184,984	0	184,98
SWC		1966	5000	2009-11	City of Oxbow	City of Oxbow Emergency Flood Fighting Barrier Syste	6/1/2010	188,400	188,400	
SWC		1882-07	5000	2009-11	NDSU	NDSU Development of SEBAL	9/1/2010	15,387	15,387	
SWC		1245	5000	2009-11	Trails Co. WRD	Trails Co. Drain No. 28 Extension & Improvement Proj	3/28/2011	336,007	0	336,00
SWC		1969	5000	2009-11	Walsh Co. WRD	Walsh Co. Construction of Legal Assessment Drain #	3/28/2011	38,154	0	38,15
SWC		416-18	5000	2011-13	ND Game & Fish	DL Johnson Farms Water Storage Site	6/10/2011	125,000	4,316	120,68
SWC		1344	5000	2011-13	Southeast Cass WRD	Southeast Cass Sheyenne River Diversion Low-Flow (6/14/2011	716,609	33,535	683,07
SWC		1219	5000	2011-13	Sargent Co WRD	District Drain No. 4 Reconstruction Project	9/21/2011	125,500	86,723	38,77
SWC		1252	5000	2011-13	Walsh Co. WRD	Walsh Co. Reconstruction Drain No. 97	9/21/2011	24,933	0	24,93
SWC	CON/WILL-CA		5000	2011-13	Garrison Diversion	Will/Carlson Consultant	10/17/2011	26,174	0	26,17
SWC		1224	5000	2011-13	Trails Co. WRD	Preston Floodway Reconstruction Project	10/19/2011	208,570	0	208,57
SWC		1918	5000	2001-13	Maple River WRD	Normanna Township Improvement District No. 71	12/9/2011	287,900	0	287,90
SWC		1138	5000	2011-13	Pembina Co. WRD	Drain No. 8 Reconstruction Project	3/7/2012	12,215	5,157	7,05
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		227	5000	2011-13	Eaton Flood Irrigation Di	District's Mouse River Riverbank Stabilization Project	6/13/2012	120,615	0	120,61
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		1344	5000	2009-11	Southeast Cass WRD	Sheyenne Diversion Exterior Pump Station	6/13/2012	3,751	2,121	1,630
SWC		2010	5000	2011-13	Barnes Co WRD	Meadow Lake Outlet	6/13/2012	500,000	0	500,00
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		2006/1135	5000	2011-13	Rush River WRD	Amenia Township Improvement District Drain No. 74 F	6/13/2012	459,350	380,789	78,561
SWC		228	5000	2011-13	U.S. Geological Survey	Additional USGS gage Missouri River- ANNUAL	9/17/2012	8,500	8,500	
SWC		1996	5000	2011-13	Trails Co. WRD	Drain #62 - Wold Drain Project	9/17/2012	112,400	108,717	3,683
SWC		2014	5000	2011-13	Trails Co. WRD	Elm River Watershed Retention Plan	9/17/2012	75,000	62,371	12,629
SWC		1069	5000	2011-13	North Cass - Rush River	Drain #13 Channel Improvements	9/27/2012	217,000	217,000	
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	
SWC		2020	5000	2011-13	Minot Park District	Souris Valley Golf Course Bank Stabilization	12/7/2012	335,937	205,404	130,533
SWC		1207	5000	2011-13	Richland Co. WRD	Drain #65 Extension Project	6/19/2013	123,200	101,048	22,152
SWC		1312	5000	2011-13	Walsh Co. WRD	Forest River Flood Control Feasibility Study	6/19/2013	79,956	79,956	
SWC	AOC/RRBC		5000	2013-15	Red River Basin Commis	Red River Basin Commission Contractor	7/1/2013	200,000	200,000	
SWC	AOC/WEF		5000	2013-15	ND Water Education Fou	ND Water Magazine	7/1/2013	36,000	36,000	
SWC	PS/WRD/MRJ		5000	2013-15	Missouri River Joint WRE	Missouri River Joint Water Board (MRRIC) T. FLECK	7/1/2013	40,000	38,657	1,343
SWC	PS/WRD/MRJ		5000	2013-15	Missouri River Joint WRE	Missouri River Joint Water Board, (MRJWB) Start up	7/1/2013	20,000	10,996	9,004
SWC	PS/WRD/USR		5000	2013-15	Upper Sheyenne River J	Upper Sheyenne River WRB Administration (USRJWF	7/1/2013	12,000	7,503	4,497

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

COMPLETED GENERAL PROJECTS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Jun-15 Balance
SWC	1859	5000	2013-15	ND Dept of Health	NonPoint Source Pollution, Section 319	8/20/2013	200,000	200,000	
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	1056	5000	2013-15	Bottineau Co. WRD	Scandia/Scotia Drain Project	12/13/2013	140,634	140,634	
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	1140	5000	2013-15	Pembina Co. WRD	Drain No. 11 Outlet Extension Project	5/29/2014	125,760	125,760	
SWC	2045	5000	2013-15	Federal Coalition Agency	Federal/State LiDAR Collection Project	9/15/2014	75,000	75,000	
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
SWC	1878-02	5000	2011-13	Maple River WRD	Upper Maple River Dam Environmental Assessment -	1/29/2015	128,147	128,132	15
SWC	829	5000	2011-13	Rush River WRD	Rush River Watershed Retention Plan	2/19/2015	3,220	3,220	
SWC	2012	5000	2011-13	Southeast Cass WRD	Lower Sheyenne River Watershed Retention Plan	2/19/2015	104,492	104,492	
TOTAL							10,570,261	6,530,925	4,039,336

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2015-2017 BIENNIUM

Aug-15

	BUDGET	SWC/SE APPROVED	OBLIGATIONS EXPENDITURES	REMAINING UNOBLIGATED	REMAINING UNPAID
FLOOD CONTROL					
FARGO	228,506,200	99,506,200	0	129,000,000	99,506,200
GRAFTON	33,925,000	8,925,000	0	25,000,000	8,925,000
MOUSE RIVER FLOOD CONTROL	46,556,747	6,556,747	377,911	40,000,000	6,178,836
VALLEY CITY	32,208,354	14,208,354	0	18,000,000	14,208,354
LISBON	15,807,952	3,807,952	490,695	12,000,000	3,317,257
FORT RANSOM	225,000	225,000	0	0	225,000
WILLISTON	7,000,000			7,000,000	
RENWICK DAM	23,320	23,320	0	0	23,320
MISSOURI RIVER FLOOD CONTROL	4,000,000			4,000,000	
FLOODWAY PROPERTY ACQUISITIONS					
MINOT	23,879,316	23,879,316	774,638	0	23,104,678
WARD COUNTY	6,046,590	6,046,590	0	0	6,046,590
VALLEY CITY	267,403	267,403	0	0	267,403
BURLEIGH COUNTY	232,649	232,649	0	0	232,649
SAWYER	184,260	184,260	0	0	184,260
LISBON	45,485	45,485	0	0	45,485
STATE WATER SUPPLY					
REGIONAL & LOCAL WATER SYSTEMS	79,145,564	79,145,564	2,608,448	0	76,537,116
FARGO WATER TREATMENT PLANT	22,768,775	22,768,775	0	0	22,768,775
GRAND FORKS WATER TREATMENT PLANT	30,000,000			30,000,000	
SOUTHWEST PIPELINE PROJECT	103,699,786	48,699,785	5,851,791	55,000,000	42,847,994
NORTHWEST AREA WATER SUPPLY	15,754,482	5,754,482	38,380	10,000,000	5,716,102
WESTERN AREA WATER SUPPLY AUTHORITY	82,201,384	22,201,384	5,413,070	60,000,000	16,788,314
RED RIVER VALLEY WATER SUPPLY	12,521,328	12,521,328	1,004,800	0	11,516,528
CENTRAL NORTH DAKOTA WATER SUPPLY	70,070,800	70,800	0	70,000,000	70,800
UNOBLIGATED STATE WATER SUPPLY	78,832,700			78,832,700	
GENERAL WATER MANAGEMENT					
OBLIGATED	23,859,295	23,859,295	61,510	0	23,797,785
UNOBLIGATED GENERAL WATER	49,066,711			49,066,711	
DEVILS LAKE					
OUTLET	870,802	870,802	0	0	870,802
OUTLET OPERATIONS	18,534,210	7,534,210	503,292	11,000,000	7,030,918
DL EAST END OUTLET	2,774,011	2,774,011	0	0	2,774,011
REVOLVING LOAN FUND					
GENERAL WATER PROJECTS	11,000,000	886,500	886,500	10,113,500	0
WATER SUPPLY	25,000,000			25,000,000	
TOTALS	1,025,008,125	390,995,212	18,011,035	634,012,914	372,984,177

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2015-2017 Biennium

PROGRAM OBLIGATION

Approved SWC By	No	Dept	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Aug-15 Balance
Flood Control:								
SB 2020	1928-01	5000	City of Fargo	Fargo Flood Control Project	6/23/2009	99,506,200	0	99,506.2
	1771	5000	City of Grafton	Grafton Flood Control Project	3/11/2010	7,175,000	0	7,175.0
	1771	5000	City of Grafton	Grafton Flood Risk Reduction Project	12/5/2014	1,750,000	0	1,750.0
SB 2371	1974-08	5000	Souris River Joint WRD	Mouse River Reconnaissance Study to Meet Fed Guidelines	2/15/2013	809	0	8
	1974-09	5000	Souris River Joint WRD	4th Ave NE & Napa Valley/Forest Rd Flood Improvement	10/7/2013	4,890,512	377,911	4,512.6
	1758	5000	Souris River Joint WRD	International Joint Commission Study Board	5/29/2014	302,500	0	302.5
	1974-11	5000	Souris River Joint WRD	Funding of 214 agreement between SRJB & USACE	12/5/2014	106,500	0	106.5
	1993-01	5000	City of Minot	Downtown Infrastructure Improvements	9/15/2014	1,256,426	0	1,256.4
SB 2371	1344-01	5000	Valley City	Sheyenne River Valley Flood Control Project	12/5/2015	157,296	0	157.2
	1344	5000	Valley City	Sheyenne River Valley Flood Control Project PHII	5/20/2015	340,000	0	340.0
	1504-01	5000	Valley City	Permanent Flood Protection Project	12/5/2014	9,850,444	0	9,850.4
	1504-02	5000	Valley City	Permanent Flood Protection Project (LOAN)	12/5/2014	3,860,614	0	3,860.6
SB 2371	1344-02	5000	City of Lisbon	Sheyenne River Valley Flood Control Project	6/19/2013	92,810	26,149	66.6
	1991-01	5000	City of Lisbon	Permanent Flood Protection Project	5/29/2014	561,702	329,040	232.6
	1991-03	5000	City of Lisbon	Permanent Flood Protection - Levee C Project	3/11/2015	3,153,440	135,506	3,017.9
SB 2371	1344-03	5000	Fort Ransom	Sheyenne River Valley Flood Control Project	6/19/2013	225,000	0	225.0
	849	5000	Pembina Co. WRD	Renwick Dam Rehabilitation	6/26/2014	23,320	0	23.3
Subtotal Flood Control						133,252,573	868,606	132,383.91
Floodway Property Acquisitions:								
	1993-05	5000	City of Minot	Minot Phase 2 - Floodway Acquisitions	10/7/2013	23,879,316	774,638	23,104.6
SB 2371	1523-05	5000	Ward County	Ward County Phase 1, 2 & 3 - Floodway Acquisitions	1/27/2012	6,046,590	0	6,046.59
SB 2371	1504-05	5000	Valley City	Valley City Phase 1 - Floodway Acquisitions	7/23/2013	267,403	0	267.41
SB 2371	1992-05	5000	Burleigh Co. WRD	Burleigh Co. Phase 1 - Floodway Acquisitions	3/7/2012	232,649	0	232.64
SB 2371	2000-05	5000	City of Sawyer	Sawyer Phase 1 - Floodway Acquisitions	6/13/2012	184,260	0	184.26
	1991-05	5000	City of Lisbon	Lisbon - Floodway Acquisition	3/11/2015	45,485	0	45.48
Subtotal Floodway Property Acquisitions						30,655,703	774,638	29,881.06
State Water Supply Grants:								
	2373-35	5000	Grand Forks - Traill RWD	Grand Forks - Traill County WRD	6/13/2012	303,715	175,645	128.07
	2373-36	5000	Stutsman Rural RWD	Stutsman Rural Water System - Phase IIB, III	2/27/2013	4,443,172	1,299,984	3,143.18
	2373-38	5000	Stutsman Rural RWD	Kidder Co & Carrington Area Expansion	7/23/2013	991,361	0	991.36
	2373-39	5000	North Central Rural Water Consortium	Carpio Berthold Phase 2	5/29/2014	2,970,141	4,048	2,966.09
	2373-41	5000	North Central Rural Water Consortium	Granville-Deering Area	3/11/2015	5,594,102	82,505	5,511.59
	2050-01	5000	Missouri West Water System	South Mandan	3/17/2014	205,711	0	205.71
	2050-02	5000	Grand Forks Traill RWD	Improvements	3/11/2015	4,369,058	262,609	4,106.44
	2050-03	5000	Northeast Regional WD	Langdon RWD - ABM Pipeline Phase 1	10/7/2013	540,526	34,928	505.59
	2050-04	5000	Northeast Regional WD	Langdon RWD - North Valley Nekoma	3/11/2015	859,341	135,872	723.46
	2050-05	5000	Northeast Regional WD	North Valley WD - ABM Pipeline Phase 1	3/11/2015	292,958	13,773	279.18
	2050-06	5000	Northeast Regional WD	North Valley WD - 93 Street	3/11/2015	937,870	94,764	843.10
	2050-07	5000	Northeast Regional WD	North Valley WD - Rural Expansion	5/29/2014	1,481,717	2,201	1,479.51
	2050-08	5000	Walsh RWD	Ground Storage	10/7/2013	322,656	0	322.65
	2050-09	5000	City of Park River	Water Tower	3/11/2015	633,778	0	633.77
	2050-10	5000	City of Surrey	Water Supply Improvements	10/7/2013	1,117,800	0	1,117.80
	2050-11	5000	Cass RWD	Phase 2 Plant Improvements	10/7/2013	3,951,363	0	3,951.36
	2050-13	5000	City of Mandan	New Raw Water Intake	10/7/2013	1,567,676	0	1,567.67
	2050-14	5000	City of Mandan	Water Treatment Plant Improvements	10/7/2013	267,521	0	267.52
	2050-15	5000	City of Washburn	New Raw Water Intake	10/7/2013	2,334,250	0	2,334.25
	2050-16	5000	Tri-County RWD	Improvements	10/7/2013	845,000	0	845.00
	2050-17	5000	Barnes Rural RWD	Improvements	3/11/2015	6,512,662	202,450	6,310.21
	2050-18	5000	City of Grafton	Water Treatment Plant Phase 3	10/7/2013	3,381,148	0	3,381.14
	2050-19	5000	City of Grand Forks	Water Treatment Plant Improvements	10/7/2013	3,849,151	0	3,849.15
	2050-20	5000	City of Dickinson	Capital Infrastructure	2/27/2014	10,936,440	0	10,936.44
	2050-21	5000	Watford City	Capital Infrastructure	2/27/2014	1,897,040	0	1,897.04
	2050-22	5000	City of Williston	Capital Infrastructure	2/27/2014	4,119,610	0	4,119.61
	2050-23	5000	Greater Ramsey RWD	SW Nelson County Expansion	3/17/2014	4,199,547	299,669	3,899.87
	2050-24	5000	All Seasons Water District	System 1 Well Field Expansion	9/15/2014	292,500	0	292.50
	2050	5000	All Seasons Water District	Bottineau County Extension, Phase I	7/29/2015	896,000	0	896.00
	2050	5000	City of Fargo	Fargo Water System Regionalization Improvements	7/29/2015	6,841,750	0	6,841.75
	2050	5000	City of Tioga	Tioga Water Supply Improvement Project	7/29/2015	2,190,000	0	2,190.00
Subtotal State Water Supply						79,145,564	2,608,448	76,537.11
	1984-02	5000	City of Fargo	Fargo Water Treatment Plant	3/17/2014	22,768,775	0	22,768.77
	1736-05	8000	SWPP	Southwest Pipeline Project	7/11/2013	48,699,785	5,851,791	42,847.99
	2374	9000	NAWS	Northwest Area Water Supply	7/11/2013	5,754,482	38,380	5,716.10
	1973-02	5000	WAWSA	WAWSA - (GRANT)	10/7/2013	12,061,806	2,617,045	9,444.76
	1973-03	5000	Bank of North Dakota	WAWSA - (LOAN)	10/7/2013	10,139,578	2,796,026	7,343.55
	325-102	5000	RRWWSP	Red River Valley Water Supply - Intake Design Study	5/29/2014	162,328	4,800	157.52
SB 2020	325-104	5000	Garison Diversion	Red River Valley Water Supply Project	7/29/2015	12,359,000	1,000,000	11,359.00
	2051	5000	Central ND Water Supply	Black and Veatch investigation	1/27/2015	70,800	0	70.80
Subtotal State Water Supply						112,016,554	12,308,041	99,708.512

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2015-2017 Biennium

PROGRAM OBLIGATION

Approved SWC By	No	Dept	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Aug-15 Balance	
				<i>General Water Management</i>					
				<i>Hydrologic Investigations:</i>					
	1395D	3000	U. S. Geological Survey	Eaton Irrigation Project on the Souris River	7/13/2012	15,300	0	15,300	
				<i>Hydrologic Investigations Obligations Subtotal</i>					
				<i>Remaining Hydrologic Investigations Authority</i>					
				<i>Hydrologic Investigations Authority Less Payments</i>					
						<i>General Projects Obligated</i>	22,698,089	25,571	22,672,518
						<i>General Projects Completed</i>	35,939	35,939	
						<i>Subtotal General Water Management</i>	23,859,295	61,510	23,797,785
				<i>Devils Lake Basin Development:</i>					
SWC	416-07	5000	Multiple	Devils Lake Outlet	7/1/2013	870,802	0	870,802	
SWC	416-10	4700	Operations	Devils Lake Outlet Operations	7/1/2013	7,534,210	503,292	7,030,918	
SWC	416-15	5000	Multiple	DL East End Outlet	7/1/2013	2,774,011	0	2,774,011	
						<i>Devils Lake Subtotal</i>	11,179,023	503,292	10,675,731
				<i>Revolving Loan Fund:</i>					
SWC	1991-04	5000	City of Lisbon	Permanent Flood Protection - Levee C (LOAN)	3/11/2015	886,500	886,500		
						<i>Revolving Loan Fund Subtotal</i>	886,500	886,500	
TOTAL						390,995,212	18,011,035	372,984,177	

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2015-2017 Biennium
Resources Trust Fund

GENERAL PROJECT OBLIGATIONS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Aug-17 Balanc
HB 2305	1963	5000	2009-11	Emmons County WRD	Beaver Bay Embankment Feasibility Study	8/10/2009			18,078
SB2009	1986	5000	2015-17	USDA-APHIS,ND Dept Agricu	USDA Wildlife	9/9/2015	250,000	0	250,000
SE	1967	5000	2009-11	Grand Forks Co. WRD	Grand Forks County Legal Drain No. 55 2010 Contract	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/Richk	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	1991	5000	2011-13	City of Lisbon	Sheyenne 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	12,514	0	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	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	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 Location	2/3/2015	11,063	0	11,063
SE	AOC/MVUA	5000	2011-13	ND Water Users Association	Dave Koland Term as WUA President	3/23/2015	9,672	0	9,672
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	Sheyenne 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
SE	1219	5000	2013-15	Sargent Co WRD	Drain No. 8 Channel Improvement Preliminary Enginee	5/7/2015	6,650	0	6,650
SE	1814	5000	2013-15	Richland Co. WRD	Wild Rice River Snagging & Clearing - Bridge #121-2	5/28/2015	16,000	0	16,000
SE	1314	5000	2013-15	Wells Co. WRD	Hurdsfield Area Drain Preliminary Engineering Project	6/11/2015	35,000	0	35,000
SE	1815	5000	2013-15	Ransom Co. WRD	Sheyenne River Snagging & Clearing - Fort Ransom R	6/11/2015	6,350	0	6,350
SE	1264	5000	2013-15	Barnes Co WRD	Little Dam Repurposing Feasibility Study	6/17/2015	16,100	0	16,100
SE	1311	5000	2013-15	Traill Co. WRD	Buxton Township Improvement District No. 68	6/17/2015	15,745	0	15,745
SE	1303	5000	2013-15	Sargent Co WRD	Upper Wild Rice Watershed Study	6/24/2015	73,500	0	73,500
SE	1140	5000	2015-17	Pembina Co. WRD	Drain 11 Outlet Extension Cost Overrun Project	7/7/2015	5,088	0	5,088
SE	1290	5000	2015-17	McLean Co. WRD	Painted Woods Lake Flood Mitigation Study	7/7/2015	24,500	0	24,500
SE	2045	5000	2013-15	Stark County	Stark County LiDAR Collection Project (FEMA)	7/17/2015	33,584	0	33,584
SE	2055	5000	2015-17	Red River Joint Water Resour	Lower Red Basin Regional Detention Study	7/17/2015	45,500	0	45,500
SE	849	5000	2015-17	Pembina Co. WRD	Renwick Dam Gate Repair	9/4/2015	20,804	0	20,804
SE	2058	5000	2015-17	City of Grafton	Grafton Debris Removal Plan	9/17/2015	3,900	0	3,900
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	731,000	0	731,000
SWC	1638	5000	2009-11	Multiple	Red River Basin Non-NRCS Rural/Farmstead Ring Di	6/23/2009	177,864	0	177,864
SWC	1960	5000	2009-11	Ward Co. WRD	Puppy Dog Coulee Flood Control Diversion Ditch Cons	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	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 Certificatic	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	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	1705	5000	2011-13	Red River Joint Water Resour	Red River Joint WRD Watershed Feasibility Study - Pt	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	829	5000	2011-13	Rush River WRD	Rush River WRD Berlin's Township Improvement Distr	10/19/2011	101,317	0	101,317
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	10,000	0	10,000
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	2009-02	5000	2011-13	Southeast Cass WRD	Recertification of the Horace to West Fargo Diversion	9/17/2012	25,504	0	25,504
SWC	1401	5000	2009-11	Pembina Co. WRD	International Boundary Roadway Dike Pembina	9/27/2012	261,032	0	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	Sheyenne River Snagging & Clearing Project	12/7/2012	75,000	0	75,000
SWC	346	5000	2011-13	Williams County WRD	Epping Dam Evaluation Project	2/27/2013	66,200	0	66,200
SWC	1135	5000	2011-13	Pembina Co. WRD	Drain #4 Reconstruction Project	6/19/2013	2,673	0	2,673
SWC	1438	5000	2011-13	Cavalier County WRD	Mulberry Creek Phase IV Reconstruction Project	6/19/2013	102,019	0	102,019
SWC	2022	5000	2011-13	Pembina Co. WRD	Drain #73 Project	6/19/2013	350,400	0	350,400
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	197,604	0	197,604
SWC	PS/WRD/MRJ	5000	2013-15	Missouri River Joint WRB	Missouri River Coordinator	10/7/2013	37,094	14,327	22,767
SWC	1242	5000	2013-15	Traill Co. WRD	Rust Drain No. 24 Project	12/13/2013	25,152	0	25,152
SWC	1389	5000	2013-15	Bank of ND	BND AgPace Program	12/13/2013	180,316	3,671	176,645
SWC	1758	5000	2013-15	USGS	Stochastic Model for the Mouse River Basin	12/13/2013	40,000	0	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 Damag	12/13/2013	134,400	0	134,400
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	1878-02	5000	2011-13	Maple-Steele WRD	Upper Maple River Dam Construction Phase	12/13/2013	4,702,936	0	4,702,936
SWC	CON/WIL/CARL	5000	2013-15	Garrison Diversion Conservan	Will and Carlson Consulting Contract	12/13/2013	26,451	0	26,451
SWC	1082	5000	2013-15	Rush River WRD	Cass Co. Drain No. 30 Channel Improvement Project	3/17/2014	5,976	0	5,976
SWC	1968	5000	2013-15	Garrison Diversion	McClusky Canal Mile Marker 10 & 49 Irrigation Project	3/17/2014	256,321	0	256,321

STATE WATER COMMISSION
PROJECTS/GRANTS/CONTRACT FUND
2015-2017 Biennium
Resources Trust Fund

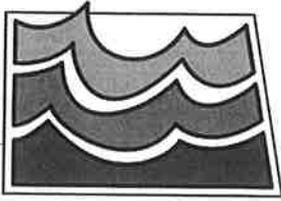
GENERAL PROJECT OBLIGATIONS

Approved SWC By	No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Aug-1 Balanc
SWC	2008	5000	2013-15	City of Mapleton	Recertification of Flood Control Levee System Project	3/17/2014	101,100	0	101,100
SWC	1418	5000	2013-15	City of Bisbee	Big Coulee Dam Feasibility Study	5/29/2014	10,963	0	110,063
SWC	1444	5000	2013-15	City of Pembina	2014 Flood Protection System Modification Project	5/29/2014	61,331	0	171,394
SWC	1577	5000	2013-15	City of Killdeer & Dunn Co.	Floodplain Mapping Project	5/29/2014	55,000	0	226,394
SWC	2045	5000	2013-15	Mercer Co. WRD	LiDAR Collection Project	5/29/2014	10,425	0	236,819
SWC	2048	5000	2013-15	City of Marion	Marion Flood Mitigation & Lagoon Drainage Project	5/29/2014	116,659	0	353,478
SWC	1753/1523?	5000	2013-15	Ward Co. Hwy Dept	County Road 18 Flood Control Project	5/29/2014	325,208	0	678,686
SWC	1932	5000	2005-07	Nelson Co. WRD	Michigan Spillway Rural Flood Assessment	8/15/2014	832,207	0	1,510,893
SWC	1625	5000	2013-15	Houston Engineering	(OHWM) Ordinary High Water Mark Delineations	8/20/2014	4,560	0	1,515,453
SWC	1227	5000	2011-13	Traill Co. WRD	Mergenthal Drain No. 5 Reconstruction	9/15/2014	18,502	0	1,533,955
SWC	1285	5000	2013-15	LaMoure County	LaMoure Co Memorial Park Streambank Restoration	9/15/2014	91,042	0	1,625,000
SWC	1314	5000	2013-15	Wells Co. WRD	Oak Creek Drain Lateral E Reconstruction Project	9/15/2014	73,057	0	1,698,057
SWC	1613	5000	2013-15	North Cass Co. WRD	Cass County Drain No. 55 Channel Improvements Pro	9/15/2014	99,923	0	1,797,980
SWC	1613	5000	2013-15	Richland Co. WRD	Drain No. 15 Reconstruction Project	9/15/2014	60,300	0	1,858,280
SWC	1991	5000	2013-15	City of Lisbon	Sheyenne Riverbank Stabilization Project	9/15/2014	163,720	0	2,021,999
SWC	2042	5000	2013-15	Bottineau Co. WRD	Haas Coulee Drain Project	9/15/2014	500,000	0	2,521,999
SWC	2045	5000	2013-15	McKenzie Co. Commission	LiDAR Collection Project	9/15/2014	262,308	0	2,784,307
SWC	PS/WRD/ELM	5000	2013-15	Elm River Joint WRD	Dam #3 Safety Improvements Project	9/15/2014	7,297	0	2,791,604
SWC	568	5000	2013-15	Southeast Cass WRD	Sheyenne River Reaches Snagging & Clearing Project	12/5/2014	94,238	0	2,885,842
SWC	228	5000	2013-15	USGS	Operation & Maint of Gaging Station on the Missouri R	12/8/2014	8,970	0	2,894,812
SWC	980	5000	2013-15	Cass Co. Joint WRD	Rush River Watershed Detention Study	3/11/2015	120,750	0	2,995,562
SWC	980	5000	2013-15	Cass Co. Joint WRD	Swan Creek Watershed Detention Study PHII	3/11/2015	120,750	0	3,116,312
SWC	980	5000	2013-15	Cass Co. Joint WRD	Upper Maple River Watershed Detention Study	3/11/2015	120,750	0	3,237,062
SWC	1064	5000	2013-15	Rush River WRD	Cass County Drain No. 2 Channel Improvements Proje	3/11/2015	106,989	0	3,344,051
SWC	1217	5000	2013-15	Tri-County WRD	Tri-County Drain Reconstruction Project	3/11/2015	911,881	0	4,255,932
SWC	1294	5000	2013-15	Nelson Co. Park Board	Stump Lake Park Bank Stabilization Project	3/11/2015	115,436	0	4,371,368
SWC	1418	5000	2013-15	City of Bisbee	Design & Repair of Big Coulee Dam	3/11/2015	862,218	0	5,233,586
SWC	2007	5000	2011-13	Maple River WRD	Pontiac Township Improvement District No. 73 Project	5/11/2015	747,093	0	5,980,679
SWC	1224	5000	2013-15	Traill Co. WRD	Palace Drain Improvement District No. 80	5/20/2015	118,933	7,574	6,099,182
SWC	1977	5000	2011-13	Dickey-Sargent Co WRD	Jackson Township Improvement Dist. #1	5/20/2015	1,601,325	0	7,700,507
SWC	AOC/RRBC	5000	2015-17	Red River Basin Commission	Red River Basin Commission Contractor	5/20/2015	200,000	0	7,900,507
SWC	AOC/WEF	5000	2015-17	ND Water Education Foundatio	ND Water Magazine	5/20/2015	36,000	0	7,936,507
SWC	PS/WRD/DEV	5000	2015-17	Devils Lake Joint WRB	DL Manager	5/20/2015	60,000	0	8,000,507
SWC	PS/WRD/MRJ	5000	2015-17	Missouri River Joint WRB	Missouri River Joint Water Board, (MRJWB) Start up	5/20/2015	20,000	0	8,020,507
SWC	PS/WRD/MRJ	5000	2015-17	Missouri River Joint WRB	Missouri River Joint Water Board (MRRIC) T. FLECK	5/20/2015	45,000	0	8,065,507
SWC	PS/WRD/UPP	5000	2015-17	Upper Sheyenne River Joint W	Upper Sheyenne River WRB Administration (USRJWR	5/20/2015	12,000	0	8,077,507
SWC	2013	5000	2011-13	Richland-Cass Joint WRD	Wild Rice River Watershed Retention Plan	6/8/2015	45,905	0	8,123,412
SWC	1978	5000	2011-13	Richland & Sargent Joint WRC	Richland & Sargent WRD RS Legal Drain No. 1 Extens	7/23/2015	245,250	0	8,368,662
SWC	2003-02	5000	2011-13	Southeast Cass WRD	Re-Certification of the West Fargo Diversion Levee Sy	7/23/2015	52,564	0	8,421,226
SWC	1859	5000	2015-17	ND Dept of Health	NPS Pollution Project	7/29/2015	200,000	0	8,621,226
SWC	1992	5000	2011-13	Burleigh Co. WRD	Burnt Creek Flood Restoration Project	7/29/2015	179,890	0	8,801,116
SWC	AOC/ASS	5000	2015-17	Assiniboine River Basin	Assiniboine River Basin Initiative Funding	7/29/2015	100,000	0	8,901,116
TOTAL							22,698,089	25,571	22,672

STATE WATER COMMISSION
 PROJECTS/GRANTS/CONTRACT FUND
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 Resources Trust Fund

COMPLETED GENERAL PROJECTS

Approved By	SWC No	Dept	Approved Biennium	Sponsor	Project	Initial Approved Date	Total Approved	Total Payments	Aug-15 Balance	
SWC	980	5000	2011-13	Maple River WRD	Maple River Watershed Flood Water Retention Study/	2/19/2015	3,687	3,687		
SWC	1792	5000	2009-11	Southeast Cass WRD	SE Cass Wild Rice River Dam Study Phase II	1/29/2015	32,252	32,252		
TOTAL								35,939	35,939	



North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM: Todd Sando, P.E., Chief Engineer/Secretary
SUBJECT: Mouse River Enhanced Flood Protection Project Status Update
DATE: September 21, 2015

Federal Coordination:

There are several interrelated processes currently under way involving the Corps of Engineers:

1- SWIF (System Wide Improvement Framework). This program is intended to lay out a time table for correcting all deficiencies in the current flood protection works. Some of them may be addressed by constructing the new project, some may not. Either way the cities will need protection during the interim construction period. This pertains to the cities of Burlington, Minot, Sawyer, and Velva, and some intervening areas. This is a detailed process over a large area and several jurisdictions.

2- 408 Permit. This is the permit required for modification of existing federal works. Earlier the Commission granted a cost-share request to the Souris River Joint Water Resources Board to fund the Corps in processing this matter. Granting the permit would be a federal action, and so requires environmental examination.

3- EIS (Environmental Impact Statement). Discussions with the Corps concluded that this project would require an Environmental Impact Statement rather than the more abbreviated Environmental Assessment. The Commission also granted cost share funding for this activity. This document would also serve for any other permitting requirements that may be needed, such as Section 404 permits and others. Work has begun on the EIS.

The 408 permit also requires a completed SWIF, so these three activities are interactive.

4- Potential Corps Feasibility Study. Since the Corps is now funded to undertake new starts, there is the potential for their involvement in this project. Fortunately our efforts to maintain contact with the St. Paul District have created a high level of familiarity on the project which will be valuable if they are able to participate. The Corps policy on projects has changed over the last several years. A new start now begins with a Feasibility Study (rather than the Reconnaissance Study), and it is initiated at three levels simultaneously: the District (St. Paul); Division (Mississippi River); and Headquarters (Washington D.C.). Although this should enable a much more efficient process, it assumes a very fast familiarization within the various Corps levels. Fortunately, within

JACK DALRYMPLE, GOVERNOR
CHAIRMAN

TODD SANDO, P.E.
CHIEF ENGINEER AND SECRETARY

Mouse River Enhanced Flood Protection Project Status Update

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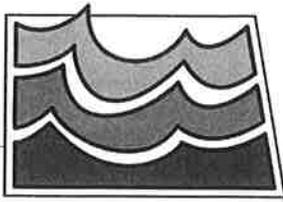
September 21, 2015

the last three months, the commanders of the Mississippi River Division and headquarters office have both visited the State and discussed the project. Both had positive comments.

Meanwhile design continues. Submittals of the 30 percent design have been received for Phases 2 & 3. This component is also being coordinated with the Department of Transportation as it intersects the Burdick Expressway at the bridge which will be enlarged at about the same time as the levees are under construction. Coordination has been positive and fruitful. The 4th Avenue floodwall is also progressing.

TSS:JTF:pdh/1974

October 6, 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: September 9, 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 initially consisted of 250 miles of 8" -1½" PVC pipe serving 341 rural water customers. The contractor mobilized to the site during the week of April 27, 2015, to begin construction for the 2015 construction season, and as of end of August, has completed installation of approximately 177 miles of pipeline and 270 users. The contractor has turned over 150 users for service. Nine change orders have been signed by all parties to date, which added 39 additional users and 26 more miles of pipeline to the contract. A few more field orders are outstanding on the project. The new substantial completion date based on Change Order No. 9 is July 16, 2016. The Southwest Water Authority Board of directors decided during their September 8th meeting to stop taking more sign ups under this contract.

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. For the 2015 construction season, the contractor mobilized to the site on April 8, 2015 and has completed installation of approximately 149 miles of pipeline and 113 users. The contractor has turned over 72 users. The 54 users within the intermediate completion area were turned over to SWA on August 13, 2015. The contractor has requested a 27-day extension to the intermediate and substantial completion date to account for rain days and delays caused by extended load restrictions. Their request is under review. The Southwest Water Authority Board of directors decided during their September 8th meeting to stop taking more sign ups under this contract.

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 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

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CHIEF ENGINEER AND SECRETARY

pipelines, 2 prefabricated steel meter vaults, road crossings and related appurtenances. This contract has two intermediate completion dates. The first intermediate completion date was August 15, 2014 for Bid Schedule 1, which is from north of Halliday to the Dunn Center Elevated tank. The second intermediate completion date was 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 was to be substantially complete on or before August 1, 2015, which included 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 WTP.

The Commission awarded Contract 2-8F to Carstensen Contracting, Inc. during its February 27, 2014 conference call meeting. Pipeline installation is complete. Bid Schedule 1 and Bid Schedule 2A were turned over for service on March 13, 2015 and April 29, 2015 respectively. Testing, disinfection of the pipeline and reclamation of the disturbed area remains to be completed. 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 tank was turned over for service on August 13, 2015. The contractor signed the latest partial pay estimate protesting the liquidated damages withheld.

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 tank was considered substantially complete on November 23, 2014.

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. Minor valve changes, sanitary sewer changes and sidewalk and stoop repairs remain to be completed before the contract is closed.

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 awarded Bid Schedule 1 to Swanberg Construction Inc., and Bid Schedule 2 to Northern Improvement Company at its March 11, 2015 meeting.

Bid Schedule 1 consists of furnishing and installing approximately 170 miles of 6" – 1 ½ " ASTM D2241 PVC gasketed joint pipe and 171 services. The area is east of Halliday. Bid Schedule 1 has an Intermediate Completion Date of November 1, 2015 for a portion identified as "Intermediate Completion Area" on the drawings. This area includes approximately 37 miles of pipe and 32 services. The substantial completion date for Bid Schedule 1 is August 1, 2016.

Bid Schedule 2 consists of furnishing and installing approximately 160 miles of 6" – 1 ½ " ASTM D2241 PVC gasketed joint pipe and 224 services. The area is west of Halliday. The substantial completion date for Bid Schedule 2 is September 15, 2016.

The preconstruction conference for Bid Schedule 2 was held on June 17, 2015 and the contractor started construction on June 29, 2015. The contractor has completed installation of approximately 44 miles of pipeline and 74 users. To date, 4 change orders have been signed by all parties, which added 4 miles of pipeline and 21 additional users.

Swanberg Construction Inc., is the contractor on Contract 7-9G Bid Schedule 1 and Contract 7-9E. Construction on Contract 7-9G Bid Schedule 1 may be delayed due to easement issues in the 7-9G Bid Schedule 1 area, and the Contractor will have to split their current crews and effort. Most of the easements have been obtained in the Contract 7-9E area, and it makes construction progress on Contract 7-9E more effective.

Other Contracts

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. Installation of the precast walls is complete. Installation of pipelines inside and outside the building is ongoing.

Roof installation is mostly complete. Installation of pump components, electrical work and HVAC work is ongoing.

Contract 1-2A Supplemental Raw Water Intake:

The first section of the intake pipe was lowered on July 15, 2015. Through August 6, 2015 the tunnel drive had progressed approximately 955 feet. Since then the contractor has encountered multiple issues with the shaft seal and intermediate jacking stations. Because of the issues, the tunnel has not progressed well. As of August 25, 2015 the total tunnel length was 982 feet. Since August 25, the tunneling operation is completely suspended and the contractor estimates resuming tunneling during the first week of October.

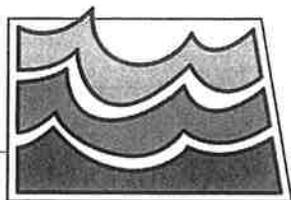
Contract 3-2 Six (6) MGD Water Treatment Plant at Dickinson:

Contract 3-2D Dickinson WTP Contract – This contract is currently advertised for bids with a bid opening date of September 24, 2015. This contract will be discussed in detail in a separate memo.

Project Update

Raw Water Line Capacity Upgrade:

We received the draft alignment memo for the parallel piping from the intake to zap reservoirs from Bartlett & West/AECOM, and it is currently under review.



North Dakota State Water Commission

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MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM:  Todd Sando, P.E., Chief Engineer-Secretary
SUBJECT: NAWS – Project Update
DATE: September 25, 2015

Supplemental EIS

Reclamation issued the Record of Decision for the Final Supplemental Environmental Impact Statement (FSEIS) for the Northwest Area Water Supply on August 21, 2015. Reclamation received seven comment letters on the FSEIS, which along with point-by-point responses were included as an appendix to the Record of Decision.

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. Our legal counsel has been discussing the filing schedule with the litigation attorneys for the Department of Justice and the Department of the Interior.

A joint status update was provided to the Federal Court on June 22, 2015 stating a Record of Decision was anticipated shortly. In the previous update in March, 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. The court had previously been notified of maintenance activity necessary at the Minot Water Treatment Plant to ensure its continued operation focused primarily on the lime storage, handling, and softening facilities. A specific authorization has been executed for this design work.

NAWS High Service Pump Station

A pre-construction conference for Contract 4-2A-1 was held September 2, 2015. This contract will include furnishing and installing a 125 hp 'Jockey' pump to compliment the existing 350 hp pumps and maintenance work in the pump station.

TSS:TJF:pdh/237-04

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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: September 15, 2015

The September 15th water surface elevation of Devils Lake is 1450.8 feet, which is .5 feet lower than a month ago and 1.6 feet lower from a year ago.

The precipitation for the basin has varied greatly for the summer, with values below and above normal. In the last 30 days 5.31 inches (231 percent above normal) was recorded at Crary and 2.08 inches (87 percent below normal) was recorded in Cando.

The National Weather Service probabilities predict decreases in the lake level for the period of September 1st to November 30th. There is a 90 percent chance for the level to recede to 1450.5 ft-msl; a 50 percent chance to 1450.3 ft-msl and a 10 percent chance to 1450.2 ft-msl.

The outlets are currently flowing at a combined capacity of 550 cfs. The West End Outlet is at full discharge capacity, 250 cfs. The East End Outlet is operating at 300 cfs, with 4 of the 5 pumps running, since August 19th. The East End Outlet was reduced in an effort to maintain the sulfate concentration standard in the upper Sheyenne River as the base flow continued to decrease and the natural sulfates increase.

From April to the end of August in 2015 the total volume pumped from both outlets is 103,851 acre-feet. This compares to 87,847 acre-feet pumped in 2014 at this time. At this time the volume would equate to about 7 inches of depth on the lake.

The Upper Sheyenne River Joint Water Resource Board had a meeting in Cooperstown on August 19, 2015. Many Landowners along the Sheyenne River were in attendance and raised concerns from flows in the river from the Devils Lake Outlets. Concerns included; bank erosion, siltation, livestock issues and flooding. The mitigation plan was discussed along with a request to document channel conditions during periods of low flows when conditions are more evident.

TS:JK:ph/416-10



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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: September 15, 2015

System/Reservoir Status

System volume on September 10 in the six mainstem reservoirs was 60.1 million acre-feet (MAF), 4.0 MAF above the base of flood control. This is 3.0 MAF above the average system volume for the end of August, and 1.0 MAF less than last year.

On September 10, Lake Sakakawea was at an elevation of 1842.3 feet msl, 4.8 feet above the base of flood control. This is 2.6 feet lower than a year ago and 4.2 feet above its average end of August elevation. The minimum end of August elevation was 1812.1 feet msl in 2006 and the maximum end of August elevation was 1851.2 feet msl in 1975.

The elevation of Lake Oahe was 1612.5 feet msl on September 10, 5.0 feet above the base of flood control. This is 2.6 feet lower than last year and 10 feet higher than the average end of August elevation. The minimum end of August elevation was 1570.3 feet msl in 2006, and the maximum end of August elevation was 1617.1 feet msl in 1997.

The elevation of Fort Peck was 2235.0 feet msl on September 10, 1.0 foot above the base of flood control. This is 2.7 feet higher than a year ago and 3.4 feet higher than the average end of August elevation. The minimum end of August elevation was 2200.9 feet msl in 2007, and the maximum end of August elevation was 2248.5 feet msl in 1975.

The Master Manual provides for a system volume check on September 1st of every year to determine the winter release rate from Gavins Point Dam. If the volume of water in the system is more than 58.0 MAF on September 1st the average winter release rate is 17,000 cfs. System volume on September 1, 2015, was 60.3 MAF, which would specify a release rate of 17,000 cfs from Gavins Point Dam this winter (December through February).

Low Fall Missouri River Flows at Bismarck

The Corps plans to reduce releases from Garrison Dam to 13,000 cfs by September 21. According to the Corps' monthly reservoir forecast, releases of 13,000 cfs are expected to continue through October and November, after which releases are forecasted to increase to about 19,000 cfs by January.

Garrison Dam releases of 13,000 cfs occurred in late September, October, and November in 2013. Actual flows at Bismarck were slightly higher than 13,000 cfs due to runoff downstream of the dam. During that time, the stage at Bismarck on the Missouri River was about 2.5 to 3 feet. It is expected that approximately the same stage will occur this year when flows are decreased.

El Nino Winter Outlook

In August, the National Weather Service released an El Nino Winter Outlook for the Missouri River Basin region. It is predicted that the general trend this winter will include above-normal temperatures in much of the Missouri River Basin region, especially across the northern part of the basin, and reduced snowpack in the northern Rockies and plains.

Annual Operating Plan (AOP) Meeting

The Corps plans to release the draft 2015-2016 AOP near the end of September. The fall AOP public meeting in Bismarck is scheduled for Wednesday, October 28 at 6pm at the Bismarck Event Center. The SWC will be providing comments.

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. The Committee was established in 2008. MRRIC has nearly 70 members representing local, state, tribal, and federal interests throughout the Missouri River basin.

MRRIC is providing support to the Corps in 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 goal of this effort is to create a new recovery management plan that also incorporates adaptive management.

MRRIC met in Omaha on August 25 to 27. The Corps informed MRRIC that three alternatives to be evaluated in the draft EIS are: (1) No Action, (2) 2003 Amended Biological Opinion, and (3) Adaptive Management. Adaptive Management could include all mechanical construction, pulsing water from the dams in combination with mechanical construction, or it could include other actions that the science says is needed for recovery of the three species. The Corps is already stressing that "All Mechanical" is not feasible because of budget constraints. So, they are looking to use water to create and maintain bird habitat.

If Adaptive Management is the preferred alternative in the EIS, it could lead to operation changes in the Master Manual. This could be possible because the Adaptive

Management Alternative would be vetted through the MRRIC NEPA process; and therefore, if the Adaptive Management process leads to an action that is outside the constraints of the Master Manual, it could be implemented by the Corps without any additional NEPA requirements. In that situation where Adaptive Management requires an action outside the Master Manual, the Corps would decide how much public input is needed. It could be as simple as presenting the new action at the AOP meetings, or it could be a more involved public input process.

North Dakota Missouri River Advisory Council (Formerly Missouri River Stakeholders)

On August 25, the Missouri River Stakeholders group met to hold a first formal board meeting, including members that were recommended from the two workshops that were held during the fall of 2014 and summer of 2015.

The first issue that the members addressed was a formal name for the group. The vast majority supported North Dakota Missouri River Advisory Council (NDMRAC). The members of the NDMRAC later decided to expand the membership, adding all eleven mainstem counties. The current list of proposed NDMRAC members is attached.

The group also moved forward with decisions related to an Executive Board of Directors, which would be made up of a smaller subgroup of the membership, and that would be tasked with the more frequent decision-making required of the NDMRAC. It was decided that the Executive Board of Directors would be made up of thirteen individuals representing the following interest areas: flood control, water supply, water quality, hydropower, fish and wildlife, irrigation, recreation, thermal electric power, conservation/environment, landowners, counties/townships, cities, and Native American Tribes.

Water Commission staff are currently in the process of requesting representatives from each of the member organizations and political subdivisions. Once member representatives have been identified, those individuals will be asked to submit nominations for the thirteen Executive Board of Directors positions/categories.

TSS:LCA:PMF:pdh/1392

NORTH DAKOTA STATE WATER COMMISSION

COST-SHARE POLICY, PROCEDURE, AND GENERAL REQUIREMENTS

The State Water Commission has adopted this policy to support local sponsors in development of sustainable water related projects in North Dakota. This policy reflects the State Water Commission's cost-share priorities and provides basic requirements for all projects considered for prioritization during the agency's budgeting process. Projects and studies that receive cost-share funding from the agency's appropriated funds are consistent with the public interest. The State Water Commission values and relies on local sponsors and their participation to assure on-the-ground support for projects and prudent expenditure of funding for evaluations and project construction. It is the policy of the State Water Commission that only the items described in this document will be eligible for cost-share upon approval by the State Water Commission, unless specifically authorized by State Water Commission action.

I. DEFINITIONS AND ELIGIBILITY

- A. **CONSTRUCTION COSTS** include earthwork, concrete, mobilization and demobilization, dewatering, materials, seeding, rip-rap, ~~crop damages~~, re-routing electrical transmission lines, moving storm and sanitary sewer system and other underground utilities and conveyance systems affected by construction, mitigation required by law related to the construction contract, irrigation supply works, and other items and services provided by the contractor. Construction costs are only eligible for cost-share if incurred after State Water Commission approval and if the local sponsor has complied with North Dakota Century Code (N.D.C.C.) in soliciting and awarding bids and contracts, and complied with all applicable federal, state, and local laws.
- B. **COST-SHARE** is grant or loan funds provided through the State Water Commission.
- C. **ENGINEERING SERVICES** include pre-construction and construction engineering. Pre-construction engineering is the engineering necessary to develop plans and specifications for permitting and construction of a project including preliminary and final design, material testing, flood insurance studies, hydraulic models, and geotechnical investigations. Construction engineering is the engineering necessary to build the project designed in the pre-construction phase including construction contract management, and project inspection. Administrative, and support services ~~not specific to the approved project~~, are not engineering services. Engineering services are eligible costs if incurred after State Water Commission approval. If cost-share is expected to be greater than \$25,000, the local sponsor must follow the engineering selection process in NDCC 54-44.7 and provide a copy of the selection committee report to the Chief Engineer. The local sponsor will be considered to have complied with this requirement if they have completed this

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selection process for a general engineering services agreement at least once every three years and have formally assigned work to a firm or firms under an agreement. The local sponsor must inform the Chief Engineer of any change in the provider of general engineering services.

- D. **IMPROVEMENTS** are construction related projects that upgrade a facility to provide increased efficiency or capacity. Improvements do not include any activities that are maintenance, replacement, or reconstruction.

- E. **INELIGIBLE ITEMS** excluded from cost-share include:
 - 1 Administrative, easement, and permit related costs;
 - 2 Property acquisitions, property surveys, and legal expenses unless specifically identified as eligible within the Flood Recovery Property Acquisition Program, the Flood Protection Program, or the Water Retention Projects;
 - 3 Work and costs incurred prior to a cost-share approval date, except for emergencies as determined by the Chief Engineer;
 - 4 Project related operation, maintenance, replacement, and reconstruction costs;
 - 5 Funding contributions provided by federal, other state, or other North Dakota state entities that supplant costs;
 - 6 Work incurred outside the scope of the approved study or project.

- F. **EXPANSIONS** are construction related projects that increase the project area or users served. Expansions do not include maintenance, replacement, or reconstruction activities.

- G. **LOCAL SPONSOR** is the entity submitting a cost-share application and must be a political subdivision, state entity, or commission legislatively granted North Dakota recognition that applies the necessary local share of funding to match State Water Commission cost-share. They provide direction for studies and projects, public point of contact for communication on public benefits and local concerns, and acquire necessary permits and rights-of-way.

- H. **MAINTENANCE COSTS** include repairs, deferred repairs, and general upkeep of facilities to allow facilities to continue proper operation and function.

- I. **PROGRAM** is a subcategory of cost-share that is typically associated with a federal initiative and may cover all phases of a study or implementation of a project.

- J. **PROJECT** is the water-related construction activity.

- K. **REPLACEMENT AND RECONSTRUCTION COSTS** include the removal of portions of facilities or components that have completed their useful life and substitution with different components to obtain the same or similar function of the original facilities or components.

- L. **SUSTAINABLE OPERATION, MAINTENANCE, AND REPLACEMENT PLAN** is a description of the anticipated operation, maintenance, and replacement costs with a statement that the operation, maintenance, and replacement of the project will be sustainable by the local sponsor.

II. **COST-SHARE APPLICATION AND APPROVAL PROCEDURES.** The State Water Commission will not consider any cost-share applications for water related projects or studies unless the local sponsor first makes an application to the Chief Engineer. No funds will be used in violation of Article X, § 18 of the North Dakota Constitution (Anti-Gift Clause).

- A. **APPLICATION REQUIRED.** An application for cost-share is required in all cases and must be submitted by the local sponsor on the State Water Commission Cost-Share Application form. Applications for cost-share are accepted at any time. Applications received less than 30 days before a State Water Commission meeting will not be considered at that meeting and will be held for consideration at a future meeting. The application form is maintained and updated by the Chief Engineer and must include the following:

- 1 Category of cost-share activity
- 2 Location of the proposed project or study area
- 3 Description, purpose, goal, objective, narrative of the proposed activities
- 4 Delineation of costs
- 5 Potential federal, other state, or other North Dakota state entity participation
- 6 Engineering plans, if applicable
- 7 Status of required permitting
- 8 Potential territorial service area conflicts or service area agreements, if applicable
- 9 Sustainable operation, maintenance, and replacement plan for projects
- 10 Additional information as deemed appropriate by the Chief Engineer

Applications for cost-share are separate and distinct from the State Water Commission biennial project information collection effort that is part of the budgeting process and published as the State Water Plan. All local sponsors are encouraged to submit project and study financial needs for the State Water Plan. Projects and studies not submitted as part of the State Water Plan development process may be held until action can be taken on those that were included during budgeting, unless determined to be an emergency that directly impacts human health and safety or that are a direct result of a natural disaster.

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- B. **PRE-APPLICATION.** A pre-application process is allowed for cost-share of assessment projects. This process will require the local sponsor to submit a brief narrative of the project, preliminary designs, and a delineation of costs. The Chief Engineer will then review the material presented, make a determination of project eligibility, and estimate the cost-share funding the project may anticipate receiving. A project eligibility letter will then be sent to the local sponsor noting the percent of cost-share assistance that may be expected on eligible items as well as listing those items that are not considered to be eligible costs. In addition, the project eligibility letter will state that the Chief Engineer will recommend approval when all cost-share requirements are addressed. The local sponsor may use the project eligibility letter

to develop a project budget for use in the assessment voting process. Upon completion of the assessment vote and all other requirements an application for cost-share can be submitted.

- C. **REVIEW.** Upon receiving an application for cost-share, the Chief Engineer will review the application and accompanying information. If the Chief Engineer is satisfied that the proposal meets all requirements, the Chief Engineer will present the application along with a recommendation to the State Water Commission for its action. The Chief Engineer's review of the application will include the following items and any other considerations that the Chief Engineer deems necessary and appropriate.

- 1 Applicable engineering plans;
- 2 Field inspection, if deemed necessary by the Chief Engineer;
- 3 The percent and limit of proposed cost-share determined by category of cost-share activity and eligible expenses;
- 4 Assurance of sustainable operation, maintenance, and replacement of project facilities by the local sponsor;
- 5 Status of permitting and service area agreements;
- 6 Available funding in the State Water Commission budget, if in the State Water Plan, and a priority ranking when appropriate.

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~~For cost-share applications over \$100 million, additional information requested by the State Water Commission will be used to determine cost-share.~~

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The Chief Engineer is authorized to approve cost-share up to \$75,000 in state funds and also approve cost overruns up to \$75,000 in state funds without State Water Commission action.

- D. **NOTICE.** The Chief Engineer will give notice to local sponsors when their application for cost-share is placed on the tentative agenda of the State Water Commission's next meeting.
- E. **AGREEMENT AND DISTRIBUTION OF FUNDS.** No funds will be disbursed until the State Water Commission and local sponsor have entered into an agreement for cost-share participation. No agreement for construction funding will be entered into until all required State Engineer permits have been acquired.

For construction projects, the agreement will address indemnification and vicarious liability language. The local sponsor must require that the local sponsor and the state be made an additional insured on the contractor's commercial general liability policy including any excess policies, to the extent applicable. The levels and types of insurance required in any contract must be reviewed and agreed to by the Chief Engineer. The local sponsor may not agree to any provision that indemnifies or limits the liability of a contractor.

For any property acquisition, the agreement will specify that if the property is later sold, the local sponsor is required to reimburse the Commission the percent of sale price equal to the percent of original cost-share.

The Chief Engineer may make partial payment of cost-sharing funds as deemed appropriate. Upon notice by the local sponsor that all work or construction has been completed, the Chief Engineer may conduct a final field inspection. If the Chief Engineer is satisfied that the work has been completed in accordance with the agreement, the final payment will be disbursed to the local sponsor, less any partial payment previously made.

- F. **LITIGATION.** If a project submitted for cost-share is the subject of litigation, the application may be deferred until the litigation is resolved. If a project approved for cost-share becomes the subject of litigation before all funds have been disbursed, the Chief Engineer may withhold funds until the litigation is resolved. Litigation for this policy is defined as legal action that would materially affect the ability of the local sponsor to construct the project; that would delay construction such that the authorized funds could not be spent; or is between political subdivisions related to the project.

III. COST-SHARE CATEGORIES. The State Water Commission supports the following categories of projects and studies for cost-share. Engineering expenses related to construction are cost-shared at the same percent as the construction costs when approved by the State Water Commission.

Deleted: Generally, engineering expenses are cost-shared as follows: Pre-construction expenses and pre-construction engineering approved by the State Water Commission are cost-shared up to 35 percent.

- A. **PRE-CONSTRUCTION EXPENSES.** The State Water Commission supports local sponsor development of feasibility studies, engineering designs, and mapping as part of pre-construction activities to develop support for projects within this cost-share policy. Pre-construction expenses approved by the State Water Commission are cost-shared up to 35 percent. The following projects and studies are eligible.

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- 1 Feasibility studies to identify water related problems, evaluate options to solve or alleviate the problems based on technical and financial feasibility, and provide recommendation and cost estimate, of the best option to pursue.
- 2 **Engineering design to develop plans and specifications for permitting** and construction of a project, including associated cultural resource and archeological studies.
- 3 Mapping and surveying to gather data for a specific task such as flood insurance studies and flood plain mapping, LiDAR acquisition, and flood imagery attainment, which are valuable to managing water resources.

Copies of the deliverables must be provided to the Chief Engineer upon completion. The Chief Engineer will determine the payment schedule and interim progress report requirements.

B. WATER SUPPLY

- 1 **WATER SUPPLY PROJECT.** The State Water Commission supports water supply efforts and will use a grant and loan program. The local sponsor may apply for water supply funding, and the application will be reviewed to determine project priority. Projects within category (1) may be considered for

Deleted: Projects will be prioritized within categories (1) thru (5) below.

grant funding up to ~~75~~ percent cost-share. Projects in category (2) may be considered for grant funding up to 60 percent of cost-share. Grant funding within category (3) will be on a case-by-case basis. Projects within categories (1) through (4) may be considered for loan funding. After cost-share for grant funding has been determined, the local sponsor may be considered for loan funding in addition to the grant funding. The combination of grant and loan funding will not exceed 80 percent from the State Water Commission.

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(1) Addresses improvements to meet primary drinking water standards or expansion into new rural water service areas. Factors considered for water system expansions are:

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Deleted: If the expansion into a new service area requires at least ten miles of new transmission pipeline, grant funding up to 75 percent may be considered.

(a) Connection of communities to the regional system as part of this expansion as determined by the Chief Engineer.

(b) Willingness of water users at far reaches of the system to pay additional costs for water service as an indicator of greater need for access to water and local commitment in the project as determined by the Chief Engineer.

(c) Affordable and sustainable water rate as determined by the Chief Engineer.

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(2) Supports improvements and connection of new customers within the existing service area of a municipal water system. Population growth and affordability may be used in prioritizing projects in this category.

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(3) Water treatment improvements that address impacts from other State Water Commission projects. Grant funding is based on level of impact as determined by the State Water Commission.

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(4) Addresses extraordinary repairs or replacement needs of a water supply system due to damages from a recent natural disaster.

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Debt per capita, either actual or anticipated, may be used as an additional determinant of financial need.

Water Depots for industrial use receiving water from facilities constructed using State Water Commission funding or loans have the following additional requirements:

Deleted: The State Water Commission will periodically set the interest rate on the loan program, taking into consideration other loan programs. If ability to pay for the local share is a concern, the Chief Engineer may provide a recommendation for public finance options or loan funding.

a) Domestic water supply has priority over industrial water supply in times of shortage. This must be explicit in the water service contracts with industrial users.

b) If water service will be contracted, public notice of availability of water service contracts is required when the depot becomes operational.

c) A portion of the water supply at any depot must be available on a non-contracted basis for public access.

- 2 **MUNICIPAL, RURAL, AND INDUSTRIAL WATER SUPPLY PROGRAM.** The Municipal, Rural, and Industrial Water Supply Program, which uses federal funds, is administered according to North Dakota Administrative Code Article 89-12.
- 3 **DROUGHT DISASTER LIVESTOCK WATER SUPPLY PROJECT ASSISTANCE PROGRAM.** This program is to provide assistance with water supply for livestock impacted during drought declarations and is administered according to North Dakota Administrative Code Article 89-11.

C. **FLOOD CONTROL.** The State Water Commission may provide cost-share for eligible items of flood control projects protecting communities from flooding and may include the repair of dams that provide a flood control benefit.

- 1 **FLOOD RECOVERY PROPERTY ACQUISITION GRANT PROGRAM.** This program is used to assist local sponsors with flood recovery expenses that provide long term flood damage reduction benefits through purchase and removal of structures in areas where flood damage has occurred. All contracted costs directly associated with the acquisition will be considered eligible for cost-share. Contracted costs may include: appraisals, legal fees (title and abstract search or update, etc.), property survey, closing costs, hazardous materials abatement needs (asbestos, lead paint, etc.), and site restoration.

The State Water Commission may provide cost-share of the eligible costs of approved flood recovery expenses that provide long term flood reduction benefits based on the following criteria and priority order:

- a) Local Sponsor has flood damage and property may be needed for construction of temporary or long-term flood control projects, may be cost-shared up to 75 percent.
- b) Local Sponsor has flood damage and property would increase conveyance or provide other flood control benefits, may be cost-shared up to 60 percent.

Prior to applying for assistance, the local sponsor must adopt and provide to the Chief Engineer an acquisition plan (similar to plans required by Hazard Mitigation Grant Program (HMGP)) that includes the description and map of properties to be acquired, the estimated cost of property acquisition including contract costs, removal of structures, the benefit of acquiring the properties, and information regarding the ineligibility for HMGP funding. Property eligible for HMGP funding is not eligible for this program. The acquisition plan must also include a description of how the local sponsor will insure there is not a duplication of benefits.

Over the long-term development of a flood control project following a voluntary acquisition program, the local sponsor's governing body must officially adopt a flood risk reduction plan or proposal including the flow to be mitigated. The flow used to develop the flood risk reduction plan must be included in zoning discussions to limit new development on other flood-prone

property. An excerpt of the meeting minutes documenting the local sponsor's official action must be provided to the Chief Engineer.

Local sponsor must fund the local share for acquisitions; this requirement will not be waived. Federal funds are considered "local" for this program if they are entirely under the authority and control of the local sponsor.

The local sponsor must include a perpetual restrictive covenant similar to the restrictions required by the federal HMGP funding with the additional exceptions being that the property may be utilized for flood control structures and related infrastructure, paved surfaces, and bridges. These covenants must be recorded either in the deed or in a restrictive covenant that would apply to multiple deeds.

The local sponsor must provide justification, acceptable to the Chief Engineer, describing the property's ineligibility to receive federal HMGP funding. This is not meant to require submission and rejection by the federal government, but rather an explanation of why the property would not be eligible for federal funding. Example explanations include: permanent flood control structures may be built on the property; project will not achieve required benefit-cost analysis to support HMGP eligibility; or lack of available HMGP funding. If inability to receive federal funding is not shown to the satisfaction of the Chief Engineer, following consultation with the North Dakota Department of Emergency Services, the cost-share application will be returned to the local sponsor for submittal for federal funding prior to use of these funds.

- 2 **FLOOD PROTECTION PROGRAM.** This program supports local sponsor efforts to prevent future property damage due to flood events. The State Water Commission may provide cost-share grants for up to 60 percent of eligible costs. For projects with federal participation, the cost-share may be up to 50 percent of eligible costs.

The cost-share application must include the return interval or design flow for which the structure will provide protection. Local share must be provided on a timely basis. The State Water Commission may lend a portion of the local share based on demonstrated financial need.

Deleted: Engineering design suitable for permitting by the State Engineer must be completed before construction cost-share is approved.

Property acquisition costs limited to the purchase price of the property that is not eligible for HMGP funding and within the footprint of a project may be eligible under this program. The local sponsor must include a perpetual restrictive covenant on any properties purchased under this program similar to the restrictions required by the federal HMGP funding with the additional exceptions being that the property may be utilized for flood control structures and related infrastructure, paved surfaces, and bridges. These covenants must be recorded either in the deed or in a restrictive covenant that would apply to multiple deeds.

- 3 **FEMA LEVEE SYSTEM ACCREDITATION PROGRAM.** The State Water Commission may provide cost-share up to 60 percent for eligible services for FEMA 44 CFR 65.10 flood control or reduction levee system certification

analysis. The analysis is required for FEMA to accredit the levee system for flood insurance mapping purposes. Typical eligible costs include site visits and field surveys to include travel expenses, hydraulic evaluations, closure evaluations, geotechnical evaluations, embankment protection, soils investigations, interior drainage evaluations, internal drainage hydrology and hydraulic reports, system modifications, break-out flows and all other engineering services required by FEMA. The analysis will result in a comprehensive report to be submitted to FEMA and the Chief Engineer.

Administrative costs to gather existing information or to recreate required documents, maintenance and operations plans and updates, and emergency warning systems implementation are not eligible.

- 4 **DAM SAFETY AND EMERGENCY ACTION PLANS.** The State Water Commission supports dam safety including repairs and removals, as well as emergency action plans. The State Water Commission may provide cost-share for up to 75 percent of the eligible items for dam safety repair projects and dam breach or removal projects. Dam safety repair projects that are funded with federal or other agency funds may be cost-shared up to 75 percent of the eligible non-matched costs. The intent of these projects is to return the dam to a state of being safe from the condition of failure, damage, error, accidents, harm or other events that are considered non-desirable. The State Water Commission may lend a portion of the local share based on demonstrated financial need.

The State Water Commission may provide cost-share up to 80 percent, for emergency action plans (EAPs) of each dam classified as high or medium significant hazard. The cost of a dam break model is only eligible for reimbursement for dams classified as a high hazard.

- 5 **WATER RETENTION PROJECTS.** The goal of water retention projects is to reduce flood damages by storing floodwater upstream of areas prone to flood damage. The State Water Commission may provide cost-share up to 60 percent of eligible costs for flood retention projects including purchase price of the property. For projects with federal participation, the cost-share may be up to 50 percent. Water retention structures constructed with State Water Commission cost-share must meet state dam safety requirements, including the potential of cascade failure. A hydrologic analysis including the operation plan, quantifying the flood reduction benefits for 25, 50, and 100-year events must be submitted with the cost-share application.
- 6 **SNAGGING AND CLEARING PROJECTS.** Snagging and clearing projects consist of the removal and disposal of fallen trees and associated debris encountered within or along the channel. Snagging and clearing projects are intended to prevent damage to structures such as bridges, and maintain the hydraulic capacity of the channel during flood flows. The State Water Commission may provide cost-share for up to 50 percent of the eligible items for snagging and clearing as well as any sediment that has accumulated in the immediate vicinity of snags and any trees in imminent danger of falling in the channel on watercourses as defined in N.D.C.C. § 61-01-06. Items that are not eligible include snagging and clearing of man-made channels; the dredging of watercourses for sediment

removal; the clearing and grubbing of cattails and other plant vegetation; or the removal of any other unwanted materials.

D. RURAL FLOOD CONTROL. The primary purpose of rural flood control projects is to manage runoff or drainage from agricultural sources or to provide flood control in a rural setting. Typically, rural flood control projects consist of drains, channels, diversion ditches, or ring dikes. Items that are not eligible include projects that are managing runoff or drainage from residential or urban sources.

1 DRAINS, CHANNELS, OR DIVERSION PROJECTS. These projects are intended to improve the drainage and management of runoff from agricultural sources. The State Water Commission may provide cost-share up to 45 percent of the eligible items for the construction of drains, channels, or diversion ditches. Expansions and improvements may be cost-shared on the basis of increased drainage capacity achieved or increased area served. Construction costs for public road crossings that are integral to the project are eligible for cost-share as defined in N.D.C.C. § 61-21-31 and 61-21-32. If an assessment-based rural flood control project involves multiple districts, each district involved must join in the cost-share application.

Cost-share applications for rural assessment drains will only be processed after the assessment vote has passed, the final design is complete, and a drain permit has been obtained. If the local sponsor wishes to submit a cost-share application prior to completion of the aforementioned steps, a pre-application process will be followed.

2 RING DIKE PROGRAM. This program is intended to protect individual rural homes and farmsteads through ring dike programs established by water resource districts. All ring dikes within the program are subject to the Commission's Individual Rural and Farmstead Ring Dike Criteria provided in Attachment A. Cost-share is limited to \$40,000 per ring dike. Protection of a city, community or development area does not fall under this program, but may be eligible for the flood control program. The State Water Commission may provide up to 60 percent cost-share of eligible items for ring dikes.

Landowners enrolled in the Natural Resource Conservation Service's (NRCS) Environmental Quality Incentive Program (EQIP) who intend to construct rural or farmstead ring dikes that meet the State Water Commission's elevation design criteria are eligible for a cost-share reimbursement of 20 percent of the NRCS construction payment, limited to a combined NRCS and State Water Commission contribution of 80 percent of project costs.

Deleted: eligible

E. RECREATION. The State Water Commission may provide cost-share up to 40 percent for projects intended to provide water-based recreation. Typical projects provide or complement water-based recreation associated with dams.

F. IRRIGATION. The State Water Commission may provide cost-share for up to 50 percent of the eligible items for irrigation projects. The items eligible for cost-share are those associated with new central supply works, including water storage facilities,

intake structures, wells, pumps, power units, primary water conveyance facilities, and electrical transmission and control facilities.

- G. **BANK STABILIZATION.** The State Water Commission may provide cost-share up to 50 percent of eligible items for bank stabilization projects on public lands or those lands under easement by federal, state, or political subdivisions. Bank stabilization projects are intended to stabilize the banks of lakes or watercourses, as defined in N.D.C.C § 61-01-06, with the purpose of protecting public facilities. Drop structures and outlets are not considered for funding as bank stabilization projects, but may be eligible under other cost-share program categories. Bank stabilization projects typically consist of a rock or vegetative design and are intended to prevent damage to public facilities including utilities, roads, or buildings adjacent to a lake or watercourse.

(4) Assists with improvements in service areas where the anticipated cost per user each year (based on 5,000 gallons per month) divided by the average annual median income per user is in the top quartile or other ranking as determined by the Commission of its peer group (large city, small city, and regional) water systems that submitted planning information forms for the biennium. The Chief Engineer will rank the projects.