

Southwest Water Authority

ANNUAL OPERATING REPORT









ISION People and business succeeding with quality water



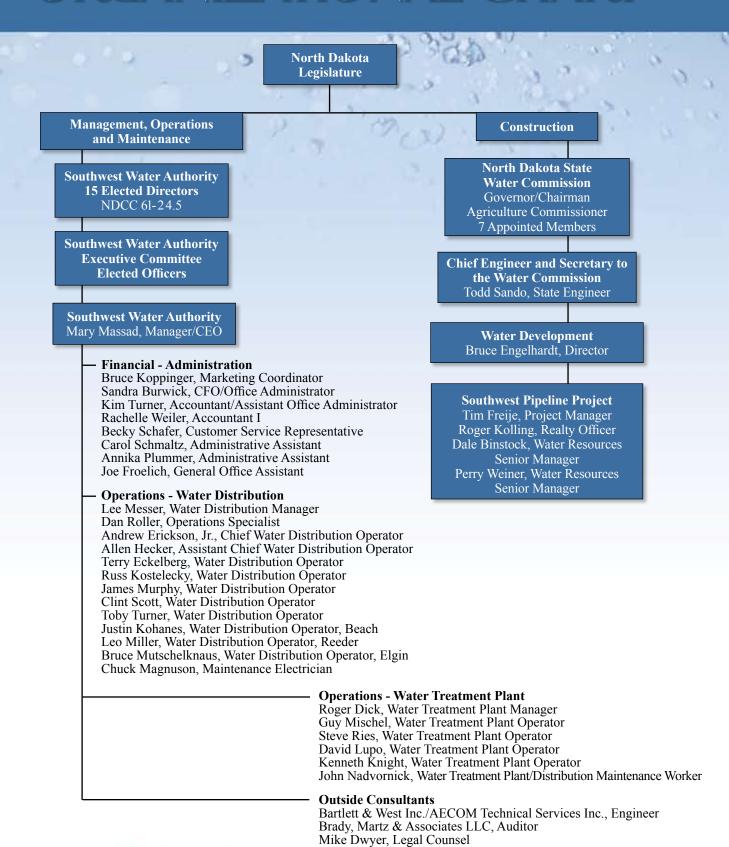
Southwest Water Authority does not discriminate on the basis of race, color, national origin, sex, religion, age, marital status or disability in employment or the provision of services.



TABLE OF CONTENTS

Organizational Chart		4
Board of Directors.		5
North Dakota State Water Commission		
Our Valued Staff		
A Successful Project		7
Service Area 12 Counties		7
Chairperson's Annual Address		8
Construction Summary	•••••	9
Manager's Message	•••••	10
Background		11
Mill Levy Report	•••••	12
Operations and Maintenance Report	•••••	13
Water Treatment Report		14
Service 2010		15
Independent Auditor's Report		16
Potable Water Usage		23
Rural Water Usage History	••••	25
Water Service Contracts.	••••	26
Annual Capital Repayment	•••••	28
Replacement and Extraordinary Maintenance Fund		29
Electric Power Usage	•••••	30
Rate History		31
Rates 2010		32
Rates 2011	•••••	33
Construction Map		33
Funding Sources.		34
SWPP Phased Development Plan		34
SWPP Timeline		35

ORGANIZATIONAL CHART



LoAnn's Marketing Inc., Public Information and Education Professional Computer Services LLP, Information Technology

SOUTHWEST WATER AUTHORITY BOARD OF DIRECTORS



Row One: Chairperson Larry Bares - City of Dickinson; Vice Chairperson James Odermann - Billings County; Secretary Steve Schneider - Stark County; Ray Bieber - Hettinger County; Duane Bueligen - Oliver County

Row Two: Jonathon Eaton - Adams County; Marie Johnson - Mercer County; David Juntunen - Slope County; Robert Leingang - City of Mandan; Darrel Oech - Golden Valley County

Row Three: Brian Roth - Grant County; George Saxowsky - Morton County; Rick Seifert - Bowman County; Larry Stang - City of Dickinson; Emanuel Stroh - Dunn County

NORTH DAKOTA STATE WATER COMMISSION

Governor Jack Dalrymple, Chairman, Bismarck, ND Doug Goehring, Ag Commissioner, Bismarck, ND Arne Berg, Devils Lake, ND Maurice V. Foley, Minot, ND Larry L. Hanson, Williston, ND

Jack Olin, Dickinson, ND Harley Swenson, Bismarck, ND Robert G. Thompson, Page, ND Douglas Vosper, Neche, ND

OUR VALUED STAFF



Row One: Mary Massad, Manager/CEO; Bruce Koppinger, Marketing Coordinator;

Sandra Burwick, CFO/Office Administrator; Lee Messer, Water Distribution Manager;

Andrew Erickson, Jr., Chief WDO; Roger Dick, WTP Manager

Row Two: Rachelle Weiler, Accountant; Becky Schafer, Customer Service Representative;

Carol Schmaltz, Administrative Assistant; Kim Turner, Accountant/Assistant Office Administrator;

Annika Plummer, Administrative Assistant; Joe Froelich, General Office Assistant

Row Three: Dan Roller, Operations Specialist; Allen Hecker, Assistant Chief WDO; Terry Eckelberg, WDO;

Russ Kostelecky, WDO; James Murphy, WDO

Row Four: Clint Scott, WDO; Toby Turner, WDO; Justin Kohanes, WDO, Beach; Leo Miller, WDMW, Reeder;

Bruce Mutschelknaus, WDO, Elgin

Row Five: Chuck Magnuson, Maintenance Electrician; Kenneth Knight, WTP Operator; David Lupo, WTP Operator;

Guy Mischel, WTP Operator; Steve Ries, WTP Operator; John Nadvornick, WTP/WDMW

Definitions: Chief Executive Officer (CEO); Chief Financial Officer (CFO); Water Distribution Operator (WDO);

Water Treatment Plant (WTP); Water Distribution Maintenance Worker (WDMW)

A SUCCESSFUL PROJECT

By Todd Sando, ND State Engineer

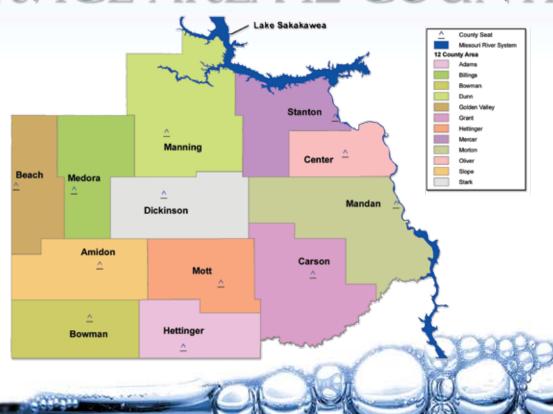
The Southwest Pipeline Project (SWPP) continues to make major strides towards completion. Construction is well under way for the Oliver, Mercer, North Dunn (OMND) Regional Service Area, which will add more than a thousand rural users, three cities, and a dozen or more bulk water users, including cabin developments, the energy industry, and rural water systems. The cornerstone of OMND is the new water treatment plant, which is now under construction and scheduled for completion in early 2012. Half of the transmission facilities are either under contract or complete, with the remainder to be bid in early 2011 and 2012. With the treatment and transmission facilities in place, all that remains of OMND is to build rural distribution facilities as time and funding allow. The first two rural distribution contracts will be bid in early and late 2011 with completion in 2012 and 2013. The remaining rural distribution lines, as well as deferred construction items on the rest of the system, could conceivably be funded in the next three biennia. After two and a half decades of construction, the end is nearly in sight.



The SWPP has been a tremendously successful project, and it has evolved and grown a great deal since its inception. That success has not come easy and is a testament of the teamwork, dedication, and devotion of the State Water Commission, the Southwest Water Authority, and the people of southwest North Dakota. Many deserve credit, however, as we were not alone in advancing this project. The United States Department of Agriculture Rural Utility Service, Natural Resources Conservation Service, Bureau of Reclamation, Garrison Diversion Conservancy District, and North Dakota Department of Health through the State Revolving Loan Fund have all contributed significant funding. The SWPP is a clear example of what is possible when a large group of individuals and entities work and strive towards a single comprehensive goal.

Told Sand

SERVICE AREA 12 COUNTIES



CHAIRPERSON'S ANNUAL ADDRESS

By Larry Bares, Chairperson



The Southwest Water Authority (SWA) Board of Directors welcomed new members Marie Johnson, Steve Schneider, Rick Seifert and Bob Leingang in 2010. Bob represents the city of Mandan, a newly elected position, giving us a 15-member board. Our board has representation in each of the 12 counties where the Southwest Pipeline Project (SWPP) will be built: Adams, Billings, Bowman, Dunn, Golden Valley, Grant, Hettinger, Mercer, Morton, Oliver, Slope and Stark, as well as the cities of Dickinson and Mandan.

We want to thank Loren Myran and Don Flynn for their many years of dedicated service to the SWA Board of Directors. Their leadership on the board was much appreciated. We also mourn the loss of John Klein, Sr., who represented Mercer County. He will be greatly missed.

The board's chief function is to oversee the management, operation and maintenance of the SWPP, a state-owned pipeline built by the North Dakota State Water Commission (NDSWC). We are very fortunate to have Mary Massad, Manager/CEO, and the SWA Staff to carryout the decisions of the board. They are a very hardworking, dedicated group and keep busy year-round with the day-to-day operations of the SWPP.

We are also very fortunate to have had Dale Frink as the State Engineer for the last ten years. Thank you, Dale, for all you have done for us and this project. Dale has worked for the NDSWC for 39 years. Throughout his career he worked diligently to ensure the completion of the SWPP, as well as to meet the water needs throughout the entire state.

As we move forward, along with the NDSWC, we welcome the new State Engineer Todd Sando. The board, management and staff at SWA look forward to working with Todd. Todd has proven himself to be a champion of water for this state and we are confident that he will continue to do so. Welcome Todd!

As we complete the Oliver, Mercer, North Dunn Regional Service Area, the oil industry is in need of large amounts of water. We are working to provide quality water by establishing depots to meet this need. In the planning process, we take into consideration traffic flow, impact on roads, oil activity centers and adequate water supply. Most importantly, we are ever mindful not to affect the flow of water to our communities and rural customers; that is our top priority.

Best wishes to everyone for a great year.



CONSTRUCTION SUMMARY

By Tim Freije, Project Manager

The 2010 construction season was unique in that it was very busy and productive, but didn't add any new customers to the system. The biggest item was the new Oliver, Mercer, North Dunn (OMND) Water Treatment Plant. This treatment plant will feature membrane filtration and softening and will serve the entire OMND Regional Service Area. It will also tie back into the existing system and feed roughly 400 users in the Medora, Beach Regional Service Area, and the cities of Dodge, Golden Valley, Halliday, and Dunn Center. The membrane system procurement contract, bid and awarded in 2009, was a prerequisite to final design on the building and equipment installation contract. This contract was bid in August, awarded in September, and executed in October. Construction commenced in November and is scheduled to be substantially complete in early 2012.



In addition to the new treatment plant, construction of the infrastructure to be served by it is also well underway. A 1.4 million gallon welded steel reservoir, which will also serve as the clearwell for the new treatment plant, was bid and is under construction. The first segment of main transmission line from the water treatment plant to the city of Hazen was started in 2009 and completed in 2010. The second segment of main transmission line was designed and bid in 2010, with completion in 2011. The majority of the design work was also performed in 2010 for: the third segment of main transmission line and elevated reservoir serving Oliver County; the first rural distribution pipeline contract serving half of Mercer County; and the final main transmission pipeline serving Dunn County.

It has indeed been a busy year, with some exciting new advancements yet to come in the upcoming years with the remainder of the project groundwork laid. While we will still undoubtedly face new challenges and opportunities, we look forward to working through these with the Southwest Water Authority to continue on with the project's track record of success.





Oliver, Mercer, North Dunn Water Treatment Plant Groundbreaking Ceremony November 23, 2010



MANAGER'S MESSAGE

By Mary Massad, Manager/CEO



It is with great pleasure I present to you the 2010 Annual Operating Report for the Southwest Water Authority (SWA). The Southwest Pipeline Project (SWPP) had an unprecedented year for funding and construction in 2010. With several contracts under construction and more contracts in the design phase, we certainly have been busy. Our focus is completing the Oliver, Mercer, North Dunn (OMND) Regional Service Area. An exciting event for the OMND Service Area occurred on November 23, 2010, when SWA held the official groundbreaking for the Water Treatment Plant seven miles north of Zap. Nearly 40 people were in attendance including representatives from the North Dakota State Water Commission (NDSWC), our congressional delegation, the communities and counties in OMND, USDA-Rural Development, Garrison Diversion Conservancy District and more. In addition, to meet the energy industry needs in our region, the Dodge Water Depot was constructed and began operation in August 2010.

As we continue to work toward bringing quality water to the residents of southwest North Dakota, we welcome new faces to our board of directors. Our board grew to 15 members in 2010 with the election of Bob Leingang, who represents the city of Mandan. John Klein, Sr., Mercer County representative, passed away in 2010. SWA appreciates his years of service to the SWPP and SWA, and our condolences go out to his family. Marie Johnson of Beulah was elected as the new director for Mercer County. Also, new to the board are Steve Schneider, representing Stark County, and Rick Seifert, representing Bowman County. SWA welcomes these board members and looks forward to working with them throughout the coming years. We would also like to take this opportunity to thank Loren Myran, Stark County, and Don Flynn, Bowman County, for their many years of service to the SWA and the SWPP.

In 2010, the retirement of our State Engineer Dale Frink, marked a historical change for the SWPP. Thank you, Dale, for your many years of service and sincere commitment to water development statewide.

This gives me the opportunity to welcome our new State Engineer Todd Sando. Todd has been with the NDSWC for 25 years and his dedication to the water industry is admirable. We are truly pleased to have Todd as the State Engineer and look forward to working with him for many years to come.

In order to accomplish our mission of providing quality water for southwest North Dakota, it is essential to have a strong team of employees to carry out the work of SWA. I would like to thank my employees for another successful year. I am able to do my job because of their dedication and hard work each and every day.

SWA would also like to express deep gratitude to U.S. Senator Dorgan and U.S. Congressman Pomeroy for their service to our state. Although U.S. Senator Dorgan's and U.S. Congressman Pomeroy's terms are now complete in Washington, D.C., they were champions for water and have left a legacy for our industry in the state. U.S. Senator Conrad recently announced his intentions to retire in 2012. SWA cannot express adequately our appreciation for their service to our state. In addition, our well wishes and thanks go out to former Governor, now U.S. Senator Hoeven, and U.S. Congressman Berg as they continue their support for North Dakota on the federal level.

SWA appreciates and thanks Governor Dalrymple and his staff, the North Dakota State Legislature, the NDSWC and State Engineer, the Congressional delegation and their staff, USDA and USDA-Rural Development, the Bureau of Reclamation, Garrison Diversion Conservancy District, North Dakota Water Coalition, North Dakota Rural Water Systems Association, the board of directors, staff, and consultants for SWA, and the people of this great state for their unwavering commitment to water.

Water may be technically made up of hydrogen and oxygen, but to the people and businesses of southwest North Dakota, it means much more. SWPP water is a precious resource, one that many wait years to receive. We are privileged to provide this valuable resource to the area.



BACKGROUND

The Southwest Water Authority (SWA), a political subdivision, was established by the North Dakota State Legislature in 1991 to manage, operate and maintain the Southwest Pipeline Project (SWPP). SWA is governed by a 15-member board of directors representing the following counties: Adams, Billings, Bowman, Dunn, Golden Valley, Grant, Hettinger, Mercer, Morton, Oliver, Slope, and Stark, as well as the cities of Dickinson and Mandan.

The SWPP is state owned and administered by the North Dakota State Water Commission (NDSWC). SWPP transports raw water from Lake Sakakawea to Dickinson where it is treated and delivered to the project's customers in southwest North Dakota and Perkins County, South Dakota. SWA is responsible for the operations and maintenance of the project.

For 25 years, the SWPP has been constructing an efficient network of pipelines, pump stations, reservoirs and treatment facilities to bring southwest North Dakota an adequate quantity of quality water. To date, 28 communities, approximately 4,000 rural service locations, 15 small businesses, and 18 raw water customers, including Dodge Water Depot and Perkins County Rural Water System in South Dakota, are served by the pipeline.

In 2010, SWA began construction of the Oliver, Mercer, North Dunn Regional Service Area (OMND). Construction of the main transmission line from the OMND Water Treatment Plant to the cities of Hazen was completed. The second segment of main transmission line from Hazen to Stanton was awarded and design on the Center Tank and the third segment of main transmission line was completed. A groundbreaking ceremony for the new OMND Water Treatment Plant took place on November 23, 2010, with nearly 40 people in attendance.

The project pumped a total of 1,624,749,000 gallons of water from Lake Sakakawea in 2010. This is an increase of 109,486,600 gallons from 2009. Potable water delivered in 2010 to contract customers was 1,182,114,680 gallons, rural customers used 220,995,700 gallons, construction used 1,620,400 gallons and other customers used 18,607,500 gallons for a total of 1,423,338,280 gallons. Total raw water delivered in 2010 was 158,590,800 gallons. The water delivered to the end user was 97.36% of the total water pumped from Lake Sakakawea by the SWPP.

SWA purchases water from Missouri West Water System for delivery to customers in the Tower Hill, Junction Inn and Crown Butte Pockets of Morton County. Total potable water delivered to these customers in 2010 was 8,996,100 gallons.

SWA also purchases water from the city of Beulah to deliver to the city of Zap and to the rural customers in the Beulah Interim Service Area. Total potable water delivered to these customers in 2010 was 9,717,000 gallons, which includes 6,456,000 gallons to the city of Zap and 3,261,000 gallons to the rural customers.

Total water delivered by SWA was 1,600,642,180 gallons.



MILL LEVY REPORT

2010 Mill Levy Income					\$276,624.88
	Board of Directors	Administration	Easement	Sign-Up	Total
Per Diem/Salaries	\$52,168.00	\$56,043.25	\$33,520.04	\$33,519.97	\$175,251.26
Benefits/Payroll Taxes	4,933.26	20,183.33	17,092.42	17,091.78	59,300.79
Professional Fees	38,187.89	24,363.99	0.00	11,115.00	73,666.88
Supplies	4,524.24	2,963.54	986.82	1,278.18	9,752.78
Repairs	0.00	1,871.78	918.75	902.24	3,692.77
Travel	31,700.20	1,670.20	2,610.88	1,716.80	37,698.08
Telephone/Internet	3,860.03	2,982.65	3,047.52	3,328.13	13,218.33
Insurance	7,027.56	1,716.60	0.00	0.00	8,744.16
Printing/Promotion	21,313.45	67,677.87	565.08	10,010.47	99,566.87
Postage	1,593.59	1,707.31	296.69	2,351.12	5,948.71
Dues and Subscriptions	12,886.00	8,116.75	469.00	0.00	21,498.75
Development/Education	2,755.00	855.72	994.50	604.50	5,209.72
Depreciation	0.00	1,637.20	3,998.79	3,998.54	9,634.53
Miscellaneous	19,500.00	330.90	0.00	0.00	19,830.90
Total	\$200,449.22	\$192,121.09	\$64,527.49	\$85,916.73	\$543,014.53
Revenue Necessary from	Other Sources				\$266,389.65

DISTRIBUTION OPERATIONS AND MAINTENANCE REPORT

By Lee Messer, Water Distribution Manager

The powers of nature were evident once again in 2010 within Southwest Water Authority's Service Area. Ice in January and heavy snow in April caused thousands of power poles and corresponding miles of power lines to break, leaving vast areas without electricity. Many of our pumping stations and reservoir control vaults were included. Fortunately, most of these facilities are located below ground and heat was not a major issue. However, electricity is essential to move water through the pumping stations to the reservoirs for delivery to our customers. A recently purchased generator and several rental units were utilized to maintain service to as many customers as possible. Our staff worked long hours in inclement weather, moving the generators sometimes on treacherous roads, to maintain reservoir levels.



Essential to pump station operation is telemetry communication with upstream and downstream reservoirs to indicate their water level. This communication is maintained through backup

batteries in the reservoir control vaults during typical power outages. Telemetry communications during extended outages will, however, drain the batteries in one to two days, and they must be replaced with freshly charged batteries. Two of our affected reservoirs were only accessible by snowmobile and required several trips to install fresh batteries before power was restored.

Natural disasters such as these, while never pleasant, serve to illustrate where we are most vulnerable, and the steps that must be taken to meet the next disaster with minimal negative effects. We also find a deeper appreciation for the efforts of those dedicated professionals who work long hours under trying conditions to restore or maintain essential services. Hats off to all the rural electric linemen, our own distribution operators, and all the support personnel behind the scenes.

System improvements in 2010 included telemetry programming changes to the Golva, Rhame and Coffin Buttes pumping stations. Variable Frequency Drives at these locations monitor pressure and flow rate to vary pump speed and maintain downstream pressure rather than filling reservoirs. Previously, all controls were local, and telemetry simply monitored and provided status reports. During power outages, downstream pressure drops as customers continue to use gravity fed water. When the downstream pressure reached a specific target number, pumps would be locked out when power returned to prevent the pumps from running too fast. Manual control was required to operate the pumps and return the line to normal pressure. If the power outage occurred when roads were impassable or during nonworking hours when the nearest operator is 70 miles away, service interruptions would be unnecessarily long. The programming changes allow remote control of the pumps through one of the telemetry computers following an outage, thereby eliminating the need to have an operator on site.

The scope of operations and maintenance activities in the distribution system continues to broaden as each year brings new challenges. During the past year, the frenzy of activity in the oilfield greatly influenced our work load as new homes, businesses and pipelines carrying petroleum products were constructed. With the new construction comes a demand for water and new service installations, utility locate requests, and in some cases, relocating existing pipelines. Water for oil well fracturing is in high demand and led to the construction of a raw water depot at our Dodge Pump Station.

While we adapt to meet the new challenges, operations and maintenance of existing structures and pipeline facilities must still be met as well. October 2011 will mark 20 years of operation for our raw water facilities. Time has passed quickly, and although the equipment certainly isn't suffering the ravages of time, it does demand more of our time for repairs and maintenance. All things mechanical eventually wear out and the powers of nature never rest.



WATER TREATMENT REPORT

By Roger Dick, Water Treatment Plant Manager



2010 was a busy year for the staff at the Water Treatment Plant (WTP). Wigen Water Technologies was awarded the bid for the ultrafiltration membranes for the new Oliver, Mercer, North Dunn (OMND) WTP. Since they had not previously piloted with Missouri River water, a study was required. The pilot study lasted three and one-half months, during which time the operators collected and recorded a sizable amount of data. Once the study was finished, the membrane manufacturer made operating recommendations for the full-scale system. Construction on the OMND WTP began in the fall of 2010 and is scheduled for completion at the end of 2011 or early 2012.

The WTP staff also spent a considerable amount of time working on both lime slaking systems, which malfunctioned with increasing frequency as the year progressed. With assistance from the manufacturer, a number of problems were finally properly diagnosed and remedied in August.

Both slakers are now operating satisfactorily. During the year, four chemical feed pumps were replaced and a number of delicate instruments were hooked up to an uninterruptable power supply to protect their sensitive electronic components. Also, one of the chlorine feeders failed and had to be replaced. Other items worth mentioning were the replacement of the operations computer, as well as the installation of a new security system.

The two-year Cryptosporidium, Giardia, and E. Coli monitoring program that began in 2008 concluded in early 2010. Test results were such that the Southwest Water Authority (SWA) qualified for the Environmental Protection Agency's (EPA) "Bin 1" Classification, which means no additional treatment is required. The next round of testing will begin in 2016. Total Organic Carbon (TOC) monitoring was increased from quarterly to monthly during 2010 and testing was also performed on 10 primary inorganic chemicals. Six of the 10 were not detected while the other four were detected at levels well below the maximum contaminant level.

The SWA presented its 12th Annual Drinking Water Quality Report (also known as the Consumer Confidence Report) to the customers served by our WTP and its 4th Annual Report to our customers in the three Morton County Service Areas and the Beulah Interim Service Area. These reports contain important information about our drinking water and are available on SWA's Web site at www.swa.swc.state.nd.us. All five systems were in compliance with EPA's regulations.

The WTP treated 1,491,981,000 gallons of raw water during 2010. Each treatment chemical, its main purpose, and amount used is listed below:

- Lime (CaO): Softening (1,817,613 lbs.)
- Aluminum Sulfate (Al₂(SO₄)₂): Cationic coagulant added for clarification (55,919 lbs.)
- Flocculant: Anionic emulsion added as a clarification aid (1,801 lbs.)
- Carbon Dioxide (CO₂): pH adjustment (445,052 lbs.)
- Phosphate (K₄O₇P₂): Corrosion inhibitor (24,649 lbs.)
- Fluoride (H₂SiF₆): Promotes dental health (11,873 lbs.)
- Ammonium Sulfate ((NH₄)₂SO₄): Disinfection (13,192 lbs.)
- Chlorine (Cl₂): Disinfection (55,546 lbs.)

The WTP discharged approximately 850,000 gallons of sludge, which is a combination of chemicals added and impurities removed from the raw water.

TREATMENT DEFINITIONS:

an·i·on·ic \an-ī-än-ik\ adj: characterized by an active and especially surface-active anion

cat·ion·ic \kat-i-ä-nik\ adj: an ion or group of ions having a positive charge and characteristically

moving toward the negative electrode in electrolysis

co-ag-u-lant \ko-a-gy-lent\ n: an agent that causes liquids or solids to coagulate

floc·cu·lant \flä-ky-lent\ n: substance that causes particles to form larger lumps or masses

Dan Juh

SERVICE 2010

TREATED WATER USERS Alliance Ag Co-op	GALLONS USED
Alliance Ag Co-op	428,900
Assumption Abbey	1,167,500
Baker Boy	1,579,900
Beach	
Belfield	31,562,200
Billings County	
Carson	
Dickinson	
Dickinson Research Center	874,700
Dodge	2,282,000
Dunn Center	
Elgin	16,478,400
Gladstone	5,347,800
Glen Ullin	23,137,600
Golden Valley	7,365,300
Golva	2,248,900
GTLE Dakota Plant	
Halliday	9,153,600
Hebron	
Hettinger	
Home on the Range	
Karsky Dairy	
Manning	
McKenzie County Grazing Associ	
Medora	
Missouri Basin	
Mott	
Mott Grain	
New England	
New Hradec	
New Leipzig	
Perkins County Rural Water System	
Prairie Learning Center	
Reeder	
Regent	
Richardton	
Sacred Heart Monastery	
Scranton	
Sentinel Butte	
South Heart	10,550,800
Steffes Manufacturing	
Taylor	
West Medora Campground	
Rural Usage	
Construction	
Other Usage	
Total Treated Water	1,423,338,280

Total Raw Water	
Weigum, Dale	46,000
Sacred Heart Monastery	359,000
Red Trail Energy.	142,047,000
Perhus Brothers 4	730,200
Perhus Brothers 3	4,600
Perhus Brothers 2	85,700
Perhus Brothers1	24,700
Neurohr, Dan	9,800
Moline, Dale and Sue	12,000
Lorenz, Fred	325,600
Lorenz, Ervin	93,500
Gerald Kadrmas 2	
Gerald Kadrmas 1	
Jurgens, Robert	
Hueske, Ken	
Haas, C.B. "Buck"	
Dodge Depot	
Assumption Abbey	157,000
RAW WATER USERS	GALLONS USED

Total Beulah Interim	9.717.000
Rural	3,261,000
Zap	6,456,000
BEULAH INTERIM	GALLONS USED

Total MWWS	•
Rural	8,996,100
MWWS*	GALLONS USED

TOTAL GALLONS USED......1,600,642,180

^{*}Missouri West Water System

INDEPENDENT AUDITOR'S REPORT

To the Board of Directors Southwest Water Authority Dickinson, North Dakota Note: This is not a complete set of financial statements. A complete set is available at the Southwest Water Authority Office.

We have audited the accompanying financial statements of the business-type activities of Southwest Water Authority, as of and for the years ended December 31, 2010 and 2009, which collectively comprise the Southwest Water Authority's basic financial statements as listed in the table of contents. These financial statements are the responsibility of Southwest Water Authority management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America and "Government Auditing Standards," issued by the Comptroller General of the United States. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities of Southwest Water Authority, as of December 31, 2010 and 2009, and the respective changes in financial position and cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

In accordance with Government Auditing Standards, we have also issued a report dated March 18, 2011 on our consideration of Southwest Water Authority's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards and should be considered in assessing the results of our audit.

The Management's Discussion and Analysis (MD & A) on pages 3 through 7 are not a required part of the basic financial statements but is supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the information and express no opinion on it.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The financial information listed as supplementary information in the table of contents is presented for purposes of additional analysis and is not a required part of the basic financial statements. The supporting schedules have been subjected to the auditing procedures applied in our audits of the basic financial statements and, in our opinion, are fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

Brady, Martz

BRADY, MARTZ & ASSOCIATES, P.C.

March 18, 2011





Management's Discussion and Analysis

December 31, 2010 and 2009

As management of the Southwest Water Authority, we offer readers of the Southwest Water Authority's financial statements this narrative overview and analysis of the financial activities of the Southwest Water Authority for the fiscal years ended December 2010, 2009 and 2008. We encourage readers to consider the information presented here in conjunction with Southwest Water Authority's financial statements and footnotes, which are presented within this report.

Financial Highlights

The assets of the Southwest Water Authority totaled \$14,529,629 as of the end of the year 2010 compared with \$13,912,763 as of the end of the year 2009 and \$14,017,942 as of the end of the year 2008. This is a total increase in total assets of \$616,866 between 2010 and 2009, and a decrease in total assets of \$105,179 between 2009 and 2008. The liabilities totaled \$1,039,781 for 2010 compared with \$1,080,463 for 2009 and \$1,107,011 for 2008. The net assets exceeded its liabilities at the close of the most recent fiscal year by \$13,489,848. This compares with the year ending December 31, 2009 by \$12,832,300 for an increase in net assets of \$657,548 between 2010 and 2009 and the year ending December 31, 2008 by \$12,910,931 for a decrease in net assets of \$78,631 between 2009 and 2008.

The majority of assets are in the form of cash and cash equivalents in the form of short-term CD's as well as investments held at the American Trust Center.

Assets held in the American Trust Center total \$9,691,695 at year-end compared with \$8,497,847 at year-end of 2009 and \$7,270,928 at year-end of 2008. The amount that is the Replacement and Extraordinary Maintenance Fund is \$8,523,737 at year-end compared with \$7,332,901 at year-end 2009 and \$6,371,359 at year-end 2008. This is an increase of \$1,190,836 between 2010 and 2009, and an increase of \$961,542 between 2009 and 2008. The North Dakota Legislature established the Replacement and Extraordinary Maintenance Fund when the Southwest Pipeline Project was authorized. This fund was created to cover costs of an extraordinary nature and/or to replace parts of an aging distribution system. It is funded by water customers system wide. The current rate is \$.35 per 1,000 gallons sold to all customers. In addition, \$.10 per 1,000 gallons sold to rural customers is also collected for the rural distribution system. The fees are deposited on a monthly basis into this fund.

The amount in the Escrow Fund is \$428,981 at year-end compared with \$457,206 at year-end 2009 and \$400,742 at year-end 2008. This is a decrease of \$28,225 between 2010 and 2009, and an increase of \$56,464 between 2009 and 2008. Of this amount, \$308,007 is restricted. This compares with \$282,382 as of year-end 2009, which is an increase of \$25,625 between 2010 and 2009, and \$360,445 as of year-end 2008, which is a decrease of \$78,063 between 2009 and 2008. These are the hookup fees paid by customers who sign up for water. When water becomes available, the hookup fees are recognized as revenue. If, however, the Southwest Water Authority is unable to serve these individuals, the hookup fees must be refunded.

Total cash in bank as of the end of the year is \$2,734,632 compared with \$2,980,910 at the end of 2009 and \$4,081,474 at the end of 2008. This is a decrease of \$246,278 between 2010 and 2009 and a decrease of \$1,100,564 between 2009 and 2008. This is made up of checking and money market accounts as well as certificates of deposit.

The liabilities total \$1,039,781 for 2010 compared with \$1,080,463 at year-end 2009 and \$1,107,011 at year-end 2008. This is a decrease in liabilities of \$40,682 between 2010 and 2009, and a decrease of \$26,548 between 2009 and 2008. Of this amount, \$622,882 is current liabilities mostly in the form of accounts payable. This compares with 2009 ending balance of \$653,193 in current liabilities, and ending balance of \$612,157 in current liabilities for 2008. This is a decrease in current liabilities of \$30,311 between 2010 and 2009, and an increase of \$41,036 between 2009 and 2008. The long-term liabilities total \$416,899 at year-end compared with \$427,270 at year-end 2009 and \$494,854 at year-end 2008. Of this amount, \$308,007 is deferred revenue for year-end 2009 compared with \$282,382 year-end 2009, and \$360,445 year-end 2008. Deferred revenue or hookup fees are held in escrow for customers who have signed up for water service with the Southwest Pipeline Project. When service becomes available, these funds will be released and will then be recognized as revenue. If the Southwest Pipeline Project is unable to provide water service, these hookup fees will be refunded to the Also included in long-term liabilities for 2010 are rental deposits from tenants/customers of \$49,000, compared with \$88,250 for year-end 2009, and \$89,727 for yearend 2008.

Management's Discussion and Analysis - Continued

December 31, 2010 and 2009

Overview of the Financial Statements

This discussion and analysis are intended to serve as an introduction to the Southwest Water Authority's basic financial statements. The Southwest Water Authority's basic financial statements comprise four components: 1) Balance Sheet, 2) Statement of Revenues, Expenses and Changes in Net Assets, 3) Statement of Cash Flows and 4) Notes to the Financial Statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

Basic Financial Statements

The basic financial statements are designed to provide readers with a broad overview of the Southwest Water Authority's finances, in a manner similar to a private-sector business.

The balance sheet presents information on all of the Southwest Water Authority's assets and liabilities, with the difference between the two reported as net assets. Over time, increases or decreases in net assets may serve as a useful indicator of whether the financial position of the Southwest Water Authority is improving or deteriorating.

CONDENSED BALANCE SHEETS

	2010	2009	2008
ASSETS			
Unrestricted current assets	\$ 4,886,246	\$ 5,173,821	\$ 6,145,885
Restricted noncurrent assets	8,762,796	7,928,890	7,142,929
Capital assets	880,587	810,052	729,128
Total Assets	\$ 14,529,629	\$ 13,912,763	\$ 14,017,942
LIABILITIES			
Current Liabilities	\$ 622,882	\$ 653,193	\$ 612,157
Long-term liabilities	416,899	427,270	494,854
Total liabilities	1,039,781	1,080,463	1,107,011
NET ASSETS			
Invested in capital assets, net of related debt	880,587	810,052	729,128
Restricted net assets	8,762,796	7,928,890	7,142,929
Unrestricted net assets	3,846,465	4,093,358	5,038,874
Total Net Assets	13,489,848	12,832,300	12,910,931
Total Liabilities and Net Assets	\$ 14,529,629	\$ 13,912,763	\$ 14,017,942



Management's Discussion and Analysis - Continued

December 31, 2010 and 2009

The Statement of Revenues, Expenses, and changes in Net Assets presents information showing how the entity's net assets changed during the most recent fiscal year. All changes in net assets are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods.

STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET ASSETS

	2010	2009	2008
Operating revenues:			
Sales	\$ 6,828,462	\$ 6,459,759	\$ 6,340,479
Hook up fee transfers	40,823	103,708	135,649
Other	72,366	94,757	142,123
Total operating revenues	6,941,651	6,658,224	6,618,251
Operating expenses:			
Transmission	3,287,592	3,445,604	2,818,842
Distribution	2,002,402	2,052,625	1,795,187
Board of directors	200,449	194,257	177,967
Administrative	491,408	442,165	376,365
Easement acquisition	64,527	69,418	73,759
Rural water sign-up	85,917	76,273	83,816
Customer service	88,966	98,798	77,854
Treatment	861,506	923,371	871,202
Total operating expenses	7,082,767	7,302,511	6,274,992
Operating income/(loss)	(141,116)	(644,287)	343,259
Nonoperating revenue:			
Property taxes	276,625	257,555	236,071
Unrealized gain/(loss) on investments	97,009	(100,020)	72,001
Investment income	425,030	408,121	479,727
Total nonoperating revenue	798,664	565,656	787,799
Change in net assets	657,548	(78,631)	1,131,058
Total net assets - beginning of year	12,832,300	12,910,931	11,779,873
Total net assets - end of year	\$ 13,489,848	\$ 12,832,300	\$ 12,910,931

Management's Discussion and Analysis - Continued

December 31, 2010 and 2009

Fund financial statements

A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The Southwest Water Authority uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. The Southwest Water Authority has one fund, an enterprise fund. The enterprise fund is for the Operations and Maintenance of the Southwest Pipeline Project. The main sources of revenue for this fund are from the sale of water and from a mill levy that is levied by the Southwest Water Authority in the amount of one mill in each of the twelve countles that are a part of the Southwest Water Authority.

The revenues from the sale of water totaled \$6,828,462 compared with \$6,459,759 for 2009, and \$6,340,479 for 2008. This is an increase in revenues of \$368,703 between 2010 and 2009, and an increase of \$119,280 between 2009 and 2008. The net income/net loss for each department are transmission net loss of \$324,450, distribution net income of \$85,153 and treatment net income of \$43,801. This compares with net income/net loss by department for 2009 of transmission net loss of \$245,980, distribution net loss of \$1,859 and treatment net loss of \$111,804, and net income/net loss by department for 2008 of transmission net income of \$48,570, distribution net income of \$97,389 and treatment net loss of \$52,354.

The mill levy generated income of \$276,625 for 2010 compared with \$257,555 for the year 2009 and \$236,071 for the year 2008. This is an increase of \$19,070 between 2010 and 2009, and an increase of \$21,484 between 2009 and 2008. The administration activities had a net loss of \$94,475 compared with a net income of \$5,866 for 2009, and a net income of \$89,770 for 2008. Administration includes activities for the board of directors, administration, sign up and easements.

The actual revenues and expenses were within the overall budget. Revenues were within budgeted numbers for the year without any significant variance. The revenues were less than 2% of projections and the expenses were within reason of the budget parameters by being under budget within 2%.

The Southwest Water Authority sold a total of 1,600,642,180 gallons of water in 2010 compared with 1,497,743,900 gallons of water in 2009 and 1,597,024,000 gallons of water in 2008. This is an increase of 102,898,280 gallons between 2010 and 2009, and a decrease of 99,280,100 gallons between 2009 and 2008. This is 1.95% over the projection for the year of 1,570,000,000 gallons for 2010.

Requests for Information

This financial report is designed to provide a general overview of the Southwest Water Authority's finances for all those with an interest in the Southwest Water Authority's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to: Chief Financial Officer, Southwest Water Authority, 4665 Second Street SW, Dickinson, ND 58601-7231. You can also contact the Southwest Water Authority online at swa@swwater.com or visit on the web at swa@swwater.com or visit on the web at swa@swater.com or visit or swater.



Balance Sheets

December 31, 2010 and 2009

ASSETS	2010	2009
Current Assets	The contract of	
Cash and cash equivalents - unrestricted	\$ 1,265,525	\$ 561,564
Investments	2,725,108	3,758,120
Receivables:	2,720,100	0,700,120
Accounts (net of allowance of \$2,566 and \$5,739		
in 2010 and 2009, respectively)	536,117	522,915
Interest	15,911	27,253
Prepaid expenses	22,467	40,913
Inventory	321,118	263,056
Total current assets	4,886,246	5,173,821
Noncurrent Assets		
Restricted assets:		
Cash and cash equivalents	191,373	535,401
Investments	8,523,737	7,332,901
Interest receivable	47,686	60,588
Capital Assets:		
Land	7,657	7,657
Improvements, furniture and equipment, net	872,930	802,395
Total noncurrent assets	9,643,383	8,738,942
Total Assets	\$ 14,529,629	\$ 13,912,763
LIABILITIES AND NET ASSETS	2010	2009
Current Liabilities		
Accounts payable	\$ 371,834	\$ 393,374
Due to ND State Water Commission		21,154
Accrued salaries	113,684	108,422
Compensated absences, current portion	85,949	80,304
Accrued expenses	51,415	49,939
Total current liabilities	622,882	653,193
Long-term Liabilities		
Compensated absences, net of current portion	59,892	56,638
Deferred revenue	308,007	282,382
Rental/customer deposits	49,000	88,250
Total long-term liabilities	416,899	427,270
Total liabilities	1,039,781	1,080,463
Net Assets		
Invested in capital assets, net of related debt	880,587	810,052
Restricted for replacement	8,762,796	7,928,890
Unrestricted	3,846,465	4,093,358
Total Net Assets	13,489,848	12,832,300



Statements of Revenues, Expenses and Changes in Fund Net Assets

For the Years Ended December 31, 2010 and 2009

	2010 2009
Operating revenues:	
Sales	\$ 6,828,462 \$ 6,459,759
Hook up fee transfers	40,823 103,708
Other	72,366 94,757
Total operating revenues	6,941,651 6,658,224
Operating expenses:	
Transmission	3,287,592 3,445,604
Distribution	2,002,402 2,052,625
Board of directors	200,449 194,257
Administrative	491,408 442,165
Easement acquisition	64,527 69,418
Rural water sign-up	85,917 76,273
Customer service	88,966 98,798
Treatment	861,506 923,371
Total operating expenses	7,082,767 7,302,511
Operating loss	(141,116) (644,287)
Nonoperating revenue:	
Property taxes	276,625 257,555
Unrealized gain/(loss) on investments	97,009 (100,020)
Investment income	425,030 408,121
Total nonoperating revenu	e 798,664 565,656
Change in net assets	657,548 (78,631)
Total net assets - beginning of year	12,832,300 12,910,931
Total net assets - end of year	\$ 13,489,848 \$ 12,832,300



POTABLE WATER USAGE

User	January	February	March	April	May	June	July	August	September	October	November	December	User Total
Alliance Ag Co-op	1.00	0.0	0.0	0.0	45.30	7.50	91.50	77.40	104.20	0.0	83.20	18.80	428.90
Assumption Abbey	95.70	82.70	99.10	101.00	86.00	85.00	156.00	120.00	81.00	00.66	82.00	80.00	1,167.50
Baker Boy	64.80	95.80	63.80	117.80	180.10	188.60	135.20	128.20	161.00	146.10	156.90	141.60	1,579.90
Beach	3,094.70	2,254.90	2,247.10	3,186.00	2,642.30	2,954.70	4,566.90	5,087.80	3,903.20	3,259.40	2,471.40	2,387.00	38,055.40
Belfield	2,900.90	2,743.10	2,541.00	2,313.40	1,910.60	2,413.70	3,748.30	3,517.90	2,526.50	2,588.50	2,091.80	2,266.50	31,562.20
Billings County	0.0	0.0	0.0	0.0	233.80	78.00	08.80	116.50	116.10	6.30	09.0	0.0	651.10
Carson	708.20	556.80	551.70	673.70	619.40	727.40	847.40	736.80	655.10	692.60	524.40	518.50	7,812.00
Dickinson	46,988.70	40,095.10	39,611.70	47,164.80	47,472.50	58,469.60	93,587.40	88,307.10	68,173.70	67,080.40	50,003.60	45,915.10	692,869.70
Dickinson Research Center	45.10	44.60	36.60	86.80	118.40	163.80	66.20	38.40	00.79	91.80	56.20	59.80	874.70
Dodge	172.00	147.00	143.00	178.00	182.00	243.00	304.00	261.00	165.00	182.00	145.00	160.00	2,282.00
Dunn Center	289.00	224.80	214.30	230.60	239.50	264.90	374.80	326.00	268.30	292.18	281.40	320.70	3,326.48
Elgin	1,462.50	1,187.10	1,163.80	1,367.60	1,210.20	1,522.40	1,688.80	1,650.70	1,417.10	1,488.80	1,170.80	1,148.60	16,478.40
Gladstone	480.00	401.70	366.70	451.10	377.90	504.40	568.50	528.20	436.50	459.40	384.40	389.00	5,347.80
Glen Ullin	2,138.00	1,669.30	1,521.80	1,974.00	1,688.20	1,985.30	2,770.70	2,359.30	1,843.90	1,918.50	1,619.50	1,649.10	23,137.60
Golden Valley	556.40	473.70	516.00	646.70	567.70	763.20	984.80	854.80	763.30	602.30	303.10	333.30	7,365.30
Golva	188.80	145.10	137.40	166.80	162.20	211.40	302.90	286.30	170.90	161.50	127.80	187.80	2,248.90
GTLE Dakota Plant	0.0	60.20	34.50	14.90	21.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131.40
Halliday	1,004.30	1,035.80	1,116.80	1,097.40	594.00	628.80	771.50	714.70	699.40	530.40	441.50	519.00	9,153.60
Hebron	1,507.10	1,357.00	1,233.50	1,672.30	1,392.00	1,883.90	2,355.10	2,202.50	1,697.80	2,227.40	1,481.30	1,554.20	20,564.10
Hettinger	4,374.00	3,441.20	3,227.00	3,861.20	3,516.00	4,426.00	7,080.00	6,022.10	5,383.00	5,117.00	4,208.20	4,481.00	55,136.70
Home on the Range	44.90	38.00	37.50	43.50	38.50	39.00	41.50	42.50	35.00	47.90	41.30	48.30	497.90
Karsky Dairy	191.20	168.70	155.20	204.20	193.80	213.40	185.90	219.00	165.40	188.10	167.70	179.20	2,231.80
Manning	112.90	109.50	102.50	113.40	119.50	199.60	221.90	215.00	164.90	138.30	85.90	87.40	1,670.80
MCGA*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	286.50	130.80	169.00	70.50	0.0	656.80
Medora	378.20	290.80	311.20	645.40	882.80	2,034.60	3,662.50	3,627.50	2,177.60	1,127.60	280.60	515.20	16,234.00
						Per 1,000	Per 1,000 Gallons						





POTABLE WATER USAGE CONTINUE

User	January	February	March	April	May	June	July	August	September	October	November	December	User Total
Missouri Basin	263.90	481.80	550.20	480.90	376.60	601.20	393.90	613.80	478.50	552.60	387.50	793.60	5,974.50
Mott	1,960.20	1,621.10	1,698.80	2,062.80	1,698.30	2,414.40	2,285.30	2,072.20	1,853.90	2,524.10	1,844.90	1,584.30	23,611.30
Mott Grain	0.50	0.0	0.0	0.0	283.50	234.90	247.60	80.30	136.80	211.80	14.40	14.60	1,224.40
New England	1,596.60	1,291.40	1,132.70	1,811.80	1,402.20	2,284.00	2,799.60	2,025.80	1,611.80	1,724.90	1,092.70	1,239.40	20,012.90
New Hradec	82.30	64.40	63.20	73.00	67.70	124.50	133.90	101.10	83.80	91.00	82.20	73.00	1,040.10
New Leipzig	495.90	383.40	357.90	602.50	428.60	524.60	721.20	597.00	454.40	540.40	430.50	363.60	5,900.00
PCRWS**	9,864.30	8,951.40	8,667.50	11,546.00	8,764.70	11,231.80	11,679.30	9,655.30	8,496.10	10,393.80	8,972.50	10,061.20	118,283.90
PLC***	149.70	105.70	188.70	141.00	114.00	59.70	107.00	152.80	06.69	95.30	81.70	180.10	1,445.60
Reeder	284.80	456.70	368.40	345.60	348.70	526.20	507.70	476.40	350.00	465.80	490.80	399.40	5,020.50
Regent	387.80	367.40	341.10	565.50	521.10	818.80	720.30	626.20	745.00	706.40	404.20	420.30	6,624.10
Richardton	1,310.30	1,160.30	1,142.40	1,378.60	1,107.50	1,455.30	1,886.40	1,775.80	1,463.40	1,489.60	1,134.70	1,213.40	16,517.70
SHM****	44.00	36.00	40.00	43.00	42.00	51.00	54.00	46.00	36.00	36.00	32.00	26.00	486.00
Scranton	1,202.50	1,026.00	1,023.20	1,057.00	880.40	1,288.30	1,397.60	1,331.40	1,040.70	1,501.30	1,118.80	1,106.20	13,973.40
Sentinel Butte	180.70	140.70	180.60	121.60	108.40	118.30	208.20	179.70	139.90	182.30	173.50	947.80	2,681.70
South Heart	740.60	626.60	613.60	757.40	710.50	873.00	1,595.60	1,265.00	973.50	971.20	697.20	726.60	10,550.80
SM****	105.10	133.00	78.30	153.40	163.70	117.80	102.90	78.50	165.40	162.80	207.20	130.70	1,598.80
Taylor	312.00	271.00	248.00	319.00	295.00	371.00	662.00	534.00	405.00	383.00	290.00	276.00	4,366.00
WMC****	24.00	19.00	19.00	27.00	77.00	190.00	339.00	280.00	139.00	46.00	39.00	139.00	1,338.00
Monthly Total	85,803.60	73,758.80	72,145.80	87,796.70	81,875.40	103,293.00	150,453.10	139,617.50	109,949.80	110,692.78	84,072.90	82,655.30	1,182,114.68
Beulah Interim Potable Water Contract	Potable Wate	r Contract											
User	January	February	March	April	May	June	July	August	September	October	November	December	User Total
Zap	519.30	472.20	440.20	508.10	485.90	655.30	714.60	643.20	532.60	561.70	462.30	460.60	6,456.00
Monthly Total	519.30	472.20	440.20	508.10	485.90	655.30	714.60	643.20	532.60	561.70	462.30	460.60	6,456.00
Grand Total	86,322.90	74,231.00	72.586.00	88,304.80	82,361.30	103,948.30	151,167.70	140,260.70	110,482.40	111,254.48	84,535.20	83,115.90	1,188,570.68
						Per 1,000	Per 1,000 Gallons						
•											N 10	. 0000	

Definitions: *McKenzie County Grazing Association (MCGA); **Perkins County Rural Water System (PCRWS); ***Prairie Learning Center (PLC); **** Sacred Heart Monastery (SHM); ***** Steffes Manufacturing (SM); *****West Medora Campground (WMC)

RURAL WATER USAGE HISTORY

Total	15,845,000	46,373,400	00,896,600	69,790,900	78,470,200	99,415,500	99,503,300	122,199,500	140,725,400	147,411,300	156,887,000	187,372,300	193,659,300	222,954,800	202,011,000	220,995,700		Total	511,700	6,045,100	9,392,100	8,997,700	8,996,100		Total	19,600	2,019,800	3,440,100	3,298,700	3,261,000	
Docombor	2,130,000	5,328,000	4,853,000	4,776,100	7,047,500	7,166,100	7,860,900	8,463,100	9,372,700	9,765,600	10,926,200	11,873,900	12,925,100	14,159,700	13,051,800	21,616,400		December	96,700	315,200	432,200	564,900	484,300		December	19,600	198,700	151,300	169,200	280,100	
November	1,839,000	4,026,400	4,679,100	6,136,000	6,717,200	7,627,100	7,364,200	9,111,700	10,257,100	10,106,100	11,281,500	11,186,500	14,029,500	13,149,000	12,820,500	16,420,800		November	132,600	629,200	370,100	329,400	2,531,000		November	0	160,400	168,800	186,400	231,100	
October	1,531,000	4,342,000	6,124,000	6,672,900	7,742,800	10,638,200	10,084,400	16,109,900	19,743,800	19,217,100	24,084,600	28,022,600	30,487,300	40,761,800	34,945,500	30,133,600		October	237,000	1,783,300	3,574,500	3,806,500	748,500		October	0	481,900	588,300	490,900	267,900	
Contombor	1,822,000	5,598,000	5,623,200	6,742,300	7,579,700	10,089,100	10,633,300	11,186,900	14,823,500	14,405,200	16,177,400	19,695,200	17,055,500	22,500,900	18,429,600	19,243,400		September	42,800	383,400	687,500	499,400	628,200		September	0	209,200	507,700	653,300	457,900	
Anomet	1,708,000	4,829,000	6,136,200	7,279,200	8,430,100	9,147,300	8,853,700	12,878,000	14,851,300	14,729,100	14,552,400	20,735,000	23,819,000	21,999,800	17,906,800	20,349,400		August	2,600	920,500	625,200	611,500	626,000		August	0	312,000	421,000	337,300	438,600	
Inh	1,601,000	4,435,000	6,041,300	5,945,000	7,307,200	8,886,400	8,687,300	12,067,400	12,869,800	15,676,800	13,786,700	21,531,000	17,820,500	22,704,700	19,826,900	19,911,300		July	0	376,500	703,900	531,100	803,400		July	0	182,400	490,700	316,000	381,100	
Inno	1,282,000	3,537,000	5,516,800	7,228,400	6,078,700	8,979,700	9,377,700	11,816,800	12,353,200	12,985,500	13,780,800	18,998,700	16,218,600	19,691,600	18,129,000	18,537,900	MWWS.)	June	0	356,600	499,600	687,200	546,400	h.)	June	0	146,600	310,100	217,000	298,800	
Max	934,000	2,994,000	4,642,000	5,105,200	5,589,900	7,979,600	7,890,200	8,591,300	10,030,800	11,882,600	11,416,100	12,665,800	14,103,500	15,257,600	14,710,300	16,175,900	urchased from	May	0	303,000	543,500	324,500	509,100	he city of Beulal	May	0	89,600	193,300	210,900	265,600	
Anvil	841,000	3,096,000	4,383,300	4,889,400	6,081,700	7,618,300	7,199,700	8,452,700	8,999,500	9,678,100	11,043,100	11,034,400	12,102,600	13,831,600	14,287,900	15,545,800	sage History (P	April	0	278,000	501,200	434,900	549,800	rchased from tl	April	0	67,800	160,800	170,300	193,800	
March	797,000	3,001,000	3,876,400	4,694,500	4,912,600	6,538,000	6,803,000	7,367,300	8,645,200	8,627,700	9,593,300	10,680,600	11,039,200	12,662,100	11,280,700	14,102,900	Rural Water Us	March	0	236,300	479,400	338,200	629,500	age History (Pu	March	0	54,200	125,500	170,900	144,800	
Fohrmary	722,000	2,513,000	4,513,300	5,108,300	5,355,100	7,178,100	7,182,800	7,351,300	9,030,800	9,838,200	006,908,6	10,172,100	11,560,700	12,979,800	11,839,600	15,195,500	Missouri West Water System (MWWS) Rural Water Usage History (Purchased from MWWS.)	February	0	147,600	445,600	308,300	402,700	Beulah Interim Service Rural Water Usage History (Purchased from the city of Beulah.)	February	0	62,700	167,200	141,200	137,700	
January	638,000	2,674,000	4,508,000	5,213,600	5,627,700	7,567,600	7,566,100	8,803,100	9,747,700	10,499,300	10,438,000	10,776,500	12,497,800	13,256,200	14,782,400	13,762,800	West Water Sys	January	0	315,500	529,400	561,800	501,200	terim Service F	January	0	54,300	155,400	235,300	163,600	
Voar	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Missouri	Year	2006	2007	2008	2009	2010	Beulah In	Kear	2006	2007	2008	2009	2010	0100

223,252,800

22,380,800

19,182,900

31,186,000

20,329,500

21,414,00

21,095,800

19,383,100

16,950,600

16,289,400

14,877,200

15,735,900

14,427,600

WATER SERVICE CONTRACTS

	__\	10	_	8	_	10		4	0	4		0		~	~	~		~	~	4	0	3	7	3	0	6	6	7	m		4	0	_	m
Total	\$3,804.02	\$4,903.55	\$5,008.31	\$120,635.68	\$100,052.27	\$3,804.05	\$24,764.10	\$2,196,397.04	\$5,039.99	\$7,233.94	\$10,545.00	\$52,236.59	\$16,952.60	\$73,346.28	\$23,348.08	\$9,445.48	\$3,834.00	\$29,016.98	\$65,188.28	\$174,783.34	\$5,040.00	\$7,074.83	\$7,017.52	\$3,804.03	\$51,461.80	\$18,939.19	\$74,847.89	\$3,881.37	\$63,440.93	\$4,368.51	\$18,703.04	\$251,944.80	\$4,582.17	\$15,915.03
Demand	\$0.00	\$1,214.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,124.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,338.86	\$0.00	\$0.00	\$0.00	\$0.00	\$1,248.00	\$0.00	\$1,737.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,081.71	\$0.00	\$0.00	\$0.00	\$0.00
Cap. Repayment	\$1,248.01	\$1,214.20	\$1,643.08	\$39,577.63	\$32,824.69	\$1,247.99	\$8,124.49	\$720,584.48	\$1,371.12	\$2,373.28	\$3,459.54	\$17,137.52	\$5,561.73	\$24,063.10	\$7,659.91	\$2,338.86	\$1,248.00	\$9,519.75	\$21,386.66	\$57,342.17	\$1,248.00	\$2,321.09	\$1,737.65	\$1,248.00	\$16,883.35	\$6,213.48	\$24,555.75	\$1,273.37	\$20,813.42	\$1,081.71	\$6,136.01	\$0.00	\$1,503.00	\$5,221.33
Replacement	\$420.02	\$408.64	\$552.97	\$13,319.42	\$11,046.81	\$420.02	\$2,734.22	\$242,504.43	\$420.00	\$798.70	\$1,164.29	\$5,767.46	\$1,871.76	\$8,098.20	\$2,577.89	\$787.14	\$420.01	\$3,203.78	\$7,197.47	\$19,297.85	\$420.00	\$781.15	\$584.82	\$420.01	\$5,681.91	\$2,091.10	\$8,263.99	\$428.56	\$7,004.53	\$364.06	\$2,065.02	\$41,399.40	\$506.00	\$1,757.19
Reserve	\$84.00	\$58.39	\$110.60	\$2,663.88	\$2,209.37	\$84.01	\$546.86	\$48,500.90	\$60.00	\$159.74	\$232.86	\$1,153.51	\$374.36	\$1,619.64	\$515.58	\$112.47	\$84.00	\$640.78	\$1,439.50	\$3,859.56	\$60.00	\$156.22	\$83.58	\$84.01	\$1,136.38	\$418.21	\$1,652.79	\$85.72	\$1,400.91	\$52.03	\$413.00	\$8,279.89	\$101.20	\$351.45
Treatment	\$780.02	\$758.89	\$1,026.94	\$24,736.04	\$20,515.47	\$780.02	\$5,077.82	\$450,365.34	\$780.00	\$1,483.30	\$2,162.24	\$10,710.98	\$3,476.10	\$15,039.48	\$4,787.48	\$1,461.81	\$780.01	\$5,949.86	\$13,366.70	\$35,838.86	\$780.00	\$1,450.69	\$1,086.06	\$780.01	\$10,552.11	\$3,883.45	\$15,347.38	\$795.88	\$13,008.40	\$676.09	\$3,835.02	\$76,884.57	\$939.68	\$3,263.34
<i>O&M</i> ++	\$1,271.97	\$1,249.23	\$1,674.72	\$40,338.71	\$33,455.93	\$1,272.01	\$8,280.71	\$734,441.89	\$1,284.01	\$2,418.92	\$3,526.07	\$17,467.12	\$5,668.65	\$24,525.86	\$7,807.22	\$2,406.34	\$1,301.98	\$9,702.81	\$21,797.95	\$58,444.90	\$1,284.00	\$2,365.68	\$1,787.76	\$1,272.00	\$17,208.05	\$6,332.95	\$25,027.98	\$1,297.84	\$21,213.67	\$1,112.91	\$6,253.99	\$125,380.94	\$1,532.29	\$5,321.72
Billed+	1,200.00	1,167.50	1,579.90	38,055.40	31,562.20	1,200.00	7,812.00	692,869.70	1,200.00	2,282.00	3,326.48	16,478.40	5,347.80	23,137.60	7,365.30	2,248.90	1,200.00	9,153.60	20,564.10	55,136.70	1,200.00	2,231.80	1,670.80	1,200.00	16,234.00	5,974.50	23,611.30	1,224.40	20,012.90	1,040.10	5,900.00	118,283.90	1,445.60	5,020.50
User	Alliance Ag Co-op	Assumption Abbey	Baker Boy	Beach	Belfield	Billings County	Carson	Dickinson	Dickinson Research Center	Dodge	Dunn Center	Elgin	Gladstone	Glen Ullin	Golden Valley	Golva	GTLE Dakota Plant	Halliday	Hebron	Hettinger	Home on the Range	Karsky Dairy	Manning	MCGA*	Medora	Missouri Basin	Mott	Mott Grain	New England	New Hradec	New Leipzig	PCRWS**	PLC***	Reeder

944 \$2,041.20 900 \$44,295.75 900 \$8,501.06 900 \$33,446.05 900 \$5,068.24
\$505.44 \$505.44 \$500 \$732.37 \$0.00 \$772.82 \$0.00 \$62.76 \$0.00 \$60.00
\$4,890.71 \$14,532.37 \$938.63 \$2,788.97 \$3,692.79 \$10,972.82 \$559.61 \$1,662.76
\$3,692.79 \$10 \$3,692.79 \$10 \$559.61 \$1
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91119
4,300.00

Definitions: *McKenzie County Grazing Association (MCGA); **Perkins County Rural Water System (PCRWS); ***Prairie Learning Center (PLC); ***West Medora Campground (WMC)

++ Operations and Maintenance

+ Per 1,000 Gallons Billed

ANNUAL CAPITAL REPAYMENT

Capital repayment is a portion of the water rate charged by Southwest Water Authority to pay back the cost of construction of the pipeline. In 1982, a study determined that due to economic constraints in southwest North Dakota there would be a limit to the amount customers could pay in order to cover the cost of construction. Since capital repayment is based on the ability to pay, the portion of the rate designated for capital repayment is indexed to the Consumer Price Index and adjusted annually.

For all contract customers, the capital repayment rate is based upon a per thousand gallons charge. For all rural customers, the capital repayment rate is a portion of the minimum payment. This money is paid monthly to the North Dakota State Water Commission or the bond bank.

Below is a chart showing the payment history of capital repayment by water users throughout the system:

	1991-1992	1993	1994	1995	1996
Contract	\$224,065.00	\$190,433.00	\$292,997.00	\$408,563.00	\$418,179.77
Rural	\$0.00	\$5,540.00	\$7,475.00	\$95,616.00	\$316,814.38
Total	\$224,065.00	\$195,973.00	\$300,472.00	\$504,179.00	\$734,994.15

	<u>1997</u>	1998	1999	2000	2001
Contract	\$487,828.22	\$568,497.91	\$580,865.33	\$634,275.73	\$751,392.41
Rural	\$370,085.00	\$347,293.46	\$445,131.91	\$524,952.50	\$556,470.52
Total	\$857,913.22	\$915,791.37	\$1,025,997.24	\$1,159,228.23	\$1,307,862.93

	2002	2003	2004	2005	2006
Contract	\$800,159.52	\$861,015.31	\$846,041.48	\$897,289.69	\$1,067,345.59
Rural	\$630,004.66	\$718,768.94	\$774,667.77	\$809,668.64	\$881,134.67
Total	\$1,430,164.18	\$1,579,784.25	\$1,620,709.25	\$1,706,958.33	\$1,948,480.26

	2007	2008	2009	2010	<u>Total</u>
Contract	\$1,244,385.61	\$1,269,698.28	\$1,255,131.37	\$1,344,386.07	\$14,142,550.29
Rural	\$1,063,680.25	\$1,184,034.70	\$1,363,856.74	\$1,432,160.52	\$11,527,355.66
Total	\$2,308,065.86	\$2,453,732.98	\$2,618,988.11	\$2,776,546.59	\$25,669,905.95



REPLACEMENT AND EXTRAORDINARY MAINTENANCE FUND

In 1981, when the Southwest Pipeline Project (SWPP) was authorized, the North Dakota Legislature established the Replacement and Extraordinary Maintenance (REM) Fund. This fund was set up to cover costs of an extraordinary nature or to replace parts of the system as they reach their life expectancy. Disbursements from this account have to meet criteria and be approved by the North Dakota State Water Commission (NDSWC) and Southwest Water Authority (SWA) Board of Directors.

A portion of the water rate charged by SWA is for REM. The rate is charged on every 1,000 gallons of water billed. The REM rate is one of the components of the rate structure which is paid by all customers, both contract and rural.

Originally, the rate was set at \$0.30 per 1,000 gallons of water sold, but in 1998 a rate study was completed to determine the fairness and correctness of the rate structure. The study concluded, in order to meet the future extraordinary maintenance needs of the pipeline, the rate for REM should be increased to \$0.35 per 1,000 gallons and has remained this amount since 1999.

In order to comply with the North Dakota Century Code, when SWA took over operations and maintenance of the SWPP from the NDSCW in 1996, an account was established to track REM Funds separately. The following table summarizes account activity:

	1991-1995	1996	1997	1998	1999	2000
Beginning Balance	\$0	\$735,372	\$1,016,563	\$1,315,966	\$1,630,497	\$2,002,873
Contributions						
Contract	727,434	230,837	234,566	254,697	298,472	320,454
Rural	7,938	17,899	22,994	27,361	33,369	43,850
Interest	0	22,006	56,919	83,945	98,511	121,376
Dividends	0	13,025	6,524	9,070	5,601	9,137
Fiduciary Fees	0	(2,575)	4,655)	(6,105)	(7,302)	(8,602)
Disbursements	0	0	(16,945)	(54,438)	(56,275)	(174,195)
Ending Balance	\$735,372	\$1,016,563	\$1,315,966	\$1,630,497	\$2,002,873	\$2,314,893
	-004					•004
	2001	2002	2003	2004	2005	2006
Beginning Balance Contributions	\$2,314,893	\$2,804,274	\$3,301,016	\$3,835,485	\$4,220,502	\$4,787,646
Contract	329,448	333,308	346,330	335,340	347,808	425,777
Rural	44,066	53,121	62,334	67,709	64,725	82,115
Interest	127,292	160,258	150,883	188,652	198,149	202,716
Dividends	16,575	4,016	3,985	2,279	5,633	8,203
Fiduciary Fees	(9,552)	(12,177)	(14,190)	(15,845)	(17,417)	(19,135)
Disbursements	(18,448)	(41,784)	(14,874)	(193,119)	(31,754)	(149,084)
Ending Balance	\$2,804,274	\$ 3,301,016	\$ 3,835,485	\$4,220,502	\$4,787,646	\$5,338,238
		•••	•	•040		
	2007	2008	2009	2010	Total	
Beginning Balance	\$5,338,238	\$6,141,750	\$7,004,573	7,865,343		
Contributions	467.021	472.022	457.040	450 501	6.060.766	
Contract	467,831	472,933	457,040	478,501	6,060,766	
Rural	90,793	106,858	101,620	115,801	942,553	
Interest	258,201	295,859	329,085	333,304	2,627,157	
Dividends	8,335	12,461	1,943	12,413	119,201	
Fiduciary Fees	(21,648)	(25,288)	(28,918)	(32,218)	(225,628)	
Disbursements	0	0	0	0	(750,914)	
Ending Balance	\$6,141,750	\$7,004,573	\$7,865,343	\$8,773,144	\$8,773,144	

ELECTRIC POWER USAGE

Southwest Water Authority (SWA) purchases power from the federal government through the Department of Energy for the several main transmission pumping facilities throughout the system. These expenses are identified as Western Area Power Association (WAPA) costs. Local utility companies then supply or distribute the power to each location. These expenses are identified as wheeling costs. SWA pays the local utility companies to wheel the power provided by WAPA.

Below is a chart illustrating the history of power usage at these locations:

Location	1994	1995	1996	1997	1998	1999
Intake PS	1,645,820	1,855,579	2,192,366	2,129,824	2,302,460	2,334,674
Richardton PS	956,087	1,070,952	1,250,174	1,241,108	1,347,075	1,378,141
Dickinson PS	21,299	343,654	495,616	495,618	752,435	831,898
Dodge PS	47,820	238,364	386,470	385,973	405,366	384,563
Jung Lake PS	0	0	0	0	24,331	187,528
Bucyrus PS	0	0	0	0	223,039	128,217
Total	2,671,026	3,508,549	4,324,626	4,252,523	5,054,706	5,245,021
Location	2000	2001	2002	2003	2004	2005
Intake PS	2,573,895	2,661,280	2,771,644	2,930,468	2,909,556	3,033,794
Richardton PS	1,485,588	1,550,685	1,630,154	1,724,962	1,688,295	1,733,036
Dickinson PS	940,441	1,036,288	1,128,038	1,241,497	1,241,087	1,312,768
Dodge PS	429,567	454,764	548,086	612,649	566,817	538,056
Jung Lake PS	236,441	315,255	380,975	450,324	461,738	483,550
Bucyrus PS	127,212	139,462	136,942	136,226	139,823	161,163
WTP	223,935	312,018	324,991	322,634	323,419	342,292
Burt PS	23,803	87,630	93,624	97,740	97,593	102,398
Scranton PS	0	0	29,326	59,815	53,329	60,091
Fryburg PS	0	0	0	0	29,680	121,760
Beach PS	0	0	0	0	25,059	92,475
Total	6,040,882	6,557,382	7,043,780	7,576,315	7,536,396	7,948,383
Location	2006	2007	2008	2009	2010	
Intake PS	3,646,031	3,885,118	4,078,122	3,765,704	4,030,674	
Richardton PS	2,220,764	2,332,003	2,513,034	2,348,976	2,500,017	
RCPS	1,649,870	1,650,689	1,754,317	1,745,306	1,835,419	
Dodge PS	946,905	1,046,691	1,168,607	1,008,730	1,079,017	
Jung Lake PS	713,773	671,259	729,246	719,990	934,241	
Bucyrus PS	282,261	275,195	299,368	307,187	339,801	
WTP	397,147	390,070	412,482	414,057	418,775	
Burt PS	113,815	107,907	101,559	91,737	99,225	
Scranton PS	73,489	75,759	77,418	43,222	42,344	
Fryburg PS	167,147	186,280	201,960	202,750	221,720	
Beach PS	119,306	128,422	145,331	136,842	140,567	
Total	10,330,508	10,749,393	11,481,444	10,784,501	11,641,800	

Definitions: Pump Station (PS); Water Treatment Plant (WTP); Ray Christensen Pump Station (RCPS), formerly Dickinson PS



RATE HISTORY

Contract Water Rate (Rates shown are for constant flow service. Demand flow customers pay double the capital repayment portion of the water rate.)										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
O&M	\$0.80	\$0.50	\$0.60	\$0.67	\$0.81	\$0.85	\$0.83	\$0.88	\$0.91	\$1.05
Treatment	\$0.56	\$0.64	\$0.69	\$0.65	\$0.55	\$0.55	\$0.52	\$0.56	\$0.53	\$0.53
REM	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.35	\$0.35	\$0.35
Capital Repayment	\$0.62	\$0.68	\$0.70	\$0.72	\$0.74	\$0.76	\$0.78	\$0.79	\$0.80	\$0.83
Reserve Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.15	\$0.20
Total	\$2.28	\$2.12	\$2.29	\$2.34	\$2.40	\$2.46	\$2.43	\$2.63	\$2.74	\$2.96
	<u> </u>	,	,	,		·		,	,	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
O&M	\$1.05	\$1.05	\$1.05	\$1.05	\$1.05	\$1.05	\$1.05	\$1.05	\$1.06	\$1.06
Treatment	\$0.53	\$0.53	\$0.55	\$0.55	\$0.55	\$0.60	\$0.60	\$0.60	\$0.65	\$0.70
REM	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35	\$0.35
Capital Repayment	\$0.85	\$0.87	\$0.89	\$0.91	\$0.94	\$0.98	\$1.00	\$1.05	\$1.04	\$1.05
Reserve Fund	\$0.20	\$0.18	\$0.14	\$0.12	\$0.09	\$0.09	\$0.07	\$0.07	\$0.07	\$0.07
Total	\$2.98	\$2.98	\$2.98	\$2.98	\$2.98	\$3.07	\$3.07	\$3.12	\$3.17	\$3.23
<u> </u>										
1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
1992 \$25.00	1993 \$25.00	1994 \$25.00	1995 \$26.95	1996 \$28.00	1997 \$33.90	1998 \$33.90	1999 \$35.10	\$35.80	2001 \$37.55	
1992 \$25.00 2003	1993 \$25.00 2004	1994 \$25.00 2005	1995 \$26.95 2006	1996 \$28.00 2007	1997 \$33.90 2008	1998 \$33.90 2009	1999 \$35.10 2010	\$35.80 2011		
1992 \$25.00	1993 \$25.00	1994 \$25.00	1995 \$26.95	1996 \$28.00	1997 \$33.90	1998 \$33.90	1999 \$35.10	\$35.80		
1992 \$25.00 2003 \$38.25	1993 \$25.00 2004 \$38.25	1994 \$25.00 2005 \$38.25	1995 \$26.95 2006	1996 \$28.00 2007	1997 \$33.90 2008	1998 \$33.90 2009	1999 \$35.10 2010	\$35.80 2011		
1992 \$25.00 2003 \$38.25 Rural Water Ra	1993 \$25.00 2004 \$38.25 tes (Per 1,000	1994 \$25.00 2005 \$38.25	1995 \$26.95 2006 \$38.25	1996 \$28.00 2007 \$39.45	1997 \$33.90 2008 \$39.45	1998 \$33.90 2009 \$41.10	1999 \$35.10 2010 \$41.10	\$35.80 2011 \$42.10	\$37.55	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993	1994 \$25.00 2005 \$38.25 D gallons.)	1995 \$26.95 2006 \$38.25	1996 \$28.00 2007 \$39.45	1997 \$33.90 2008 \$39.45	1998 \$33.90 2009 \$41.10	1999 \$35.10 2010 \$41.10	\$35.80 2011 \$42.10	\$37.55 2001	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50	1994 \$25.00 2005 \$38.25 Digallons.) 1994 \$2.50	1995 \$26.95 2006 \$38.25 1995 \$2.50	1996 \$28.00 2007 \$39.45 1996 \$2.55	1997 \$33.90 2008 \$39.45 1997 \$2.55	1998 \$33.90 2009 \$41.10 1998 \$2.59	1999 \$35.10 2010 \$41.10 1999 \$3.05	\$35.80 2011 \$42.10 2000 \$3.15	\$37.55	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004	1994 \$25.00 2005 \$38.25 0 gallons.) 1994 \$2.50 2005	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009	1999 \$35.10 2010 \$41.10 1999 \$3.05 2010	\$35.80 2011 \$42.10 2000 \$3.15 2011	\$37.55 2001	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50	1994 \$25.00 2005 \$38.25 Digallons.) 1994 \$2.50	1995 \$26.95 2006 \$38.25 1995 \$2.50	1996 \$28.00 2007 \$39.45 1996 \$2.55	1997 \$33.90 2008 \$39.45 1997 \$2.55	1998 \$33.90 2009 \$41.10 1998 \$2.59	1999 \$35.10 2010 \$41.10 1999 \$3.05	\$35.80 2011 \$42.10 2000 \$3.15	\$37.55 2001	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003 \$3.60	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004 \$3.60	1994 \$25.00 2005 \$38.25 D gallons.) 1994 \$2.50 2005 \$3.60	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006 \$3.60	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007 \$3.65	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008 \$3.65	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009 \$3.65	1999 \$35.10 2010 \$41.10 1999 \$3.05 2010 \$3.70	\$35.80 2011 \$42.10 2000 \$3.15 2011 \$3.75	\$37.55 2001	\$38.25
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003 \$3.60 Potable Water (1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004 \$3.60	1994 \$25.00 2005 \$38.25 Digallons.) 1994 \$2.50 2005 \$3.60	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006 \$3.60	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007 \$3.65	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008 \$3.65	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009 \$3.65	1999 \$35.10 2010 \$41.10 1999 \$3.05 2010 \$3.70	\$35.80 2011 \$42.10 2000 \$3.15 2011 \$3.75	\$37.55 2001 \$3.60	\$38.25 2002 \$3.60
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003 \$3.60 Potable Water (*1992)	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004 \$3.60	1994 \$25.00 2005 \$38.25 D gallons.) 1994 \$2.50 2005 \$3.60	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006 \$3.60	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007 \$3.65 action water. 1996	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008 \$3.65 Amounts bel	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009 \$3.65	1999 \$35.10 2010 \$41.10 1999 \$3.05 2010 \$3.70 ed in 1,000 g	\$35.80 2011 \$42.10 2000 \$3.15 2011 \$3.75	2001 \$3.60	\$38.25 2002 \$3.60
1992 \$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003 \$3.60 Potable Water (*1992 655,640	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004 \$3.60 Γhese number 1993 523,308	1994 \$25.00 2005 \$38.25 D gallons.) 1994 \$2.50 2005 \$3.60 ers do not inc 1994 612,163	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006 \$3.60 Substitute construction of the c	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007 \$3.65 action water. 1996 806,175	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008 \$3.65 Amounts be 1997 826,590	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009 \$3.65 low are liste 1998 908,168	1999 \$35.10 2010 \$41.10 \$3.05 2010 \$3.70 ed in 1,000 g 1999 823,340	\$35.80 2011 \$42.10 2000 \$3.15 2011 \$3.75	\$37.55 2001 \$3.60	\$38.25 2002 \$3.60
\$25.00 2003 \$38.25 Rural Water Ra 1992 \$2.50 2003 \$3.60 Potable Water (*1992)	1993 \$25.00 2004 \$38.25 tes (Per 1,000 1993 \$2.50 2004 \$3.60	1994 \$25.00 2005 \$38.25 D gallons.) 1994 \$2.50 2005 \$3.60	1995 \$26.95 2006 \$38.25 1995 \$2.50 2006 \$3.60	1996 \$28.00 2007 \$39.45 1996 \$2.55 2007 \$3.65 action water. 1996	1997 \$33.90 2008 \$39.45 1997 \$2.55 2008 \$3.65 Amounts bel	1998 \$33.90 2009 \$41.10 1998 \$2.59 2009 \$3.65	1999 \$35.10 2010 \$41.10 1999 \$3.05 2010 \$3.70 ed in 1,000 g	\$35.80 2011 \$42.10 2000 \$3.15 2011 \$3.75	2001 \$3.60	2002 \$38.25 2002 \$3.60 2002 1,066,537

Rural Water Rates: From July 2002 to December 2006, rural usage greater than 10,000 gallons per month was billed at a rate of \$2.60 per 1,000 gallons. From January 2007 to December 2009, rural usage greater than 10,000 gallons per month was billed at a rate of \$2.65 per 1,000 gallons. From January 2010 to December 2010, rural usage greater than 10,000 gallons per month was billed at a rate of \$2.70 per 1,000 gallons. From January 2011 to December 2011, rural usage greater than 10,000 gallons per month will be billed at a rate of \$2.75 per 1,000 gallons.



RATES 2010

The water rate for rural customers in 2010 consisted of a minimum payment of \$41.10 per month and included 2,000 gallons of water. The rate for water use in excess of the 2,000 gallons was \$3.70 per 1,000 gallons. On July 1, 2002, Southwest Water Authority implemented a volume discount for rural customers, reducing water rates from \$3.70 to \$2.70 on usage over 10,000 gallons. Also, customers with pasture taps received a rate reduction from \$3.70 to \$2.70 on water usage in excess of 60,000 gallons, billed annually.

RURAL CUSTOMERS UNDER 10,000 GALLONS

Treatment	\$0.65
Transmission Operations and Maintenance	\$1.06
Transmission Replacement and Extraordinary Maintenance	\$0.35
Transmission Reserve	\$0.07
Distribution Operations and Maintenance	\$1.32
Distribution Replacement	\$0.10
Distribution Reserve	
Total	\$3.70
URAL CUSTOMERS OVER 10,000 GALLONS	
Treatment	\$0.65
Transmission Operations and Maintenance	\$0.72
Transmission Replacement and Extraordinary Maintenance	\$0.35
Transmission Reserve	\$0.00

Trust Fund. These bonds help fund construction. After two years, the meter fee is paid to the operations and maintenance fund, covering capital and routine operations and maintenance costs. The final portion of the monthly minimum (\$4.45)

Distribution Operations and Maintenance\$0.88

The 2010 rate for demand contract customers was \$4.20 per 1,000 gallons of potable water.

DEMAND CONTRACT CUSTOMERS

is for the operations and maintenance fund to cover fixed costs.

Treatment	\$0.65
Transmission Operations and Maintenance	\$1.07
Transmission Replacement and Extraordinary Maintenance	\$0.35
Capital Repayment	\$1.04
Demand Charge	
Transmission Reserve	
Total	

The 2010 rate for contract customers was \$3.17 per 1,000 gallons of potable water.

CONTRACT CUSTOMERS

RL

Treatment	\$0.65
Transmission Operations and Maintenance	\$1.06
Transmission Replacement and Extraordinary Maintenance	
Capital Repayment	
Transmission Reserve	
Total	

The raw water contract rate was \$2.55 per 1,000 gallons of water. Raw water customers do not pay for the cost of treatment.

RATES 2011

RURAL RATES

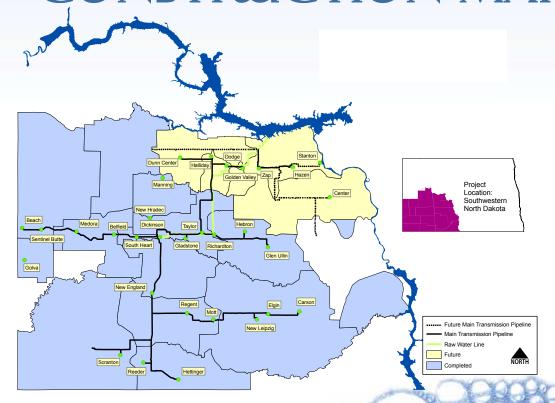
The rural monthly minimum will increase to \$42.10 which includes 2,000 gallons of water with a monthly meter reading. This also includes capital repayment (\$32.01), meter fee (\$5.00) and operations and maintenance (\$5.09). The capital repayment amount is tied to the Consumer Price Index and adjusted annually by the North Dakota State Water Commission. Capital repayment was increased by \$0.36 for 2011.

The rural customer rate per 1,000 gallons will increase to \$3.75 up to 10,000 gallons and over 10,000 gallons will increase to \$2.75. Country Club Estates, near Beulah, and several rural customers will not receive the volume discount of \$2.75 service is provided to the Oliver, Mercer, North Dunn Regional Service Area by the Southwest Pipeline Project.

CONTRACT CUSTOMERS

There will be a rate increase for demand, contract and raw customers. The demand rate will be \$4.28 per 1,000 gallons of potable water. The contract customer rate will be \$3.23 per 1,000 gallons of potable water. The raw water contract rate will be \$2.55 per 1,000 gallons of water. Capital repayment will increase \$0.01 for all, demand charge will also increase \$0.01, and treatment will increase \$0.05 for both demand and contract customers. Also, for demand customers, operations and maintenance will decrease \$0.01 and reserve will increase \$0.02.

SOUTHWEST PIPELINE PROJECT CONSTRUCTION MAP



SOUTHWEST PIPELINE PROJECT FUNDING SOURCES

STATE FUNDING (IN MILLIONS OF DOLLARS)

Resources Trust Fund	\$ 57.17
Water Development Trust Fund	
Subtotal	

GRANTS

Garrison Diversion Conservancy District	
Municipal Rural & Industrial Fund	\$ 78.40
USDA-Rural Development	\$ 15.09
Natural Resources Conservation Service PL566	\$ 0.93
Subtotal	\$ 94.42

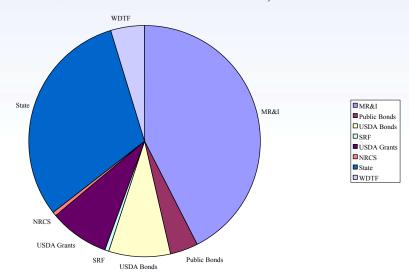
STATE BONDS REPAID BY USERS

Public Revenue Bonds		7.04
USDA-Rural Development\$	1	5.70
ND Drinking Water Revolving Loan Fund		
Subtotal	2	4.24

Total Funding......<u>\$184.30</u>

FUNDING SOURCES

\$184.30 Million as of December 31, 2010



PHASED DEVELOPMENT PLAN

Final Development Phase......Oliver, Mercer, North Dunn Phase



SOUTHWEST PIPELINE PROJECT TIMELINE

SWPP Final Construction Authorized

78.40 0.93 0.93 7.04 15.09 1.50 8.47 Total 1991 1992 1993 1994 1995 1996 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 1.27 5.91 Stimulus Funding for OMND WTP 2.65 1971| 1972| 1973| 1974| 1975| 1976| 1977| 1978| 1979| 1980| 1981| 1982| 1983| 1984| 1985| 1986| 1987 | 1988 | 1989 | 1990 7.38 8.33 6.67 2.65
 5.36
 6.93
 5.98
 11.00
 9.64
 7.57
 5.32
 10.79
 4.14
 8.18
 5.76
 6.65
 5.99
 4.93
 4.35
 6.11
 3.69
 10.71
 6.66
 2.70 5.43 2.94 1.13 Received MR&I Funding; First Time Since 1999 SB 2193 Passed 8.33 6.67 3.00 Garrison MR&I Funding Funding Medora-Beach Phase III State & USDA 7.38 1.43 <u>69</u> 1.30 1.93 1.62 State & USDA Funding Medora-Beach Phase II 4.21 0.83 0.33 3.06 2.38 3.05
 1.38
 0.50
 0.23
 1.63
 1.54

 1.59
 2.48
 0.92
 1.04
 0.56

 1.00
 0.50
 SWPP Final Design Authorized State Funding Medora-Beach Phase 23.60 23.60 Bowman-Scranton Phase 3.96 3.08 3.50 0.02 1.04 1.54
 0.04
 0.06
 0.68
 0.77
 1.46
 1.77
 1.18
 0.70
 1.34

 5.32
 6.87
 5.30
 10.10
 7.77
 5.41
 0.18
 2.47
 1.24

 0.13
 0.41
 0.39
 Garrison MR&I Funding USDA-Rural Dev. Funds and Rev. Transfer of Operations to SWA Full Scale Rural Service Service Beyond Dickinson First Rural Water Service (Roshau) Location of Water Treatment Plant Service to Dickinson Rural Water Integration ORGANIZATIONS
West River Water Supply District
West River Joint Board
Southwest Water Authority (Nonprofit)
Southwest Water Authority (Political Subdivision) West River Water Supply District West River Joint Board Southwest Water Authority (Nonprofit) Southwest Water Authority (Political Subdivision) Revenue Bonds USDA - Rural Development (Loans) USDA - Rural Development (Grants) Drinking Water State Revolving Loan Fund Water Development Trust Fund Revenue Bonds
USDA - Rural Development (Loans)
USDA - Rural Development (Grants)
Diniknig Water State Revolving Loan Fund
Water Development Trust Fund FUNDING (In Millions)
State Resources Trust Fund
Garrison Diversion MR&I
Natural Resources Conservation Service FUNDING (In Millions)
State Resources Trust Fund
Garrison Diversion MR&I
Natural Resources Conservation Service West River Diversion SW Area Water Supply Southwest Pipeline Project West River Diversion SW Area Water Supply Southwest Pipeline Project **ORGANIZATIONS PROJECTS** TOTAL TOTAL

Southwest Water Authority

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E-Mail: swa@swwater.com

