

Appendix D

2008 State Water Plan

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Overview

The 1972 State Legislature established the State Water Plan to ensure the optimum overall benefits of the state's water resources for the general health, welfare, safety, and economic well-being of the people of South Dakota through the conservation, development, management, and use of those resources. The Legislature placed the responsibility for this plan with the Board of Water and Natural Resources.

The State Water Plan, as established in SDCL 46A-1-2, consists of two components – the State Water Facilities Plan and the State Water Resources Management System. To be considered for the State Water Facilities Plan, projects must meet criteria established by the board. These eligibility criteria are used as guidelines for the board, the department, and the water development districts when considering a project for inclusion on the State Water Facilities Plan. Addition to or deletion from the State Water Resources Management System can only be accomplished by the State Legislature.

State Water Facilities Plan

The State Water Facilities Plan (Facilities Plan) is a list of potential water projects. The Facilities Plan includes projects such as rural, municipal, and industrial water supply, wastewater collection and treatment facilities, storm sewers, groundwater protection, and watershed restoration. The board is responsible for approving the placement of projects on the Facilities Plan. Projects on the Facilities Plan are eligible to seek state and federal financial assistance. The board can provide direct assistance to projects on the plan and placement on the plan may influence federal and other state agency funding decisions.

In November 2007, the board received 43 applications requesting placement on the State Water Plan. The board placed all 43 of the projects on the Facilities Plan, bringing the total number of projects on the 2008 State Water Facilities Plan to 110 (Table 10). The 43 projects placed on the plan in November will remain on the Facilities Plan through 2009. Projects placed on the plan in November 2006, or that were amended onto the plan during calendar year 2007 will remain on the Facilities Plan through 2008. The bolded projects in Table 10 reflect projects that have received either partial or full funding. The bolded amounts on these projects reflect the amount that has been awarded to date. The projects remain on the Facilities Plan and remain eligible to request additional funding.

Additional projects may be placed on the Facilities Plan during the year. Projects placed on the Facilities Plan through the amendment process remain on the plan for the balance of the calendar year and the following year. Once a project is removed from the Facilities Plan, the project sponsor must submit a new state water plan application to be eligible to seek assistance.

Table 10

2008 STATE WATER FACILITIES PLAN

<u>Sponsor</u>	<u>Project Description</u>	<u>On Plan Through</u>	<u>Proposed Funding Source*</u>			<u>Total Project</u>
			<u>CWFCP</u>	<u>CWSRF</u>	<u>DWSRF</u>	
Aberdeen	Brown County Water Quality Improvements	2008	\$ 18,000	\$ 1,156,259		\$ 1,274,259
Aberdeen	Wastewater Treatment	2008		19,218,859		19,218,859
Armour	Water System Improvements	2008	200,000		\$ 320,000	1,370,000
Aurora	Wastewater Treatment	2008	300,000	600,000		1,200,000
Aurora-Brule RWS	Water Intake Improvements	2009	250,000			4,249,794
BDM Rural Water	Hecla Area/Internal Expansion	2008	325,000			7,490,000
Beresford	East Street Watermain Improvement	2009	125,000			209,000
Big Sioux Comm. Water	Water Supply and Treatment	2009	300,000			2,969,280
Black Hawk WUD	Water Storage and Distribution	2009			1,140,052	1,478,052
Bon Homme-Yankton Water	Douglas Co. Expansion	2009	300,000			557,478
Box Elder	Wastewater Treatment	2008	400,000			3,130,200
Box Elder	Water Supply and Storage Improvements	2009	553,000			7,132,000
Brandt Lake San. District	Wastewater Collection and Treatment	2008	500,000			4,004,000
Britton	Residential Development	2008	200,000			715,000
Canton	Water/Wastewater Improvements	2008		432,770		860,000
Cavour	Waterline Replacement and Meters	2008	80,000		53,011	133,011
Chamberlain	Dredging in American Creek	2008	50,000			400,000
Chamberlain	Water Treatment Improvements	2009	350,000		403,000	953,000
Clark RWS	Water Treatment Plant	2009	666,000		999,000	6,660,000
Copper Oaks I Water Assoc.	Well Facility Improvements	2009	96,550		96,550	193,900
Corsica	Water and Wastewater Improvements	2008	300,000			2,684,625
Crooks	Wastewater Treatment	2008	300,000	255,000		615,000
Dakota Central RC&D	Upper Snake Creek Watershed	2008	75,000			1,473,200
Dell Rapids	Wastewater Lift Station	2008	400,000	716,000		1,216,000
Dell Rapids	Storm Drainage Improvements	2008	300,000	1,062,000		1,551,000
DeSmet	Third Street Water Main Replacement	2008	100,000		100,000	513,000
Edgemont	Water System Improvements	2009	500,000			2,561,000
Elk Point	Washington Street Water/Wastewater	2008	225,000			447,000
Elk Point	Clay Street Water/Wastewater	2009	250,000	128,300	289,700	873,000
Elk Point	Main Street Water/Wastewater	2009	600,000	145,223	625,000	1,471,000
Emery	Wastewater Treatment	2009	50,000			849,626
Faith	Additional Water Supply	2008	225,000			597,000
Fall River WUD	Internal Water System Expansion	2008	300,000		400,000	1,692,830
Fall River WUD	Supplemental Water Supply	2008	200,000			1,716,889
Frankfort	Wastewater Collection Improvements	2009	61,050			183,150
Freeman	Storm Water Improvements	2008		576,000		1,261,000
Ft. Pierre	Storm Water Drainage	2008		374,620		1,124,620
Garretson	Split Rock Creek Lift Station	2008		568,000		568,000
Gary	Wastewater Treatment Improvements	2008	200,000	225,000		425,000
Geddes	Wastewater Improvements	2008	100,000			950,900
Green Valley San. Dist.	Water System Construction	2009	765,300			4,216,002
Green Valley San. Dist.	Wastewater Collection System Construction	2009	900,000	2,092,000		6,009,582
Gregory	Wastewater Improvements	2008	100,000	257,000		557,000
Groton	Wastewater Improvements	2008	50,000			326,776
Hanson Rural Water	Water Supply	2008	300,000			3,435,800
Harrold	Storm Drainage	2008	238,212			388,212
Hartford	Sanitary/Storm Sewer Improvements	2008		583,000		583,000
Hartford	Water and Wastewater Improvements	2008	350,000			1,092,319
Hermosa	Wastewater Collection and Treatment	2009	338,645			2,032,095
Highmore	Wastewater and Storm Water	2009	500,000			2,035,000
Humboldt	Wastewater Treatment and Collection	2008		127,000		127,000
Hurley	Water System Improvements	2009	100,000		71,064	171,064
Irene	Valley Acres Addition	2008	50,000			236,110
Kingbrook RWS	2008 System Improvements	2009	500,000		4,200,000	6,850,000
Kingbrook RWS	Winfred Water System	2009	50,000		70,000	120,000
Kingsbury Cons. District	Kingsbury County Lakes	2008	20,000			51,000
Lead	Julius Street Sanitary/Storm Sewer	2008	200,000	240,000		2,308,900
Lennox	Wastewater System Improvements	2009	600,000	956,400		1,610,400
Lesterville	Water Tower Repair	2008	20,000			37,682
Longview San. Dist.	Water Rights Acquisition	2008	15,000			20,000
Longview San. Dist.	Water Distribution Construction	2008	500,000		640,000	3,695,000
Madison	Wastewater Treatment	2008	500,000	5,343,256		6,559,256
Martin	North Stabilization Pond Improvements	2008		100,000		285,000

<u>Sponsor</u>	<u>Project Description</u>	<u>On Plan Through</u>	<u>Proposed Funding Source*</u>			<u>Total Project</u>
			<u>CWFCP</u>	<u>CWSRF</u>	<u>DWSRF</u>	
Mellette	Water and Wastewater Improvements	2009	75,000		149,020	224,020
Menno	Highway 18 Water/Wastewater	2008	15,000	70,000		135,000
Miller	Water Distribution System	2008	400,000			1,776,990
Mission Hill	Water System Improvements	2009	100,000		332,300	682,300
Mitchell	Lift Station Replacement	2009	500,000	1,000,000		1,650,000
Mobridge	Water Main Improvements	2008			303,500	303,500
Mobridge	Storm Sewer Improvements	2009	454,343	302,896		757,239
Morristown	Water System Rehabilitation	2009				419,880
New Effington	Wastewater Treatment and Collection	2008	250,000			917,000
Owanka RWS	Construct a New Rural Water System	2008	270,000			1,090,575
Parkston	Wastewater Improvements	2008	200,000	650,000		1,174,752
Pine Cliff Park	Water Distribution	2008	148,200			418,000
Presho	Wastewater Improvements	2008	100,000	309,440		331,780
Provo Township	Water System Rehabilitation	2008	200,000			331,780
Pukwana	Water Improvements	2008				771,800
Randall Comm. Water District	Water System Improvements	2009	1,000,000			29,930,000
Randall RC&D	Lewis & Clark Watershed	2008	168,750			1,347,320
Redfield	Southwest Sanitary Sewer	2008		342,755		392,755
Redfield	Water and Wastewater Improvements	2008	50,000		342,755	1,214,590
Scotland	Highway 25 Water/Wastewater	2008	50,000	62,771		332,421
Sioux Falls	Regional Landfill Closure	2008		500,000		2,800,000
Sioux Falls	Wastewater Improvements	2009		5,657,000		5,657,000
Sioux Falls	Eastside Sanitary Sewer	2009		12,100,000		12,100,000
Sioux Falls	Storm Sewer Detention System	2009		2,621,000		2,621,000
Sioux Falls	Water Treatment Improvements	2009			17,848,000	17,848,000
Sioux Falls	Water Supply Improvements	2009			2,200,000	2,200,000
Sioux Falls	Water Distribution Improvements	2009			2,705,600	2,705,600
Spearfish	Wastewater Treatment	2008	100,000	5,163,000		6,669,000
Spearfish Meadows	Water Distribution System	2009	80,000		170,000	250,000
Summerset	Wastewater Treatment Plant Purchase	2009	500,000	2,623,100		3,123,100
Tripp	Storm Sewer	2009	100,000			803,260
Tripp Co. WUD	Water System Expansion	2009	350,000			4,601,000
Tyndall	Wastewater Collection	2008	1,000,000			8,144,829
Tyndall	Storm Sewer Replacement	2008	50,000	500,000		818,800
Vermillion	Wastewater Treatment Phase II	2009	250,000	3,948,000		4,698,000
Viborg	Water System Improvements	2009			249,775	415,500
Viewfield Water Assoc.	Rural Water System Construction	2008	350,000			1,800,300
Wagner	Water and Wastewater Improvements	2008		150,000	175,000	594,750
Wall Lake San. District	Wastewater Facilities Improvements	2009	220,000			396,600
Watertown	Water System Improvements	2009			23,760,000	23,760,000
Weston Heights	Wastewater Treatment	2008		638,300		938,300
Whitewood	Water Supply, Storage, and Treatment	2008				1,941,000
Wolsey	Water Distribution	2008	125,000		251,600	685,600
Woonsocket	Water System Improvements	2008	100,000		390,000	497,343
Woonsocket	Wastewater Treatment Improvements	2009	80,000			1,086,530
Worthing	Water and Wastewater Improvements	2008	450,000	580,000		1,328,274
Yankton	Water System Improvements	2008			1,100,000	1,469,000
TOTALS			\$22,733,050	\$72,374,949	\$59,384,927	\$283,873,359

* CWFCP - Consolidated Water Facilities Construction Program
CWSRF - Clean Water State Revolving Fund Loan Program
DWSRF - Drinking Water State Revolving Fund Loan Program

State Water Resources Management System

The State Water Resources Management System (SWRMS) identifies large, costly water projects that require specific state or federal authorization and financing. These projects are placed on the list when recommended by the board and approved by the Governor and the Legislature. The SWRMS list (Table 11) serves as the preferred priority list to optimize water resources management in the state. Once a project is placed on the SWRMS list, it remains on until removed by legislative action.

At its November 2007 meeting, the board recommended that the James River Improvement Program be deleted from the SWRMS list and that all other projects currently on the SWRMS list be retained. The current SWRMS list is shown below:

Table 11

STATE WATER RESOURCES MANAGEMENT SYSTEM PROJECTS

<u>Project</u>	<u>Description</u>
Big Sioux Flood Control Study	Watertown Flood Control
Black Hills Hydrology & Water Management Study	Black Hills Water Resources
CENDAK Irrigation Project	Irrigation Project - Central SD
Gregory County Pumped Storage Site	Multi-Purpose Water Utilization
James River Improvement Program	Watershed Improvements
Lake Andes-Wagner/Marty II Irrigation Unit	Irrigation - Charles Mix County
Lewis & Clark Rural Water System	Bulk Water System - Southeastern SD
Mni Wiconi Rural Water System	Rural Water System - Western SD
Perkins County Rural Water System	Rural Water System - Northwest SD
Sioux Falls Flood Control Project	Increased Flood Protection
Slip-Up Creek	Proposed Reservoir near Sioux Falls
Southern Black Hills Water System	Rural Water System - Southern Hills
Vermillion Basin Flood Control Project	Flood Control on Vermillion River

SWRMS Project Status

A brief summary of each project and its status is presented on the following pages. The year in the title indicates when the project was placed on the State Water Resources Management System.