



SOUTHWEST WATER  
AUTHORITY



**2014 ANNUAL  
OPERATING REPORT**

A graphic of water splashing across the middle of the page, with a single droplet falling from the center.

**OUR VISION**  
**PEOPLE AND BUSINESS SUCCEEDING**  
**WITH QUALITY WATER**

**OUR MISSION**  
**QUALITY WATER FOR**  
**SOUTHWEST NORTH DAKOTA**

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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.

# Organizational Chart

## North Dakota Legislature

### Management, Operations & Maintenance

Southwest Water Authority 15 Elected Directors NDCC 61-24.5

Southwest Water Authority Executive Committee Elected Officers

Southwest Water Authority  
Mary Massad, Manager/CEO

#### Administration

- Sandra Burwick, CFO/Office Administrator
- Misti Conzemius, Marketing Manager
- Kim Turner, Accountant/Assistant Office Administrator
- Leann Beaudoin, Accounting Support
- Cindy Fetch, Accounting Support
- Jen Murray, Executive Assistant
- Ginny Alexander, Signup and Easement Assistant
- Kristine Steele, Signup and Easement Assistant
- Christopher Price, HR/Risk Management Coordinator
- Wendy Serhienko, Customer Service Representative
- Bill Palanuk, Public Relations Specialist

#### Water Distribution Operators (WDO)

- Lee Messer, Water Distribution Manager
- Andy Erickson, Assistant Water Distribution Manager
- Toby Turner, Chief Water Distribution Operator
- Allen Hecker, Assistant Chief Water Distribution Operator
- Jim Murphy, Assistant Chief Water Distribution Operator
- Terry Buechler, Assistant Operations Specialist
- Justin Kohanes, Water Distribution Operator, Sentinel Butte
- Bruce Mutchelknaus, Water Distribution Operator, Elgin
- Leo Miller, Water Distribution Operator, Reeder
- Chuck Magnuson, Maintenance Electrician
- Gary Nordstrom, Water Distribution Operator, OMND
- Jerry Whittington, Water Distribution Operator
- Gerald Mostad, Water Distribution Operator, Elgin
- Brad Kilde, Water Distribution Operator, OMND
- Mike Fried, Water Distribution Maintenance Worker, Reeder
- Brandon Blum, Water Distribution Maintenance Worker
- David Hottman, Water Distribution Maintenance Worker, OMND

### Construction & Project Owner

North Dakota State Water Commission  
Governor/Chairman  
Agriculture Commissioner  
7 Appointed Members

Chief Engineer and Secretary to the  
Water Commission  
Todd Sando, State Engineer

Water Development  
Bruce Engelhardt, Director

Southwest Pipeline Project  
Tim Freije, NAWS & SWPP Section Head  
Sindhuja S. Pillai-Grinolds, SWPP Manager  
Dale Binstock, Water Resources Senior Manager  
Roger Kolling, Realty Officer

#### Water Treatment Plant (WTP)

- Grace Rixen-Handford, Water Treatment Manager
- Guy Mischel, Water Treatment Plant Operator
- Steve Ries, Water Treatment Plant Operator
- Dave Lupo, Water Treatment Plant Operator
- Ken Knight, Water Treatment Plant Operator
- AJ Sokolofsky, Water Treatment Plant Operator
- Jeffrey Altringer, Water Treatment Plant Operator, OMND
- Harlon Weidner, Water Treatment Plant Operator, OMND
- Lacey Rixen, Water Treatment Plant Operator
- Joe Froelich, Water Treatment Plant Operator
- John Nadvornick, WTP/Distribution Maintenance Worker
- Gladys Rahme Farhat, WTP/Distribution Maintenance Worker

#### Outside Consultants

- Bartlett & West Inc., Engineer
- Brady, Martz & Associates, P.C., Auditor
- Dwyer Law Office PLLC, Legal Counsel
- Professional Computer Services LLP, Information Technology
- Hughes & Stuart, Public Education

# SWA Board of Directors



Chairman  
Larry Bares  
City of Dickinson



Vice Chairman  
James Odermann  
Billings County



Secretary  
Steve Schneider  
Stark County



Ray Bieber  
Hettinger County



Duane Bueligen  
Oliver County



Jonathon Eaton  
Adams County



Glenn Eckelberg  
Dunn County



Marie Johnson  
Mercer County



Dave Juntunen  
Slope County



Bob Leingang  
City of Mandan



Gene Allen  
Golden Valley County



Brian Roth  
Grant County



George Saxowsky  
Morton County



Rick Seifert  
Bowman County



Larry Stang  
City of Dickinson

## NORTH DAKOTA STATE WATER COMMISSION

Governor Jack Dalrymple, Chairman - Bismarck, ND

Arne Berg - Devils Lake, ND

Larry L. Hanson - Williston, ND

Harley Swenson - Bismarck, ND

Douglas Vosper - Neche, ND

Doug Goehring, Ag Commissioner - Bismarck, ND

Maurice V. Foley - Minot, ND

George Nodland - Dickinson, ND

Robert Thompson - Page, ND

# Southwest Water Authority Administration



Mary Massad  
Manager/CEO



Sandra Burwick  
CFO/Office  
Administrator



Misti Conzemius  
Marketing Manager



Kim Turner  
Accountant /  
Assistant Office  
Administrator



Leann Beaudoin  
Accounting  
Support



Cindy Fetch  
Accounting  
Support



Jen Murray  
Executive Assistant



Ginny Alexander  
Assistant Signup  
and Easement



Kristine Steele  
Assistant Signup  
and Easement



Christopher Price  
HR/Risk  
Management



Wendy Serhienko  
Customer Service  
Representative



Bill Palanuk  
Public Relations  
Specialist

# Southwest Water Authority Treatment



Grace Rixen-Handford  
Water Treatment  
Manager



Guy Michel  
Water Treatment  
Plant Operator



Steve Ries  
Water Treatment  
Plant Operator



Dave Lupo  
Water Treatment  
Plant Operator



Ken Knight  
Water Treatment  
Plant Operator



AJ Sokolofsky  
Water Treatment  
Plant Operator



Jeffrey Altringer  
Water Treatment  
Plant Operator, OMND



Harlon Weidner  
Water Treatment  
Plant Operator, OMND



Lacey Rixen  
Water Treatment  
Plant Operator



Joe Froelich  
Water Treatment  
Plant Operator



John Nadvornik  
WTP & Distribution  
Maintenance Worker



Gladys Rahme Farhat  
WTP & Distribution  
Maintenance Worker

# Southwest Water Authority Distribution



Lee Messer  
Water Distribution  
Manager



Andrew Erickson, Jr.  
Assistant Water  
Distribution Manager



Toby Turner  
Chief Water  
Distribution Operator



Allen Hecker  
Assistant Chief Water  
Distribution Operator



James Murphy  
Assistant Chief Water  
Distribution Operator



Terry Beuchler  
Assistant Operations  
Specialist



Justin Kohanes  
Water Distribution  
Operator, Sentinel  
Butte



Bruce Mutschelknaus  
Water Distribution  
Operator, Elgin



Leo Miller  
Water Distribution  
Operator, Reeder



Chuck Magnuson  
Maintenance  
Electrician



Gary Nordstrom  
Water Distribution  
Operator, OMND



Jerry Whittington  
Water Distribution  
Operator



Gerald Mostad  
Water Distribution  
Operator, Elgin



Brad Kilde  
Water Distribution  
Operator, OMND



Mike Fried  
Water Distribution  
Maintenance Worker,  
Reeder



Brandon Blum  
Water Distribution  
Maintenance Worker



David Hottman  
Water Distribution  
Maintenance Worker,  
OMND



# A Successful Project



Todd Sando  
North Dakota  
State Engineer

The Southwest Pipeline Project (SWPP) made tremendous progress in 2014. More than 30 million dollars was spent in 2014 on SWPP construction to meet the water needs of farms and rural households waiting for quality water and to meet the expanding water needs of the growing population in Southwest North Dakota.

The SWPP accomplished a major milestone in 2014. The construction of the final Main Transmission Line (MTL), which will deliver water to the northwestern area of the Project, including the City of Killdeer, commenced in 2014. The northern Dunn county residents who have been patiently waiting for quality water are able to finally see their patience rewarded. To meet the increased population in Southwest North Dakota, including the City of Dickinson, the SWPP is working on expanding the treatment capacity in Dickinson from 12 Million Gallons per Day (MGD) to 18 MGD.

The SWPP is an epitome of success for water development in North Dakota. In the early 1980's, the North Dakota legislature understood the need for a regional water supply project in Southwest North Dakota and took the necessary action to bring the Project to reality. With close to thirty years of construction, the SWPP currently serves more than 58,000 people in North Dakota and is expected to serve over 85,000 people. Quality water is necessary for economic prosperity and quality of life and it is hard to imagine southwest North Dakota being what it is today without the SWPP.



# Chairman's Annual Address

Water is essential to the well-being of the residents we serve and to our economy. They are the reasons the Southwest Pipeline Project (SWPP) exists and indeed the reason for Southwest Water Authority's (SWA) very existence.

Managing, operating and maintaining the massive SWPP requires us to faithfully implement the stringent drinking water standards of the North Dakota Department of Health and the EPA. We must focus appropriate attention on connecting those who are still patiently waiting to receive high-quality water. We must also share the understanding that this task extends beyond facilitating the economic development of southwest North Dakota. It's also a matter of extending a helping hand to families and businesses across our region.

All of this would not have been possible without the cooperation of each elected member of the Southwest Water Authority Board of Directors. Collectively, the Board of Directors continues to show the strength, knowledge and foresight to meet the challenges that came before us in 2014. It also wouldn't be possible without the continued professionalism and unwavering dedication displayed by SWA's Manager/CEO Mary Massad, and all of SWA's staff. Certainly there is much work and many difficult decisions that lie before us in the years ahead. But the current Board of Directors, Management and Staff, are the right team for SWA, which is why they all have my sincere respect and gratitude.

Funding is also critical for the continued progress of the SWPP. We have been very fortunate to have extremely supportive agencies and leaders on the State and Federal levels. That's why, I remain grateful to the State Water Commission and its Chairman, North Dakota Governor Jack Dalrymple, for the continued support and guidance in our efforts.

Yes, we've come a long way since 1996, when SWA was specifically authorized, as an agent for the State Water Commission, to operate, manage and maintain the SWPP. Guided by the vision of the Project's forefathers, SWA is helping to create a flourishing local environment — empowering the kind of economy and quality of life that can only be sustained by the ready availability of quality drinking water.

So as we enter into 2015, we take heed of the reality that the valuable water resources provided by the SWPP are essential to the well-being of our citizens, our economy and our environment. Our region should continue to thrive for many years to come. We are optimistic the up-and-coming generations will want to make southwest North Dakota their permanent home, their future.

I am thankful, every day, for the vision our forefathers summoned up in the early 1990s. And I strongly believe SWA's quality water will support the health and welfare of the residents and economy of the southwest of North Dakota for many generations to come.



**Larry Bares**  
Chairman  
Board of Directors

# 2014 Construction Summary



Sindhuja S.  
Pillai-Grinolds  
SWPP Manager

The Southwest Pipeline Project (SWPP) experienced an extremely busy year in 2014. The State Water Commission (SWC) awarded a total of six construction contracts while investing nearly 30 million dollars of the state's Resources Trust Fund toward the Project.

Construction contracts awarded in 2014 were: Phase II main transmission line contract in Dunn County, which extends from north of Halliday to west of Killdeer; a rural distribution system contract in Western Oliver County; equipment procurement contracts for a supplemental 6 Million Gallons per day (MGD) Water Treatment Plant (WTP) in Dickinson; and a joint finished water pump station (FWPS) for the SWPP and the City of Dickinson.

The construction of the Phase I main transmission line in Dunn County from the Oliver Mercer North Dunn (OMND) WTP to Halliday and the 1.67 million gallon ground reservoir at the OMND WTP were completed this past year. Construction on the one million gallon Dunn Center elevated tank as well as the 250,000-gallon Killdeer mountain elevated tank are nearly complete. The expansion of the OMND WTP from 3.5 MGD to 5.25 MGD is also near completion.

The construction of the rural distribution system in eastern Oliver County and the construction of the supplemental intake were ongoing throughout the year. Construction of the 151.5' vertical caisson is now mostly complete. Crews are assembling the equipment to drill horizontally with microtunneling of the intake pipe expected to commence soon. The construction of the FWPS continued through the year with the underground reservoir construction now mostly complete.

The preliminary design of the raw water transmission line upgrades to meet the increased demands at the WTP in Dickinson is currently in progress. Once completed, this will greatly enhance meeting the quality water needs of this rapidly growing region.



# Manager's Message

At Southwest Water Authority (SWA), the Southwest Pipeline Project (SWPP) truly is quality water for southwest North Dakota. Providing great-tasting, high-quality water to our customers is not only our mission — it's our business. Thus we are constantly working to ensure our award-winning water is backed up with top-notch customer service and a dedicated staff of water professionals.

We made notable progress in 2014 — connecting new customers, completing infrastructure projects, upping our customer service, meeting and surpassing water quality standards and securing easements. This was clearly one of the most successful years in the history of SWA.

SWA paid back more than \$5 million to the State of North Dakota in the form of capital repayment bringing the total to \$42.6 million by the end of 2014. Water sales topped 2.2 billion gallons with service being extended to Rhame and 131 additional rural customers in Mercer and Oliver Counties. The Project installed 126 miles of new pipeline, constructed four new potable water reservoirs and construction began on a supplemental intake at Renner Bay and a finished water pump station located in Dickinson. By the end of the year, the SWPP had 19 contracts under construction, which was a notable high-water mark for the Project.

After many years of service and dedication to the SWPP, Director Darrel Oech, representing Golden Valley County, retired in 2014 from the Board of Directors. Gene Allen, of Beach, was elected as his replacement coming to the Board with extensive knowledge and credentials to fill the position.

To all of the Board members, gratitude must be given for their commitment to the mission and vision of the SWPP. For with their leadership and commitment, the levels of success and financial stability of SWA have been realized as shown in this Annual Report.

Recognition should also go to the solid team of SWA's employees who continue to accept and solve the daily challenges of the Project with positive attitudes.

Moving forward into 2015, southwest North Dakota's population is again expected to grow, and we intend to grow right along with the region. The current demand for quality water in our service area has never been greater. And while SWA's Board of Directors, Managers, Operators, Staff, and our stakeholders remain dedicated to the ongoing mission, we also remain respectful of the challenge ahead.

As the Manager/CEO of SWA, I strongly believe our entire team is up to that challenge.



Mary Massad  
Manager/CEO

# Distribution Operations & Maintenance Report



**Lee Messer**

Water Distribution Manager

Cold temperatures and little or no snow cover in early 2014 created many freeze issues for water utilities across North Dakota and the upper Midwest. Southwest Water Authority (SWA) was not exempt. The water distribution staff encountered an assortment of freeze problems, primarily associated with services to individual customers.

Although most of the Southwest Pipeline Project (SWPP) service area experienced significantly higher precipitation than normal in 2014, gallons pumped from the Intake were at the highest level in the Project's history at 2.493 billion gallons. Rising populations, increased industrial usage, and expansion of the distribution system are obvious factors for the increased water consumption.

These same factors are having a dramatic effect on the landscape in the SWPP service area. New residential, commercial, and industrial developments, road construction and improvement projects, pipeline installations for petroleum products, and new utility installations are examples. Frequently, conflicts with existing SWA facilities occur, and relocating pipelines and related appurtenances has become all too commonplace. The result is customer service interruptions and temporary reduced water quality due to air in the lines. SWA appreciates our customer's patience and tolerance as we make these adjustments.

Installation of automatic meter reading equipment at rural customer hookups has proven to be effective and reliable. Daily meter readings provide trending data, initiating an alarm when usage exceeds normal daily parameters. Several leaks have been detected in this manner, saving the customer from large water bills and/or water damage to personal property. SWA is committed to installing this equipment at all customer locations in the near future.



# Water Treatment Report

The Water Treatment Plant (WTP) in Dickinson treated 1,923,454,700 gallons of raw water, and pumped a total of 1,919,196,700 gallons of treated water to the Southwest Pipeline Project and the City of Dickinson during 2014.

With the amount of precipitation received in 2014, the WTP in Dickinson did not break the existing water production record, but had a slight increase over the previous year. Water production was steady throughout the year which gave operators the opportunity to drain, clean, and conduct yearly preventive maintenance on both treatment basins.

The OMND WTP had another successful year of operation. The OMND WTP treated 203,455,000 gallons of raw water, and pumped a total of 193,909,000 gallons of treated water to the distribution system during 2014.

Water production continues to increase at the OMND plant due to new services added throughout the year. Phase II is near completion increasing the total treatment capacity to 5.25 million gallons per day. The operating staff for the OMND WTP continues to do an outstanding job handling the learning curve to produce top quality water for our customers.

SWA presented its 16th annual Drinking Water Quality (Consumer Confidence Report) report to our customers served by the WTP in Dickinson, its second annual report to our customers served by the OMND WTP and its eighth annual report to our customers in the three Morton County Service Areas. These reports contain important information about our drinking water and are available on SWA's website at [www.swwater.com](http://www.swwater.com). All five water systems were in compliance with EPA's regulations and the Safe Drinking Water Act.

Each treatment chemical, its main purpose and amount used is listed below:

## **Richardton Pumping Station**

- Sodium Permanganate ( $\text{NaMnO}_4$ ): Taste and odor reduction (1,568.6 lbs.)

## **Dodge Pumping Station**

- Ammonium Sulfate ( $\text{NH}_4)_2\text{SO}_4$ ) Disinfection (5,184.0 lbs.)
- Chlorine ( $\text{Cl}_2$ ) Disinfection (23,895 lbs.)

## **Dickinson Water Treatment Plant (DWTP)**

- Lime ( $\text{CaO}$ ): Softening (2,601,934. lbs.)
- Aluminum Sulfate ( $\text{Al}_2(\text{SO}_4)_3$ ): Cationic coagulant added for clarification (69,170.4 lbs.)
- Flocculants: Anionic emulsion added as a clarification aid (2,119.3 lbs.)
- Carbon Dioxide ( $\text{CO}_2$ ): pH adjustment (616,730. lbs.)
- Phosphate ( $\text{K}_2\text{O}_7\text{P}_2$ ): Corrosion inhibitor (31,761.3 lbs.)
- Ammonium Sulfate ( $\text{NH}_4)_2\text{SO}_4$ ): Disinfection (11,231.5 lbs.)
- Fluoride ( $\text{H}_2\text{SiF}_6$ ): Promotes dental health (11,058.5 lbs.)
- Chlorine ( $\text{Cl}_2$ ): Disinfection (51.083 lbs.)

## **Oliver, Mercer, North Dunn Water Treatment Plant (OMNDWTP)**

- Ammonium Sulfate ( $\text{NH}_4)_2\text{SO}_4$ ): Disinfection (12,656 lbs.)
- Chlorine ( $\text{Cl}_2$ ): Disinfection (8,494 lbs.)
- Fluoride ( $\text{H}_2\text{SiF}_6$ ): Promotes dental health (4,050.7 lbs.)
- Vitec 3000 RO Anti-Scalant (3,294.6 lbs.)
- Caustic Soda 50% ( $\text{NaOH}$ ): pH adjustment (3,502 lbs.)
- Sodium Bisulfite ( $\text{NaHSO}_3$ ): Dechlorination (9,921.3 lbs.)
- Sodium Hypochlorite ( $\text{NaClO}$ ): UF membrane backwash water (4,200 lbs.)
- Hydrochloric Acid ( $\text{HCl}$ ): RO membrane cleaning (1,620 lbs.)



Grace  
Rixen-Handford  
Water Treatment Manager

# Background

Southwest Water Authority (SWA), a political subdivision, was established in 1991 by the North Dakota Legislature to supply and distribute quality water to the residents of southwest North Dakota. This was to be accomplished through a pipeline transmission and delivery system for purposes including domestic, rural water, municipal, livestock, light industrial, mining, and other uses. Primary emphasis on delivery and use of the water is on domestic, rural water and municipal uses. SWA also provides for the future economic welfare and prosperity for the areas served.

The state-owned Southwest Pipeline Project (SWPP) is administered by the North Dakota State Water Commission and managed, operated and maintained by SWA. The SWPP transports raw water from Lake Sakakawea to the OMND (Oliver, Mercer, North Dunn) Water Treatment Plant (WTP) as well as the WTP in Dickinson and then treats and delivers to Project customers.

An adequate supply of quality water accessible to the residents of southwest North Dakota is made possible through a highly efficient network of pipelines, pump stations, reservoirs and water treatment plants. To date, 32 communities, more than 5,575 rural service locations, 28 contract customers, 23 raw water customers, three crew camps and two raw water depots are served by the Project. Raw water customers include RTE, the Dodge Water Depot and SWA's water depot located east of Dickinson. Two rural water systems, MWWS and PCRWS, in South Dakota, are also served by the Project.

In 2014, SWA installed over 126 miles of pipeline while a total of 265 new customers were added. In October, Rhame, ND became the 32nd community served by SWPP. Four new potable water tanks were constructed located by New Hradec, Dunn Center, the Killdeer Mountains and at the OMND WTP where work on upgrades also continued. Construction began on the MTL in the North Dunn Service Area as well as a second supplemental water intake at Renner Bay. Preliminary work continued at the WTP in Dickinson and in early July, work began on the finished water pump station.

The project pumped a total of 2,493,019,000 gallons of water from Lake Sakakawea in 2014. This is an increase of 7,009,000 gallons from 2013. Potable water delivered in 2014 to contract customers was 1,726,994,100 gallons, rural customers used 302,293,200 gallons and construction used 9,375,540 gallons for a total of 2,038,662,840 gallons. Total raw water delivered in 2014 was 327,865,730 gallons. The water delivered to the end user was 94.55% of the total water pumped from Lake Sakakawea by the Southwest Pipeline Project.

Southwest Water Authority 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 2014 was 13,041,200 gallons.

Total water delivered to customers by Southwest Water Authority was 2,380,427,270 gallons.

# Mill Levy Report

2014 Mill Levy Income

\$ 484,219.47

	Board of Directors	Administration	Easement	Sign-Up	Total
Per Diem/Salaries	\$ 49,248.00	\$ 148,531.68	\$ 61,627.87	\$ 61,115.53	\$ 320,523.08
Benefits/Payroll Taxes	\$ 4,764.80	\$ 63,394.55	\$ 26,386.59	\$ 26,385.69	\$ 120,931.63
Professional Fees	\$ 48,418.98	\$ 43,307.82	\$ 52,692.13	\$ 23,920.46	\$ 168,339.39
Supplies	\$ 746.89	\$ 6,550.73	\$ 4,049.58	\$ 1,668.85	\$ 13,016.05
Repairs	-	\$ 534.23	\$ 745.09	\$ 745.08	\$ 2,024.40
Travel	\$ 36,101.81	\$ 5,250.73	\$ 1,932.33	\$ 1,874.85	\$ 45,159.72
Telephone/Internet	\$ 6,417.71	\$ 1,936.43	\$ 989.51	\$ 1,202.84	\$ 10,546.49
Insurance	\$ 8,565.75	\$ 2,246.60	-	-	\$ 10,812.35
Printing & Promotion	\$ 7,572.92	\$ 23,962.24	\$ 971.27	\$ 201.37	\$ 32,707.80
Postage	\$ 188.11	\$ 2,741.75	\$ 1,810.80	\$ 1,249.62	\$ 5,990.28
Dues & Subscriptions	\$ 15,430.00	\$ 18,280.15	490.00	-	\$ 34,200.15
Development/Education	\$ 6,027.00	\$ 789.81	\$ 168.70	\$ 168.70	\$ 7,154.21
Depreciation	\$ 3,182.79	\$ 537.18	\$ 3,073.02	\$ 3,072.93	\$ 9,865.92
Miscellaneous	\$ 3,493.62	\$ 622.05	-	-	\$ 4,115.67
<b>Total</b>	<b>\$ 190,158.38</b>	<b>\$ 318,685.95</b>	<b>\$ 154,936.89</b>	<b>\$ 121,605.92</b>	<b>\$ 785,387.14</b>

Revenue necessary from other sources

\$ 301,167.67



# Independent Auditor's Report



## INDEPENDENT AUDITOR'S REPORT

### Report on the Financial Statements

We have audited the accompanying financial statements of Southwest Water Authority, as of and for the years ended December 31, 2014 and 2013, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

Our responsibility is to express opinions 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 the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of Significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

### Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of Southwest Water Authority, as of December 31, 2014 and 2013, and the respective changes in financial position and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

## Other Matters

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### *Other Information*

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Authority's basic financial statements. The accompanying supplementary information is presented for purposes of additional analysis and is not a required part of the basic financial statements.

The Schedules of Expenses and the Schedule of Percentage Change are the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, them supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

### **Other Reporting Required by Government Auditing Standards**

In accordance with Government Auditing Standards, we have also issued our report dated March 12, 2015 on our consideration of the Authority's internal control over financial reporting and on 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 internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering the Authority's internal control over financial reporting and compliance.



BRADY, MARTZ & ASSOCIATES, P.C.  
Bismarck, North Dakota  
March 12, 2015

# Independent Auditor's Report cont'd

## SOUTHWEST WATER AUTHORITY MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2014 AND 2013

As management of the Southwest Water Authority, we offer readers of Southwest Water Authority's financial statements this narrative overview and analysis of the financial activities of Southwest Water Authority for the fiscal years ended December 2014, 2013 and 2012. 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 \$24,754,790 as of the end of the year 2014 compared with \$21,086,399 as of the end of the year 2013 and \$18,537,864 as of the end of the year 2012. This is an increase in total assets of \$3,668,391 between 2014 and 2013, and an increase in total assets of \$2,548,535 between 2013 and 2012. The liabilities totaled \$1,575,744 for 2014 compared with \$1,783,708 for 2013 and \$1,772,529 for 2012. The assets exceeded its liabilities at the end of the year 2014 by \$23,179,046 compared with \$19,302,691 at the end of the year 2013 and \$16,765,335 at the end of the year 2012. This is an increase in net position of \$3,876,355 between 2014 and 2013, and an increase in net position of \$2,537,356 between 2013 and 2012.

Assets held at the American Trust Center total \$13,506,919 at year-end 2014 compared with \$11,478,279 at year-end 2013 and \$10,699,655 at year-end of 2012. The amount that is the Replacement and Extraordinary Maintenance Fund is \$11,573,551 year-end 2014 compared with \$10,188,603 at year-end 2013 and \$9,367,622 at year-end 2012. This is an increase of \$1,384,948 between 2014 and 2013, and an increase of \$820,981 between 2013 and 2012. 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 \$.50 per 1,000 gallons sold to all customers. In addition, \$.10 per 1,000 gallons sold to rural customers for the rural distribution system is also collected. The rate is \$6.67 per 1,000 gallons sold to oil industry customers, and \$4.67 per 1,000 gallons sold to oil industry customers at the SWA Water Depot. The fees are deposited on a monthly basis into this fund.

The amount in the Escrow Fund is \$508,197 year-end 2014 compared with \$515,879 at year-end 2013 and \$507,734 at year-end 2012. This is a decrease of \$7,682 between 2014 and 2013, and an increase of \$8,145 between 2013 and 2012. Of this amount, \$284,970 is restricted in 2014. This compares with \$276,657 as of year-end 2013 and \$329,882 as of year-end 2012. This is an increase of \$8,312 between 2014 and 2013, and a decrease of \$53,225 between 2013 and 2012. 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 2014 is \$6,371,541 compared with \$3,369,357 at the end of 2013 and \$3,146,564 at the end of 2012. This is an increase of \$3,002,184 between 2014 and 2013 and an increase of \$222,793 between 2013 and 2012. This is made up of checking and money market accounts.

The liabilities total \$1,575,744 for year-end 2014 compared with \$1,783,708 for year-end 2013 and \$1,772,529 at year-end 2012. This is a decrease in liabilities of \$207,964 between 2014 and 2013, and an increase in liabilities of \$11,179 between 2013 and 2012. Of this amount, \$1,140,419 is current liabilities mostly in the form of accounts payable. This compares with 2013 year-ending balance of \$1,363,737 in current liabilities, and year-ending balance of \$1,316,143 in current liabilities for 2012. This is a decrease in current liabilities of \$223,318 between 2014 and 2013, and an increase in current liabilities of \$47,594 between 2013 and 2012. The longterm liabilities total \$435,325 at year-end 2014 compared with \$419,971 at year-end 2013, and \$456,386 at year-end 2012. Of this amount, \$284,970 are unearned hookup fees for year-end 2014, compared with \$276,657 year-end 2013, and \$329,882 year-end 2012. Unearned 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 individual. Also included in long-term liabilities for year-end 2014 are rental deposits from tenants/customers of \$54,375, compared with \$53,125 for year-end 2013, and \$51,400 for year-end 2012.

Effective July 1, 2014, all water service contracts were amended to follow the SWC's policy of domestic water supply having priority over industrial water supply. The amendments state any community selling water to the oil and gas industry be sold at Southwest Water Authority oil industry rates. Therefore income increased during 2014.

### **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. Southwest Water Authority's basic financial statements comprise four components: 1) Statement of Net Position 2) Statement of Revenues, Expenses and Changes in Net Position, 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 Statement of Net Position presents information on all of Southwest Water Authority's assets and liabilities, with the difference between the two reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Southwest Water Authority is improving or deteriorating.

### **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. 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 Southwest Water Authority in the amount of one mill in each of the twelve counties that are a part of Southwest Water Authority.

The revenues from the sale of water for 2014 totaled \$15,114,385 compared with \$13,493,646 for 2013, and \$12,262,456 for 2012. This is an increase in revenues of \$1,620,739 between 2014 and 2013, and an increase of \$1,231,190 between 2013 and 2012. The net income/net loss by department for 2014 are transmission net income of \$652,209, distribution net income of \$328,075 and treatment a net loss of \$25,370. This compares with net income/net loss by department for 2013 of transmission net income of \$1,348,853, distribution net income of \$358,153 and treatment net income of \$123,318, and net income/net loss by department for 2012 of transmission net income of \$1,613,861, distribution net income of \$135,048 and treatment net income of \$206,423.

The mill levy generated income of \$484,219 for 2014 compared with \$394,703 for 2013 and \$341,631 for the year 2012. This is an increase of \$89,516 between 2014 and 2013, and an increase of \$53,072 between 2013 and 2012. The administration activities had a net loss of \$51,965 compared with a net income of \$126,395 for 2013, and a net income of \$138,290 for 2012. Administration includes activities for the board of directors, administration, sign up and easements.

The actual revenues and expenses were under budget. The revenues were under budget by 3% of projections and the expenses were under budget by 9%. The Southwest Water Authority sold a total of 2,380,316,170 gallons of water in 2014 compared with 2,335,642,390 gallons of water in 2013 and 2,373,063,380 gallons of water in 2012. This is an increase of 44,673,780 gallons between 2014 and 2013, and a decrease of 37,420,990 gallons between 2013 and 2012. This is 8.31 % under the projection for the year of 2,595,950,000 gallons for 2014.

### **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](mailto:swa@swwater.com) or visit on the web at [www.swwater.com](http://www.swwater.com).

# Independent Auditor's Report cont'd

## SOUTHWEST WATER AUTHORITY STATEMENTS OF NET POSITION DECEMBER 31, 2014 AND 2013

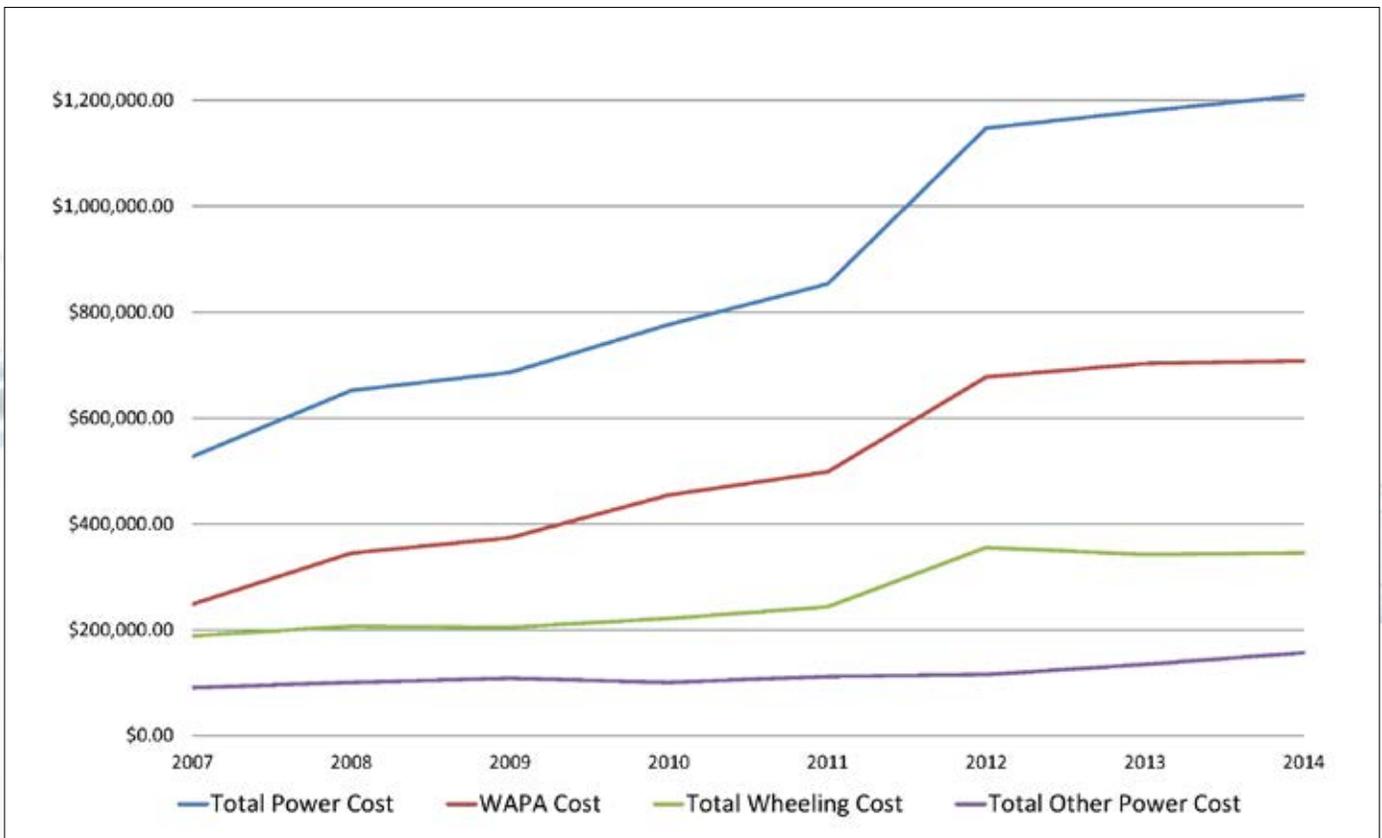
<b>ASSETS</b>	2014	2013
Current Assets	\$ 3,274,238	\$ 2,259,487
Cash and cash equivalents - unrestricted	1,933,368	1,639,676
Investments		
Receivables:		
Accounts (net of allowance of \$6,094 and \$3,754 in 2013 and 2012, respectfully)	969,873	1,194,828
Interest	7,821	9,117
Prepaid expenses	25,662	37,166
Inventory	557,473	510,110
Total current assets	6,768,435	5,650,384
Noncurrent Assets		
Restricted assets:		
Cash and cash equivalents	1,517,655	447,350
Investments	11,573,551	10,188,603
Interest receivable	77,988	77,443
Capital Assets:		
Land	109,196	109,196
Improvements, furniture and equipment, net	4,707,965	4,613,423
Total noncurrent assets	17,986,355	15,436,015
Total Assets	\$ 24,754,790	\$ 21,086,399
	<b>2014</b>	<b>2013</b>
<b>LIABILITIES AND NET POSITION</b>		
Current Liabilities		
Accounts payable	\$ 688,476	\$ 994,053
Accrued salaries	217,784	176,956
Compensated absences, current portion	121,256	103,110
Accrued expenses	104,669	83,897
Construction costs due SWWC	8,234	5,721
Total current liabilities	1,140,419	1,363,737
Long-term Liabilities		
Compensated absences, net of current portion	95,980	90,189
Unearned hookup fees	284,970	276,657
Rental/customer deposits	54,375	53,125
Total long-term liabilities	435,325	419,971
Total Liabilities	1,575,744	1,783,708
Net Position		
Net investment in capital assets	4,817,161	4,722,619
Restricted for replacement	13,169,194	10,713,396
Unrestricted	5,192,691	3,866,676
Total Net Position	\$ 23,179,046	\$ 19,302,691

**SOUTHWEST WATER AUTHORITY**  
**STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN FUND NET POSITION**  
**FOR THE YEARS ENDED DECEMBER 31, 2014 AND 2013**

	2014	2013
Operating revenues:		
Sales	\$ 15,114,385	\$ 13,493,646
Hook up fee transfers	124,213	242,417
Other	88,919	102,132
Total operating revenues	15,327,517	13,838,195
Operating expenses:		
Transmission	6,288,480	5,636,117
Distribution	3,311,204	2,927,718
Board of directors	190,159	216,916
Administrative	788,328	600,717
Easement acquisition	154,937	109,280
Rural water sign-up	121,606	112,636
Customer service	142,003	134,365
Treatment	1,793,155	1,577,177
Total operating expenses	12,789,872	11,314,926
Operating gain	2,537,645	2,523,269
Nonoperating revenue:		
Property taxes	484,219	394,703
Unrealized gain/(loss) on investments	441,703	(785,139)
Investment income	412,788	404,523
Total nonoperating revenue	1,338,710	14,087
Capital Contributions	-	-
Change in net position	3,876,355	2,537,356
Total net position - beginning of year	19,302,691	16,765,335
Total net position - end of year	\$ 23,179,046	\$ 19,302,691

# Electric Power Usage

Southwest Water Authority purchases power from the federal government through the Department of Energy for the main transmission pumping facilities throughout the Project. These expenses are identified as Western Area Power Administration (WAPA) costs. Local utility companies distribute the power to each location. These expenses are identified as wheeling costs. Southwest Water Authority pays for wheeling the power to the local utility companies.



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

WAPA Cost	2007	2008	2009	2010
Beach Pump Station	\$ 2,856.11	\$ 4,061.44	\$ 3,326.00	\$ 5,254.64
Bucyrus Pump Station	\$ 5,201.13	\$ 6,508.06	\$ 8,718.89	\$ 10,836.27
Burt Pump Station	\$ 2,212.72	\$ 2,675.93	\$ 3,519.60	\$ 2,855.07
Center Pump Station	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Dodge Pump Station	\$ 34,711.35	\$ 48,569.85	\$ 52,391.38	\$ 58,325.27
Fryburg Pump Station	\$ 3,761.52	\$ 4,800.97	\$ 5,280.61	\$ 7,780.69
Intake Pump Station	\$ 89,722.43	\$ 128,326.67	\$ 134,015.76	\$ 160,412.27
Jung Lake Pump Station	\$ 15,780.66	\$ 18,855.08	\$ 24,407.09	\$ 34,690.59
Ray Christensen Pump Station	\$ 32,541.01	\$ 40,615.20	\$ 47,822.65	\$ 61,196.37
Richardton Pump Station	\$ 52,790.24	\$ 79,483.76	\$ 83,085.17	\$ 99,634.04
Scranton Pump Station	\$ 1,908.07	\$ 2,110.29	\$ 1,282.49	\$ 1,478.68
Water Treatment Plant Dickinson	\$ 6,877.99	\$ 8,815.28	\$ 9,805.41	\$ 12,200.91
Water Treatment Plant OMND	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Total</b>	<b>\$ 248,363.23</b>	<b>\$ 344,822.53</b>	<b>\$373,655.05</b>	<b>\$ 454,664.80</b>
Total Wheeling Cost	\$ 188,240.59	\$ 206,862.83	204,413.45	\$ 221,161.88
Total Other Power Cost	\$ 90,609.45	\$ 100,501.50	107,924.49	\$ 100,541.19
<b>Total Power Cost</b>	<b>\$ 527,213.27</b>	<b>\$ 652,186.86</b>	<b>\$685,992.99</b>	<b>\$ 776,367.87</b>

WAPA Cost	2011	2012	2013	2014
Beach Pump Station	\$ 6,083.55	\$ 6,080.73	\$ 5,453.83	\$ 6,851.62
Bucyrus Pump Station	\$ 10,530.90	\$ 11,802.40	\$ 10,637.71	\$ 8,865.25
Burt Pump Station	\$ 3,765.80	\$ 4,112.44	\$ 3,567.94	\$ 2,006.11
Center Pump Station	\$ 0.00	\$ 448.72	\$ 2,856.93	\$ 2,827.54
Dodge Pump Station	\$ 71,045.58	\$ 109,339.41	\$ 108,393.23	\$ 123,390.39
Fryburg Pump Station	\$ 9,138.29	\$ 9,898.95	\$ 10,306.71	\$ 10,544.87
Intake Pump Station	\$ 175,494.97	\$ 230,877.22	\$ 246,905.11	\$ 243,017.24
Jung Lake Pump Station	\$ 31,036.80	\$ 35,914.95	\$ 35,863.70	\$ 32,374.97
Ray Christensen Pump Station	\$ 66,915.15	\$ 77,218.27	\$ 79,218.91	\$ 70,551.69
Richardton Pump Station	\$ 109,427.12	\$ 153,474.25	\$ 150,097.28	\$ 153,294.60
Scranton Pump Station	\$ 1,592.24	\$ 2,438.64	\$ 1,938.92	\$ 1,556.50
Water Treatment Plant Dickinson	\$ 13,269.84	\$ 15,293.02	\$ 13,472.40	\$ 16,060.73
Water Treatment Plant OMND	\$ 0.00	\$ 20,612.86	\$ 34,274.88	\$ 36,573.24
<b>Total</b>	<b>\$ 498,300.24</b>	<b>\$ 677,511.86</b>	<b>\$ 702,987.55</b>	<b>\$ 707,914.75</b>
Total Wheeling Cost	\$ 243,363.81	\$ 355,437.21	\$ 342,114.62	\$ 345,425.34
Total Other Power Cost	\$ 111,760.43	\$ 115,013.88	\$ 134,694.50	\$ 156,522.83
<b>Total Power Cost</b>	<b>\$ 853,424.48</b>	<b>\$ 1,147,962.95</b>	<b>\$ 1,179,796.67</b>	<b>\$ 1,209,862.92</b>

## Treated Water Users & Gallons Used

Alliance AG Co-op	67,900	Manning	2,446,900
Antelope Valley-Basin Electric	3,088,800	McKenzie Co. Grazing Association	1,541,700
Aries Land LLC	1,006,500	Medora	20,009,700
Assumption Abbey	1,253,500	Missouri Basin Well Service	3,334,500
Baker Boy	5,335,800	Mott	24,052,300
Beach	43,832,800	Mott Grain	116,000
Belfield	55,787,700	MWWS	25,684,900
Billings County	880,800	New England	24,165,100
Carson	8,085,400	New Hradec	939,600
Center	21,469,400	New Leipzig	5,860,000
Coteau Properties	1,246,200	Northern Improvement Company	900,100
Coyote Station-Otter Tail	0	Perkins Co Rural Water System	124,134,000
Dakota Gasification	0	Prairie Learning Center	1,125,900
Dakota Paririe Refining	15,678,700	Reeder	5,712,600
Dickinson	980,935,600	Regent	6,142,400
Dickinson Research Center	1,513,700	Rhame	955,000
Dodge	3,364,000	Richardton	19,155,700
Dunn Center	6,872,400	Sacred Heart	389,000
East Weidner Bay	146,500	Scranton	9,604,300
Elgin	15,367,000	Sentinel Butte	11,368,600
Gladstone	7,267,200	South Heart	15,732,900
Glen Ullin	27,120,900	Stanton	12,432,500
Golden Valley	6,685,900	Stanton Station-Great River Energy	283,200
Golva	1,836,000	Steffes Manufacturing	2,501,700
GTLE Dakota Plant	100	Target Logistics	1,808,300
Halliday	12,656,200	Taylor	6,194,000
Hazen	83,987,000	West Medora Campground	2,180,000
Hebron	20,928,900	Zap	7,620,300
Hettinger	53,451,000	Rural*	316,191,900
Home on the Range	1,264,000	Construction	8,228,340
Karsky Dairy	1,832,600	<b>Total</b>	<b>2,052,450,440</b>
Lakeshore Estates	1,320,300		
Lambourn, Travis & Tara	2,722,700		
Leland Olds-Basin Electric	3,486,300		
		*Included in Rural Usage	
		Missouri West Water System	1,147,200

## Raw Water Users & Gallons Used

Assumption Abbey	67,200	Fred Lorenz	516,500	Ken Richau	76,200
Dodge Depot	33,023,000	Perhus Brothers 1	18,800	Sacred Heart	414,000
CB "Buck" Haas	281,000	Perhus Brothers 2	170,200	SWA Depot	112,160,230
Ken Hueske	2,742,600	Perhus Brothers 3	31,100	David Swenson	362,500
Robert Jurgens	417,000	Perhus Brothers 4	921,300	Dale Weigum	153,900
Gerald Kadrmas 1	35,400	Red Tail Energy	176,166,000	<b>Total</b>	<b>327,865,730</b>
Gerald Kadrmas 2	84,200	Ken Richau	44,400		
Ervin Lorenz	169,100	Ken Richau	11,100		

Total Water Used 2,380,316,170

# Rural Water Usage History

Year	January	February	March	April	May	June	July
1995	638,000	722,000	797,000	841,000	934,000	1,282,000	1,601,000
1996	2,674,000	2,513,000	3,001,000	3,096,000	2,994,000	3,537,000	4,435,000
1997	4,508,000	4,513,300	3,876,400	4,383,300	4,642,000	5,516,800	6,041,300
1998	5,213,600	5,108,300	4,694,500	4,889,400	5,105,200	7,228,400	5,945,000
1999	5,627,700	5,355,100	4,912,600	6,081,700	5,589,900	6,078,700	7,307,200
2000	7,567,600	7,178,100	6,538,000	7,618,300	7,979,600	8,979,700	8,886,400
2001	7,566,100	7,182,800	6,803,000	7,199,700	7,890,200	9,377,700	8,687,300
2002	8,803,100	7,351,300	7,367,300	8,452,700	8,591,300	11,816,800	12,067,400
2003	9,747,700	9,030,800	8,645,200	8,999,500	10,030,800	12,353,200	12,869,800
2004	10,499,300	9,838,200	8,627,700	9,678,100	11,882,600	12,985,500	15,676,800
2005	10,438,000	9,806,900	9,593,300	11,043,100	11,416,100	13,780,800	13,786,700
2006	10,776,500	10,172,100	10,680,600	11,034,400	12,665,800	18,998,700	21,531,000
2007	12,867,600	11,771,000	11,329,700	12,448,400	14,496,100	16,721,800	18,379,400
2008	13,941,000	13,592,600	13,267,000	14,493,600	15,994,400	20,501,300	23,899,300
2009	15,579,500	12,289,100	11,789,800	14,893,100	15,245,700	19,033,200	20,674,000
2010	14,427,600	15,735,900	14,877,200	16,289,400	16,950,600	19,383,100	21,095,800
2011	16,490,100	14,266,700	13,389,500	14,932,200	14,646,300	19,300,500	21,521,700
2012	17,082,200	15,256,600	18,943,700	20,231,200	21,178,300	27,213,500	29,723,000
2013	14,522,100	20,266,800	15,378,700	30,977,100	23,600,300	23,338,400	28,305,200
2014	23,025,900	18,416,600	16,000,300	22,909,000	20,355,600	27,000,800	30,754,200

Year	August	September	October	November	December	Total
1995	1,708,000	1,822,000	1,531,000	1,839,000	2,130,000	15,845,000
1996	4,829,000	5,598,000	4,342,000	4,026,400	5,328,000	46,373,400
1997	6,136,200	5,623,200	6,124,000	4,679,100	4,853,000	60,896,600
1998	7,279,200	6,742,300	6,672,900	6,136,000	4,776,100	69,790,900
1999	8,430,100	7,579,700	7,742,800	6,717,200	7,047,500	78,470,200
2000	9,147,300	10,089,100	10,638,200	7,627,100	7,166,100	99,415,500
2001	8,853,700	10,633,300	10,084,400	7,364,200	7,860,900	99,503,300
2002	12,878,000	11,186,900	16,109,900	9,111,700	8,463,100	122,199,500
2003	14,851,300	14,823,500	19,743,800	10,257,100	9,372,700	140,725,400
2004	14,729,100	14,405,200	19,217,100	10,106,100	9,765,600	147,411,300
2005	14,552,400	16,177,400	24,084,600	11,281,500	10,926,200	156,887,000
2006	20,737,600	19,738,000	28,259,600	11,319,100	11,990,200	187,903,600
2007	25,051,500	17,648,100	32,752,500	14,819,100	13,439,000	201,724,200
2008	23,046,000	23,696,100	44,924,600	13,687,900	14,743,200	235,787,000
2009	18,855,600	19,582,300	39,242,900	13,336,300	13,785,900	214,307,400
2010	21,414,000	20,329,500	31,186,000	26,640,100	33,531,100	251,860,300
2011	23,185,600	20,493,400	44,866,800	11,082,100	14,797,200	228,972,100
2012	32,261,800	28,952,800	62,453,500	17,218,500	20,510,200	311,025,300
2013	33,965,300	26,511,200	57,993,300	14,954,300	18,095,000	307,907,700
2014	30,242,200	24,207,800	57,386,800	17,627,800	28,264,900	316,191,900

# Potable Water Usage

User	January	February	March	April	May	June
Alliance AG Co-op	0.00	0.00	0.30	0.00	0.60	15.40
Antelope Valley-Basin Electric	234.70	224.60	301.90	373.00	327.50	317.80
Aries Land LLC	95.30	93.10	99.20	108.70	0.00	209.00
Assumption Abbey	118.50	93.00	112.00	103.00	99.00	111.10
Baker Boy	131.80	164.40	138.40	192.60	280.90	486.20
Beach	3,171.80	3,348.10	4,860.80	3,406.00	2,804.00	5,023.80
Belfield	5,198.20	4,194.30	4,806.40	4,956.30	4,063.70	6,039.10
Billings County	0.00	0.00	0.00	0.00	84.70	227.40
Carson	677.80	612.80	742.80	655.80	570.20	732.00
Center	1,197.50	1,638.90	2,013.30	1,879.90	1,512.70	2,157.20
Coteau Properties	108.20	92.80	106.10	110.90	91.90	113.20
Dakota Prairie Refining	48.90	4.80	69.60	4,678.80	2,508.80	817.00
Dickinson	68,819.80	62,306.60	73,923.30	67,202.80	66,530.30	102,605.40
Dickinson Research Center	57.20	115.90	84.00	109.50	13.10	140.70
Dodge	294.00	249.00	275.00	244.00	248.00	378.00
Dunn Center	645.70	497.90	572.80	524.60	516.40	372.60
East Weidner Bay	0.00	0.00	0.00	0.00	21.40	24.90
Elgin	1,321.40	1,007.00	1,216.60	1,138.40	1,151.80	1,608.80
Gladstone	624.90	489.80	657.30	508.00	494.00	752.60
Glen Ullin	2,361.90	1,875.00	2,253.00	2,108.00	2,055.00	2,684.40
Golden Valley	804.40	798.10	544.40	431.40	465.50	644.10
Golva	159.40	117.00	136.40	130.90	116.40	188.70
GTLE Dakota Plant	0.00	0.00	0.00	0.00	0.00	0.00
Halliday	1,343.70	1,116.60	1,191.50	827.00	777.60	1,081.80
Hazen	6,387.30	5,176.00	6,162.70	5,890.00	5,953.80	9,589.80
Hebron	1,780.90	1,431.00	1,694.00	1,571.00	1,523.00	2,206.40
Hettinger	4,506.10	3,546.60	4,159.30	3,914.00	3,495.10	5,123.00
Home on the Range	102.00	89.50	115.00	109.00	107.00	115.00
Karsky Dairy	144.80	143.50	123.90	147.60	185.20	144.50
Lakeshore Estates	126.00	59.70	74.30	68.20	149.10	194.40
Lambourn, Traivs & Tara	173.30	190.50	135.80	154.20	207.80	330.30
Leland Olds-Basin Electric	78.60	82.80	148.20	190.00	198.40	262.50
Manning	181.70	157.20	186.40	167.20	152.90	259.30
McKenzie Co. Grazing Assn.	0.00	0.00	0.00	0.00	0.00	0.00
Medora	912.20	569.60	895.30	853.30	1,099.30	2,916.00
Missouri Basin Well Service	10.20	38.50	287.20	188.90	256.00	345.60

# per 1,000 Gallons

July	August	September	October	November	December	User Total
0.00	5.30	12.30	33.30	0.60	0.10	67.90
214.30	223.80	203.60	205.70	267.60	194.30	3,088.80
73.40	72.70	56.90	34.00	103.60	60.60	1,006.50
136.90	126.00	78.00	79.00	111.00	86.00	1,253.50
799.90	745.80	716.60	657.00	577.50	444.70	5,335.80
4,805.40	5,061.20	3,497.00	2,674.60	2,826.60	2,353.50	43,832.80
5,218.00	5,231.80	3,422.00	3,502.90	5,590.40	3,564.60	55,787.70
168.00	0.00	267.70	121.40	11.60	0.00	880.80
784.40	764.50	635.10	607.20	739.60	563.20	8,085.40
1,949.20	2,200.40	1,784.50	1,459.90	1,583.80	1,372.10	21,469.40
125.00	138.50	100.10	84.70	104.00	70.80	1,246.20
391.30	578.60	1,496.20	790.80	2,777.60	1,516.30	15,678.70
115,827.90	119,670.30	87,905.70	71,208.30	85,346.30	59,588.90	980,935.60
171.40	98.40	125.80	353.30	57.50	186.90	1,513.70
301.00	363.00	262.00	235.00	288.00	227.00	3,364.00
591.40	681.30	573.90	531.70	737.00	627.10	6,872.40
40.50	37.20	20.40	0.00	2.10	0.00	146.50
1,501.60	1,651.50	1,292.70	1,128.40	1,285.60	1,063.20	15,367.00
665.40	717.00	548.70	528.00	645.00	636.50	7,267.20
2,345.60	2,693.00	2,313.00	2,112.00	2,375.00	1,945.00	27,120.90
655.80	668.00	426.20	369.30	490.10	388.60	6,685.90
218.50	232.10	131.60	118.70	157.80	128.50	1,836.00
0.00	0.00	0.00	0.00	0.10	0.00	0.10
965.70	1,180.70	891.30	782.60	1,214.30	1,283.40	12,656.20
9,108.10	10,029.40	7,101.50	6,075.80	6,745.90	5,766.70	83,987.00
2,029.60	2,111.00	1,726.00	1,578.00	1,815.00	1,463.00	20,928.90
5,218.70	6,225.00	5,257.00	3,971.20	4,469.00	3,566.00	53,451.00
107.50	134.50	94.80	90.70	109.00	90.00	1,264.00
183.50	166.80	144.30	150.90	156.10	141.50	1,832.60
196.00	161.60	111.10	61.90	68.00	50.00	1,320.30
298.50	217.80	0.00	557.80	239.80	216.90	2,722.70
244.40	316.50	419.30	543.90	534.50	467.20	3,486.30
256.80	338.30	263.40	147.90	186.70	149.10	2,446.90
194.70	319.00	191.10	204.70	238.50	393.70	1,541.70
3,631.60	4,206.70	2,497.10	998.60	857.00	573.00	20,009.70
351.20	372.50	425.50	447.20	403.60	208.10	3,334.50

# Potable Water Usage cont'd

User	January	February	March	April	May	June
Mott	2,013.20	1,542.30	2,030.70	1,871.80	1,839.10	2,942.60
Mott Grain	9.30	8.70	7.60	8.80	0.00	31.30
MWWS-OMND	1,410.30	1,190.00	2,105.60	2,371.00	2,461.70	3,289.60
New England	1,882.00	1,624.90	1,830.60	1,732.00	1,936.60	2,732.00
New Hradec	91.20	72.00	81.30	73.70	75.90	81.90
New Leipzig	456.90	406.80	501.90	601.90	403.20	568.10
Northern Improvement	75.60	48.50	28.90	81.00	89.40	73.80
Perkins Co Rural Water System	10,674.70	8,243.10	11,584.90	11,056.10	9,582.60	11,929.30
Prairie Learning Center	84.90	75.00	194.10	92.40	77.10	98.70
Reeder	539.90	457.50	461.40	530.90	375.10	406.70
Regent	517.50	480.10	447.40	369.60	456.20	718.90
Rhame	0.00	0.00	0.00	0.00	0.00	0.00
Richardton	1,863.70	1,497.00	1,796.00	1,694.50	1,639.50	1,673.10
Sacred Heart	29.00	24.00	36.00	28.00	33.00	44.00
Scranton	700.40	564.20	761.20	574.70	771.30	1,168.70
Sentinel Butte	775.00	611.30	377.10	989.10	713.40	873.30
South Heart	1,178.00	913.70	1,265.70	775.40	938.30	1,507.60
Stanton	858.90	659.30	848.20	961.20	1,309.50	1,503.40
Stanton St-Great River Energy	21.30	21.20	23.70	19.90	18.30	22.20
Steffes Corporation	249.70	300.20	213.80	141.00	376.20	8.30
Target Logistics	114.60	78.90	121.60	110.70	137.00	120.50
Taylor	454.00	425.00	456.00	407.00	408.00	560.00
West Medora Campground	53.00	32.00	38.00	37.00	284.00	370.00
Zap	913.20	643.60	646.80	602.10	550.80	721.20
<b>Monthly Total</b>	<b>127,504.50</b>	<b>110,443.90</b>	<b>133,945.30</b>	<b>128,072.80</b>	<b>122,537.30</b>	<b>179,663.20</b>

# per 1,000 Gallons

July	August	September	October	November	December	User Total
2,159.70	2,241.40	2,007.90	1,814.00	1,953.30	1,636.30	24,052.30
18.20	10.90	16.00	5.20	0.00	0.00	116.00
2,468.40	3,120.80	1,940.40	1,814.20	1,849.20	1,663.70	25,684.90
2,635.80	2,642.60	2,050.40	1,676.40	1,886.10	1,535.70	24,165.10
93.40	97.20	75.30	61.70	72.90	63.10	939.60
504.20	598.70	510.40	418.30	503.70	385.90	5,860.00
83.60	115.90	25.00	169.50	78.70	30.20	900.10
10,383.50	12,039.20	9,808.40	8,747.90	10,763.10	9,321.20	124,134.00
58.00	91.10	116.80	73.60	90.70	73.50	1,125.90
542.10	597.60	475.00	472.60	481.50	372.30	5,712.60
600.20	538.30	489.50	514.20	612.60	397.90	6,142.40
0.00	0.00	0.00	234.00	396.20	324.80	955.00
1,672.90	1,999.00	1,456.00	1,258.00	1,386.00	1,220.00	19,155.70
35.00	41.00	35.00	28.00	31.00	25.00	389.00
1,160.20	1,133.70	723.60	747.90	731.60	566.80	9,604.30
1,438.00	1,550.80	670.00	986.60	1,950.60	433.40	11,368.60
1,996.10	1,973.50	1,357.70	1,516.90	1,230.20	1,080.20	15,732.90
1,275.90	1,262.00	992.10	1,026.90	926.80	808.30	12,432.50
36.90	23.60	20.70	32.60	23.20	19.60	283.20
241.60	239.40	337.40	92.90	218.00	83.20	2,501.70
100.80	102.70	235.30	219.70	254.90	211.60	1,808.30
683.00	707.00	573.00	486.00	569.00	466.00	6,194.00
467.00	547.50	253.50	33.00	34.00	31.00	2,180.00
662.60	661.70	588.10	485.30	654.00	490.90	7,620.30
189,088.30	200,075.80	149,749.90	125,361.80	149,813.10	110,627.10	1,726,883.00

# Water Service Contracts

User	Billed (kgal)	O&M	Treatment
Alliance Ag Co-op	1,200.00	\$ 1,344.00	\$ 960.00
Aries Land LLC	1,200.00	\$ 1,344.00	\$ 960.00
Assumption Abbey (Demand)	1,253.50	\$ 1,403.92	\$ 1,002.80
Assumption Abbey (Raw)	100.00	\$ 112.00	-
Baker Boy	5,335.80	\$ 5,976.10	\$ 4,268.64
Basin Electric Antelope Valley	3,088.80	\$ 3,459.46	\$ 2,471.04
Basin Electric Leland Olds	3,486.30	\$ 3,904.66	\$ 2,789.04
Beach	43,832.80	\$ 49,092.74	\$ 35,066.24
Belfield	55,787.70	\$ 69,269.76	\$ 46,172.78
Billings County	1,200.00	\$ 1,344.00	\$ 960.00
Carson	8,085.40	\$ 9,055.65	\$ 6,468.32
Center	21,469.40	\$ 24,045.73	\$ 17,175.52
Coteau Properties	1,246.20	\$ 1,395.74	\$ 996.96
Dakota Gasification Company	1,200.00	\$ 1,344.00	\$ 960.00
Dakota Prairie Refining	15,678.70	\$ 33,419.35	\$ 23,870.96
Dickinson	980,935.60	\$ 1,152,881.89	\$ 796,945.31
Dickinson Research Center	1,513.70	\$ 1,695.34	\$ 1,210.96
Dodge	3,364.00	\$ 3,767.68	\$ 2,691.20
Dodge Water Depot (Raw)	33,023.00	\$ 66,046.00	\$ 33,023.00
Dunn Center	6,872.40	\$ 7,697.09	\$ 5,497.92
East Weidner Bay	1,200.00	\$ 1,344.00	\$ 960.00
Elgin	15,367.00	\$ 17,211.04	\$ 12,293.60
Gladstone	7,267.20	\$ 8,139.27	\$ 5,813.76
Glen Ullin	27,120.90	\$ 30,375.41	\$ 21,696.72
Golden Valley	6,685.90	\$ 7,488.21	\$ 5,348.72
Golva	1,836.00	\$ 2,056.32	\$ 1,468.80
Great River Energy St. Stanton	1,200.00	\$ 1,344.00	\$ 960.00
GTLE Dakota Plant	1,200.00	\$ 1,344.00	\$ 960.00
Haas, CB "Buck"	500.00	\$ 560.00	-
Halliday	12,656.20	\$ 14,174.94	\$ 10,124.96
Hazen	83,987.00	\$ 94,065.45	\$ 67,189.60
Hebron	20,928.90	\$ 23,400.37	\$ 16,743.12
Hettinger	53,451.00	\$ 59,865.11	\$ 42,760.80
Home on the Range	1,264.00	\$ 1,415.68	\$ 1,011.20
Hueske, Ken	2,742.60	\$ 3,071.70	-
Johnson, Ole	200.00	\$ 224.00	\$ 160.00
Jurgens, Robert	500.00	\$ 560.00	-
Kadrmass, Gerald	100.00	\$ 112.00	-
Kadrmass, Gerald	100.00	\$ 112.00	-
Karsky Dairy	1,832.60	\$ 2,052.52	\$ 1,466.08
Lakeshore Estates	1,320.30	\$ 1,478.73	\$ 1,056.24
Lambourn, Travis & Tara	2,722.70	\$ 3,049.45	\$ 2,178.16
Lorenz, Ervin	516.50	\$ 189.38	-
Lorenz, Fred	169.10	\$ 578.47	-

Reserve	Replacement	Capital Repayment	Demand	O&M Distribution	Total
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 87.75	\$ 626.75	\$ 1,403.92	\$ 1,403.92		\$ 5,929.06
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 373.51	\$ 2,667.90	\$ 5,976.10			\$ 19,262.25
\$ 216.22	\$ 1,544.40	\$ 3,459.46			\$ 11,150.58
\$ 244.05	\$ 1,743.15	\$ 3,904.66			\$ 12,585.56
\$ 3,068.31	\$ 21,916.40	\$ 49,092.74			\$ 158,236.43
\$ 16,168.97	\$ 75,483.70	\$ 105,289.96		\$ 15,426.20	\$ 327,811.37
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 565.99	\$ 4,042.70	\$ 9,055.65			\$ 29,188.31
\$ 1,502.86	\$ 10,734.70	\$ 24,045.73			\$ 77,504.54
\$ 87.24	\$ 623.10	\$ 1,395.74			\$ 4,498.78
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 2,088.71	\$ 14,919.35	\$ 33,419.35			\$ 107,712.72
\$ 167,131.96	\$ 872,539.63	\$ 1,442,142.33		\$ 123,878.60	\$ 4,555,519.72
\$ 105.96	\$ 756.85	\$ 1,695.34	\$ 1,695.34		\$ 7,159.79
\$ 235.48	\$ 1,682.00	\$ 3,767.68			\$ 12,144.04
\$ 54,818.18	\$ 220,263.41	\$ 220,263.41		\$ 66,046.00	\$ 660,460.00
\$ 481.07	\$ 3,436.20	\$ 7,697.09			\$ 24,809.37
\$ 84.00	\$ 600.00	\$ 1,344.00	\$ 1,344.00		\$ 5,676.00
\$ 1,075.70	\$ 7,683.50	\$ 17,211.04			\$ 55,474.88
\$ 508.71	\$ 3,633.60	\$ 8,139.27			\$ 26,234.61
\$ 1,898.46	\$ 13,560.45	\$ 30,375.41			\$ 97,906.45
\$ 468.03	\$ 3,342.95	\$ 7,488.21			\$ 24,136.12
\$ 128.54	\$ 918.00	\$ 2,056.32	\$ 2,056.32		\$ 8,684.30
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 45.00	\$ 250.00	\$ 560.00			\$ 1,415.00
\$ 885.94	\$ 6,328.10	\$ 14,174.94			\$ 45,688.88
\$ 5,879.11	\$ 41,993.50	\$ 94,065.45			\$ 303,193.11
\$ 1,465.02	\$ 10,464.45	\$ 23,440.37			\$ 75,553.33
\$ 3,741.57	\$ 26,725.50	\$ 59,865.11			\$ 192,958.09
\$ 88.50	\$ 632.00	\$ 1,415.68	\$ 1,415.68		\$ 5,978.74
\$ 246.83	\$ 1,371.30	\$ 3,071.70			\$ 7,761.53
\$ 14.00	\$ 100.00	\$ 224.00			\$ 722.00
\$ 45.00	\$ 250.00	\$ 560.00			\$ 1,415.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 128.30	\$ 916.30	\$ 2,052.52			\$ 6,615.72
\$ 92.42	\$ 660.15	\$ 1,478.73	\$ 1,478.73		\$ 6,245.00
\$ 190.61	\$ 1,361.35	\$ 3,049.45			\$ 9,829.02
\$ 15.22	\$ 84.55	\$ 189.38			\$ 478.53
\$ 46.49	\$ 258.25	\$ 578.47			\$ 1,461.68

# Water Service Contracts cont'd

User	Billed (kgal)	O&M	Treatment
Manning	2,446.90	\$ 2,740.53	\$ 1,957.52
McKenzie County Grazing Association	1,541.70	\$ 1,726.69	\$ 1,233.36
Medora	20,009.70	\$ 22,410.86	\$ 16,007.76
Missouri Basin Well Service	3,334.50	\$ 6,669.00	\$ 3,334.50
Missouri West Water System	40,000.00	\$ 44,800.00	\$ 32,000.00
Moline, Dale & Sue	100.00	\$ 112.00	-
Mott	24,052.30	\$ 26,938.58	\$ 19,241.84
Mott Grain	116.00	\$ 129.92	\$ 92.80
Neurohr, Dan	100.00	\$ 112.00	-
New England	24,165.10	\$ 27,064.91	\$ 19,332.08
New Hradec	939.60	\$ 1,052.35	\$ 751.68
New Leipzig	5,860.00	\$ 6,563.20	\$ 4,688.00
Northern Improvement	1,200.00	\$ 1,344.00	\$ 960.00
Otter Tail-Coyote Station	1,200.00	\$ 1,344.00	\$ 960.00
Perhus Brothers	100.00	\$ 112.00	-
Perhus Brothers	921.30	\$ 1,031.85	-
Perhus Brothers	100.00	\$ 112.00	-
Perhus Brothers	170.20	\$ 190.63	-
Perkins County Rural Water System	124,134.00	\$ 139,030.07	\$ 99,307.20
Prairie Learning Center	1,200.00	\$ 1,344.00	\$ 960.00
Red Tail Energy	176,166.00	\$ 197,305.92	-
Reeder	5,712.60	\$ 6,398.11	\$ 4,570.08
Regent	6,142.40	\$ 6,879.48	\$ 4,913.92
Rhame	855.00	\$ 957.60	\$ 684.00
Richardton	19,155.70	\$ 21,454.38	\$ 15,324.56
Richau, Ken	100.00	\$ 112.00	-
Richau, Ken	100.00	\$ 112.00	-
Richau, Ken	100.00	\$ 112.00	-
Sacred Heart (Demand)	389.00	\$ 435.68	\$ 311.20
Sacred Heart Monastery (Raw)	500.00	\$ 560.00	-
Scraton	9,604.30	\$ 10,756.80	\$ 7,683.44
Sentinel Butte	11,368.60	\$ 17,878.55	\$ 10,264.37
South Heart	15,732.90	\$ 17,620.84	\$ 12,586.32
Stanton	12,409.50	\$ 13,898.65	\$ 9,927.60
Steffes Corporation	2,501.70	\$ 2,801.90	\$ 2,001.36
SWA Water Depot (Raw)	112,160.23	\$ 336,480.69	\$ 112,160.23
Swenson, David & Douglas	362.50	\$ 406.02	-
Target Logistics	1,808.30	\$ 2,025.29	\$ 1,446.64
Taylor	6,194.00	\$ 6,937.28	\$ 4,955.20
Weigum, Dale	153.90	\$ 172.37	-
West Medora Campground	2,180.00	\$ 2,441.60	\$ 1,744.00
Zap	7,620.30	\$ 8,534.73	\$ 6,096.24
<b>Total:</b>	<b>2,077,749.43</b>	<b>\$ 2,651,961.64</b>	<b>\$ 1,571,178.35</b>

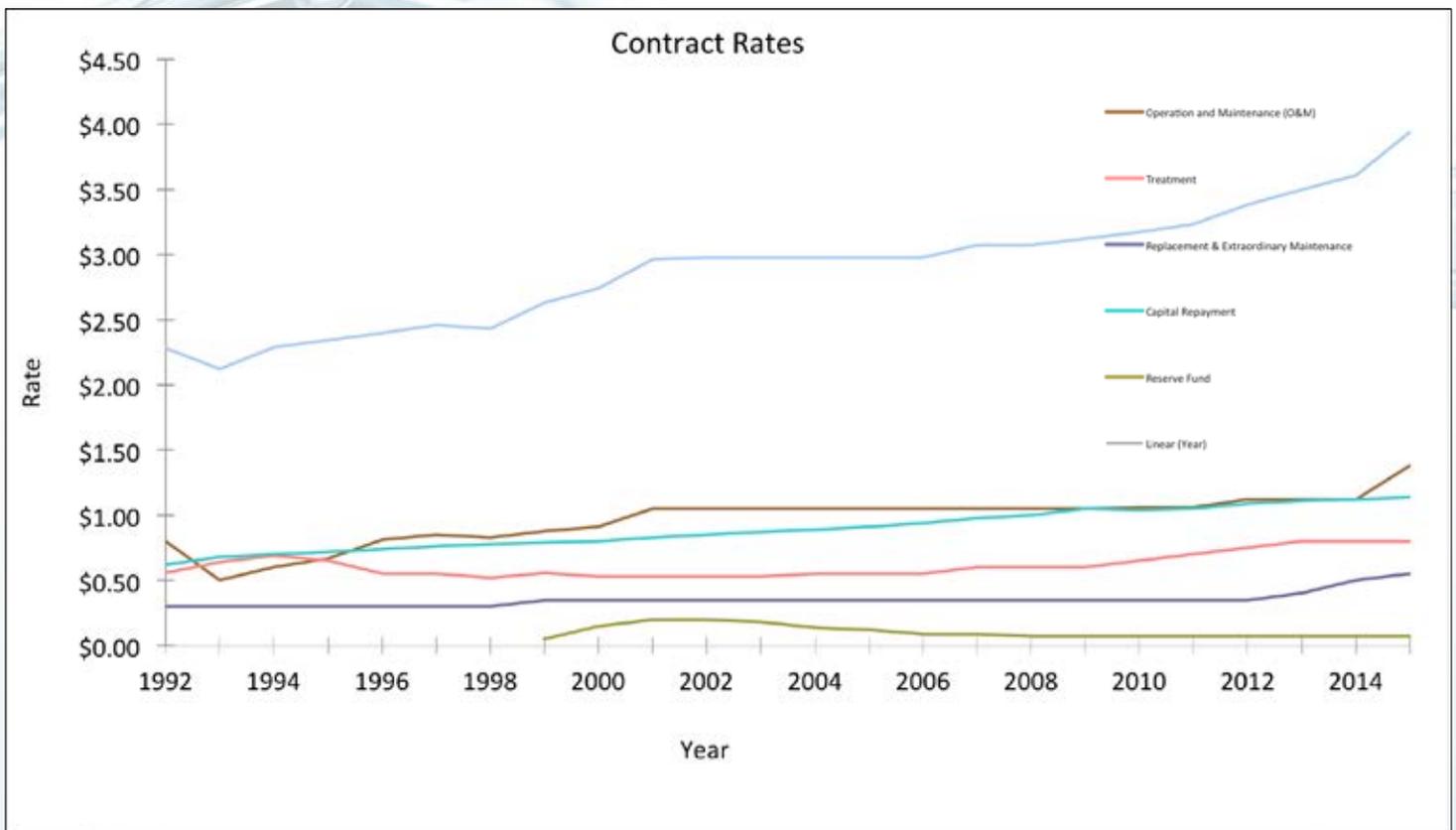
Reserve	Replacement	Capital Repayment	Demand	O&M Distribution	Total
\$ 171.28	\$ 1,223.45	\$ 2,740.53	\$ 2,740.53		\$ 11,573.84
\$ 107.93	\$ 770.85	\$ 1,726.69			\$ 5,565.52
\$ 1,400.67	\$ 10,004.85	\$ 22,410.86			\$ 72,235.00
\$ 5,535.27	\$ 22,241.11	\$ 22,241.11		\$ 6,669.00	\$ 66,689.99
\$ 2,800.00	\$ 20,000.00	\$ 44,800.00			\$ 144,400.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 1,683.66	\$ 12,026.15	\$ 26,938.58			\$ 86,828.81
\$ 8.11	\$ 58.00	\$ 129.92			\$ 418.75
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 1,691.56	\$ 12,082.55	\$ 27,064.91			\$ 87,236.01
\$ 65.76	\$ 469.80	\$ 1,052.35	\$ 1,052.35		\$ 4,444.29
\$ 410.19	\$ 2,930.00	\$ 6,563.20			\$ 21,154.59
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 82.93	\$ 460.65	\$ 1,031.85			\$ 2,607.28
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 15.33	\$ 85.10	\$ 190.63			\$ 481.69
\$ 8,689.38	\$ 62,067.00	-			\$ 309,093.65
\$ 84.00	\$ 600.00	\$ 1,344.00			\$ 4,332.00
\$ 15,854.94	\$ 88,083.00	\$ 197,305.92			\$ 498,549.78
\$ 399.89	\$ 2,856.30	\$ 6,398.11			\$ 20,622.49
\$ 429.96	\$ 3,071.20	\$ 6,879.48			\$ 22,174.04
\$ 59.85	\$ 427.50	\$ 957.60			\$ 3,086.55
\$ 1,340.91	\$ 9,577.85	\$ 21,454.38			\$ 69,152.08
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 9.00	\$ 50.00	\$ 112.00			\$ 283.00
\$ 27.23	\$ 194.50	\$ 435.68	\$ 435.68		\$ 1,839.97
\$ 45.00	\$ 250.00	\$ 560.00			\$ 1,415.00
\$ 672.29	\$ 4,802.15	\$ 10,756.80			\$ 34,671.48
\$ 10,093.19	\$ 41,762.84	\$ 45,185.96		\$ 11,694.82	\$ 136,879.73
\$ 1,101.30	\$ 7,866.45	\$ 17,620.84			\$ 56,795.75
\$ 868.66	\$ 6,204.75	\$ 13,898.65			\$ 44,798.31
\$ 175.11	\$ 1,250.85	\$ 2,801.90			\$ 9,031.12
\$ 683,055.82	\$ 523,788.27	\$ 251,238.92		\$ 336,480.69	\$ 2,243,204.62
\$ 32.64	\$ 181.25	\$ 406.02			\$ 1,025.93
\$ 126.58	\$ 904.15	\$ 2,025.29			\$ 6,527.95
\$ 433.58	\$ 3,097.00	\$ 6,937.28			\$ 22,360.34
\$ 13.85	\$ 76.95	\$ 172.37			\$ 435.54
\$ 152.61	\$ 1,090.00	\$ 2,441.60	\$ 2,441.60		\$ 10,311.41
\$ 533.42	\$ 3,810.15	\$ 8,534.73			\$ 27,509.27
<b>\$ 1,003,148.61</b>	<b>\$ 2,203,728.86</b>	<b>\$ 2,950,067.37</b>	<b>\$ 16,064.15</b>	<b>\$ 560,193.31</b>	<b>\$ 10,956,344.29</b>

# Rates History

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Operations & Maintenance (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
Replacement & Extraordinary Maintenance	\$ 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								\$ 0.05	\$ 0.15	\$ 0.20
Contract Rate Total	\$ 2.28	\$ 2.12	\$ 2.29	\$ 2.34	\$ 2.40	\$ 2.46	\$ 2.43	\$ 2.63	\$ 2.74	\$ 2.96
Capital Repayment as a Percentage of Total	27.19%	32.08%	30.57%	30.77%	30.83%	30.89%	32.10%	30.04%	29.20%	28.04%

Rural Monthly Minimum	\$ 25.00	\$ 25.00	\$ 25.00	\$ 26.95	\$ 28.00	\$ 33.90	\$ 33.90	\$ 35.10	\$ 35.80	\$ 37.55
Rural Water Rate	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.55	\$ 2.59	\$ 2.56	\$ 3.05	\$ 3.15	\$ 3.60
Capital Repayment for Rural	\$ 20.00	\$ 20.00	\$ 20.00	\$ 21.95	\$ 22.52	\$ 23.25	\$ 23.64	\$ 23.96	\$ 24.50	\$ 25.34
Capital Repayment as a Percentage of Total	80.00%	80.00%	80.00%	81.45%	80.43%	68.58%	69.73%	68.26%	68.44%	67.48%

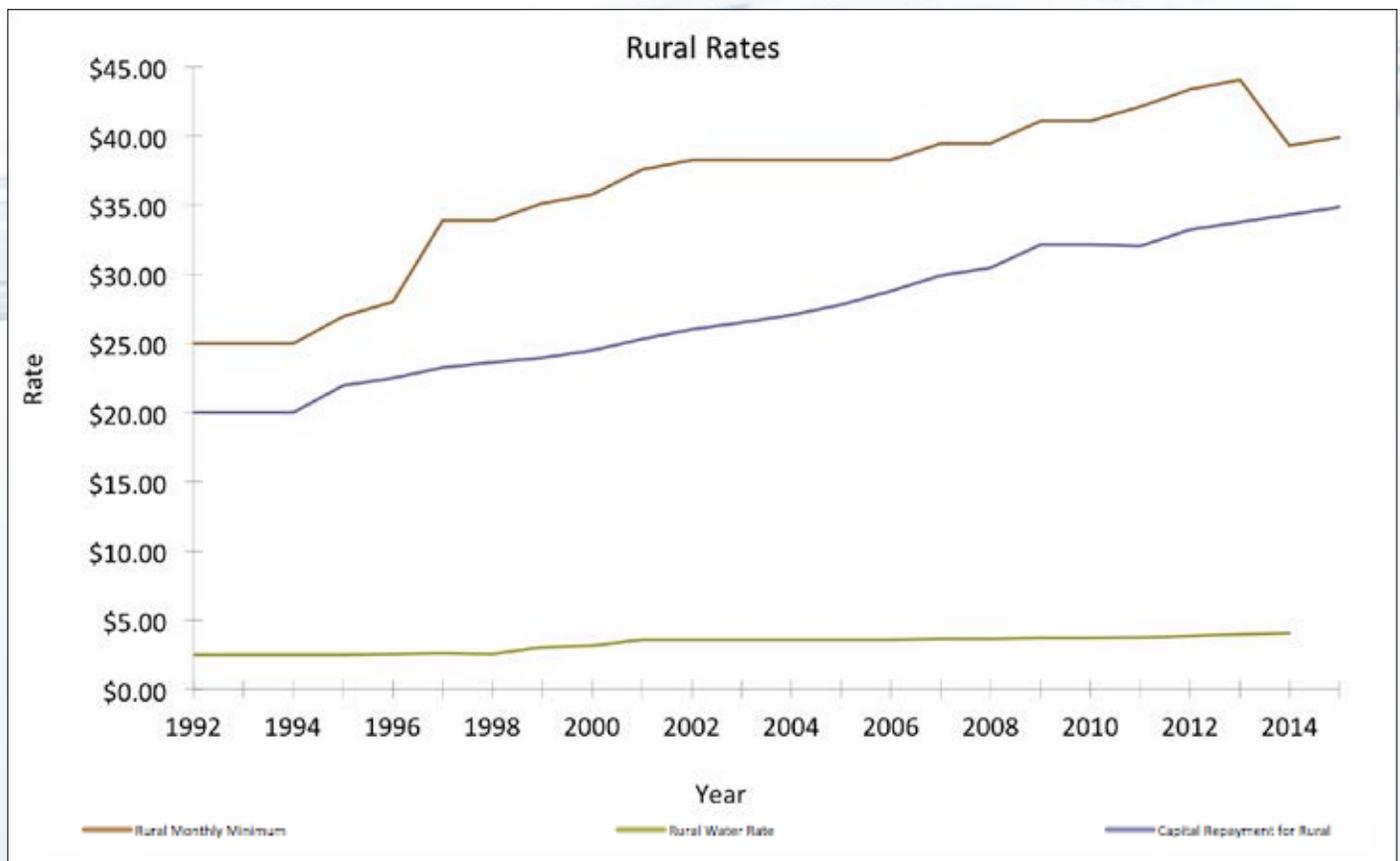
Consumer Price Index	2.90%	2.75%	2.67%	2.54%	2.61%	3.26%	1.67%	1.36%	2.27%	3.42%
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2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.05	\$ 1.06	\$ 1.06	\$ 1.12	\$ 1.12	\$ 1.12	\$ 1.38
\$ 0.53	\$ 0.53	\$ 0.55	\$ 0.55	\$ 0.55	\$ 0.60	\$ 0.60	\$ 0.60	\$ 0.65	\$ 0.70	\$ 0.75	\$ 0.80	\$ 0.80	\$ 0.80
\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.40	\$ 0.50	\$ 0.55
\$ 0.85	\$ 0.87	\$ 0.89	\$ 0.91	\$ 0.94	\$ 0.98	\$ 1.00	\$ 1.05	\$ 1.04	\$ 1.05	\$ 1.09	\$ 1.11	\$ 1.12	\$ 1.14
\$ 0.20	\$ 0.18	\$ 0.14	\$ 0.12	\$ 0.09	\$ 0.09	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07
\$ 2.98	\$ 2.98	\$ 2.98	\$ 2.98	\$ 2.98	\$ 3.07	\$ 3.07	\$ 3.12	\$ 3.17	\$ 3.23	\$ 3.38	\$ 3.50	\$ 3.61	\$ 3.94
28.52%	29.19%	29.87%	30.54%	31.54%	31.92%	32.57%	33.65%	32.81%	32.51%	32.25%	31.71%	31.02%	28.93%

\$ 38.25	\$ 38.25	\$ 38.25	\$ 38.25	\$ 38.25	\$ 39.45	\$ 39.45	\$ 41.10	\$ 41.10	\$ 42.10	\$ 43.35	\$ 44.05	\$ 39.30	\$ 39.88
\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.65	\$ 3.65	\$ 3.70	\$ 3.70	\$ 3.75	\$ 3.86	\$ 3.96	\$ 4.06	\$ 4.39
\$ 26.03	\$ 26.50	\$ 27.07	\$ 27.79	\$ 28.80	\$ 29.90	\$ 30.49	\$ 32.13	\$ 32.13	\$ 32.01	\$ 33.22	\$ 33.78	\$ 34.30	\$ 34.88
68.05%	69.28%	70.77%	72.65%	75.29%	75.79%	77.29%	78.18%	78.18%	76.03%	76.63%	76.69%	87.28%	87.46%

2.72%	1.80%	2.15%	2.65%	3.63%	3.82%	1.97%	5.37%	-1.50%	1.15%	3.78%	1.69%	1.53%	1.69%
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# Rates 2014

The water rate for rural customers in 2014 was lowered to a minimum payment of \$39.30 per month plus consumption. The rate for water per gallon is \$4.06 per thousand gallons. On July 1, 2002, SWA implemented a volume discount for rural customers. This is the last year of the declining block rates. This reduced water rates from \$4.06 to \$3.06 on usage over 10,000 gallons. Also, customers with pasture taps received a rate reduction, from \$4.06 to \$3.06 on water usage in excess of 60,000 gallons, billed annually.

Rural Customers under 10,000 gallons	
Treatment .....	\$0.80
Transmission Operations and Maintenance.....	\$1.12
Transmission Replacement and Extraordinary Maintenance.....	\$0.50
Transmission Reserve.....	\$0.07
Distribution Operation and Maintenance .....	\$1.32
Distribution Replacement .....	\$0.10
Distribution Reserve.....	\$0.15
Total.....	\$4.06

Rural Customers over 10,000 gallons	
Treatment .....	\$0.75
Transmission Operation and Maintenance.....	\$0.76
Transmission Replacement and Extraordinary Maintenance.....	\$0.50
Transmission Reserve.....	\$0.00
Distribution Operation and Maintenance .....	\$0.95
Distribution Replacement .....	\$0.10
Distribution Reserve.....	\$0.00
Total.....	\$3.06

The standard rural minimum fee (\$39.30) is broken into two separate components: O&M fee and capital repayment. A portion of the capital repayment (\$34.30) and the O&M fee (\$5.00) were used to pay the interest and principal on the Series A and Series B bonds. These bonds helped fund construction. After two years, the O&M fee is paid to the operations and maintenance fund, covering fixed O&M costs and routine operations and maintenance costs. Remaining capital repayment is paid to the Resources Trust Fund. The SWC paid off the bonds used for construction in 2014.

The 2014 rate for demand contract customers was \$4.73 per 1,000 gallons of potable water.

Demand Contract Customers	
Treatment .....	\$0.80
Transmission Operation and Maintenance.....	\$1.12
Transmission Replacement and Extraordinary Maintenance.....	\$0.50
Capital Repayment .....	\$1.12
Demand Charge.....	\$1.12
Transmission Reserve.....	\$0.07
Total.....	\$4.73

The 2014 rate for contract customers was \$3.61 per 1,000 gallons of potable water.

Contract Customers	
Treatment .....	\$0.80
Transmission Operation and Maintenance .....	\$1.12
Transmission Replacement and Extraordinary Maintenance .....	\$0.50
Capital Repayment .....	\$1.12
Transmission Reserve .....	<u>\$0.07</u>
Total .....	\$3.61

The 2014 rate for oil industry customers was \$20.00 per 1,000 gallons of water.

The raw water contract rate was \$2.83 per 1,000 gallons of water. Raw water customers do not pay for the cost of treatment.

## Rates 2015

### Rural Customers

The rural monthly minimum will increase to \$39.88 and will no longer include 2,000 gallons. This rate will include capital repayment (\$34.88) and O&M fee (\$5.00). 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 \$0.52 for 2015.

The rural customer rate per 1,000 gallons will increase to \$4.06.

### Contract Customers

There will be a rate increase for demand, contract, raw and oil industry customers. The demand rate will be \$5.07 per 1,000 gallons of potable water. The contract customer rate will be \$3.94 per 1,000 gallons of potable water. The raw water contract rate will be \$3.16 per 1,000 gallons of water. The oil industry rate will be \$22.00 per 1,000 gallons of water. For demand, contract, and raw water customers, Capital repayment will increase \$0.01, Transmission Repair and Extraordinary Maintenance will increase \$0.05, and the demand charge will increase \$0.01. The transmission O&M will increase \$0.26 and treatment will remain unchanged for customers.

# Replacement & Extraordinary Maintenance Fund

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

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

Originally, the rate was set at \$0.30 per thousand gallons of water sold, but in 1998 a rate study was completed to determine the fairness and correctness of the rate structure. At that time, it was determined that in order to meet the needs of extraordinary maintenance of the pipeline in the future, the rate for REM should be increased to \$0.35 per thousand gallons, and remained this amount from 1999 to 2012. Based upon the reevaluation of the REM Fund and the future estimated construction costs, especially to replace the existing 12 MGD Water Treatment Plant located in Dickinson, the rate for REM increased to \$0.40 per thousand gallons for 2013, to \$0.50 per thousand gallons for 2014 and will be increased to \$.55 per thousand gallons for 2015.

When SWA took over management, operations and maintenance of the SWPP from the North Dakota State Water Commission in 1996, SWA established an account to track REM funds separately and to follow the North Dakota Century Code. The following table gives a summary of activity of this account.



	1991-1998	1999	2000	2001	2002	2003
Beginning Balance	\$ 3,067,901	\$ 1,630,497	\$ 2,002,873	\$ 2,314,893	\$ 2,804,274	\$ 3,301,016
Contract Contributions	\$ 1,447,534	\$ 298,472	\$ 320,454	\$ 329,448	\$ 333,308	\$ 346,330
Rural Contributions	\$ 76,192	\$ 33,369	\$ 43,850	\$ 44,066	\$ 53,121	\$ 62,334
Interest	\$ 162,870	\$ 98,511	\$ 121,376	\$ 127,292	\$ 160,258	\$ 150,883
Dividends	\$ 28,619	\$ 5,601	\$ 9,137	\$ 16,575	\$ 4,016	\$ 3,985
Fiduciary Fees	\$ (13,335)	\$ (7,302)	\$ (8,602)	\$ (9,552)	\$ (12,177)	\$ (14,190)
Disbursements	\$ (71,383)	\$ (56,275)	\$ (174,195)	\$ (18,448)	\$ (41,784)	\$ (14,874)
Ending Balance	\$ 4,698,398	\$ 2,002,873	\$ 2,314,893	\$ 2,804,274	\$ 3,301,016	\$ 3,835,485

	2004	2005	2006	2007	2008	2009
Beginning Balance	\$ 3,835,485	\$ 4,220,502	\$ 4,787,646	\$ 5,338,238	\$ 6,141,750	\$ 7,004,573
Contract Contributions	\$ 335,340	\$ 374,808	\$ 424,777	\$ 467,831	\$ 472,933	\$ 457,040
Rural Contributions	\$ 67,709	\$ 64,725	\$ 82,115	\$ 90,793	\$ 106,858	\$ 101,620
Interest	\$ 188,625	\$ 198,149	\$ 202,716	\$ 258,201	\$ 295,859	\$ 329,085
Dividends	\$ 2,279	\$ 5,633	\$ 8,203	\$ 8,335	\$ 12,461	\$ 1,943
Fiduciary Fees	\$ (15,845)	\$ (17,417)	\$ (19,135)	\$ (21,648)	\$ (25,288)	\$ (28,918)
Disbursements	\$ (193,119)	\$ (31,754)	\$ (149,084)	\$ 0	\$ 0	\$ 0
Ending Balance	\$ 4,220,502	\$ 4,787,646	\$ 5,338,238	\$ 6,141,750	\$ 7,004,573	\$ 7,865,343

	2010	2011	2012	2013	2014	Total
Beginning Balance	\$ 7,865,343	\$ 8,629,770	\$ 9,232,440	\$ 9,596,193	\$ 10,956,243	
Contract Contributions	\$ 478,501	\$ 543,731	\$ 799,134	\$ 896,093	\$ 2,146,195	\$ 10,445,928
Rural Contributions	\$ 115,801	\$ 114,383	\$ 140,126	\$ 155,954	\$ 172,580	\$ 1,525,597
Interest	\$ 331,850	\$ 313,990	\$ 332,206	\$ 335,644	\$ 355,634	\$ 3,963,176
Dividends	\$ 12,412	\$ 14,189	\$ 22,163	\$ 12,665	\$ 14,585	\$ 182,801
Fiduciary Fees	\$ (32,218)	\$ (34,927)	\$ (38,594)	\$ (40,305)	\$ (45,262)	\$ (384,716)
Disbursements	\$ (141,919)	\$ (348,696)	\$ (891,282)	\$ 0	\$ (582,415)	\$ (2,715,227)
Ending Balance	\$ 8,629,770	\$ 9,232,440	\$ 9,596,193	\$ 10,956,243	\$ 13,017,560	\$ 13,017,560

# Annual Capital Repayment

Capital Repayment is a portion of the water rate charged by Southwest Water Authority (SWA) 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 (CPI) 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 monthly minimum payment. This money is paid monthly to the ND State Water Commission or has been paid to the bond bank.

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

	1991-1993	1994	1995	1996	1997	1998
Contract	\$ 414,498.00	\$ 292,997.00	\$ 408,563.00	\$ 418,179.77	\$ 487,828.22	\$ 568,497.91
Rural	\$ 5,540.00	\$ 7,475.00	\$ 95,616.00	\$ 316,814.38	\$ 370,085.00	\$ 347,293.46
<b>Total</b>	<b>\$ 420,038.00</b>	<b>\$ 300,472.00</b>	<b>\$ 504,179.00</b>	<b>\$ 734,994.15</b>	<b>\$ 857,913.22</b>	<b>\$ 915,791.37</b>

	1999	2000	2001	2002	2003	2004
Contract	\$ 580,865.33	\$ 634,275.73	\$ 751,392.41	\$ 800,159.52	\$ 861,015.31	\$ 846,041.48
Rural	\$ 445,131.91	\$ 524,952.50	\$ 556,470.52	\$ 630,004.66	\$ 718,768.94	\$ 774,667.77
<b>Total</b>	<b>\$ 1,025,997.24</b>	<b>\$ 1,159,228.23</b>	<b>\$ 1,307,862.93</b>	<b>\$ 1,430,164.18</b>	<b>\$ 1,579,784.25</b>	<b>\$ 1,620,709.25</b>

	2005	2006	2007	2008	2009	2010
Contract	\$ 897,289.69	\$ 1,067,345.59	\$ 1,244,385.61	\$ 1,269,698.28	\$ 1,255,131.37	\$ 1,344,386.07
Rural	\$ 809,668.64	\$ 881,134.67	\$ 1,063,680.25	\$ 1,184,034.70	\$ 1,363,856.74	\$ 1,432,160.52
<b>Total</b>	<b>\$ 1,706,958.33</b>	<b>\$ 1,948,480.26</b>	<b>\$ 2,308,065.86</b>	<b>\$ 2,453,732.98</b>	<b>\$ 2,618,988.11</b>	<b>\$ 2,776,546.59</b>

	2011	2012	2013	2014	Total
Contract	\$ 1,595,570.21	\$ 2,634,953.62	\$ 2,582,830.77	\$ 2,955,122.24	\$ 23,911,027.13
Rural	\$ 1,480,846.23	\$ 1,652,322.24	\$ 1,938,810.07	\$ 2,139,203.24	\$ 18,738,537.44
<b>Total</b>	<b>\$ 3,076,416.44</b>	<b>\$ 4,287,275.86</b>	<b>\$ 4,521,640.84</b>	<b>\$ 5,094,325.48</b>	<b>\$ 42,649,564.57</b>

# Southwest Pipeline Project Funding Sources

## State Funding (in millions of dollars)

Resources Trust Fund .....	\$113.44
Water Development Trust Fund .....	\$8.47
<b>Subtotal.....</b>	<b>\$121.91</b>

## Grants

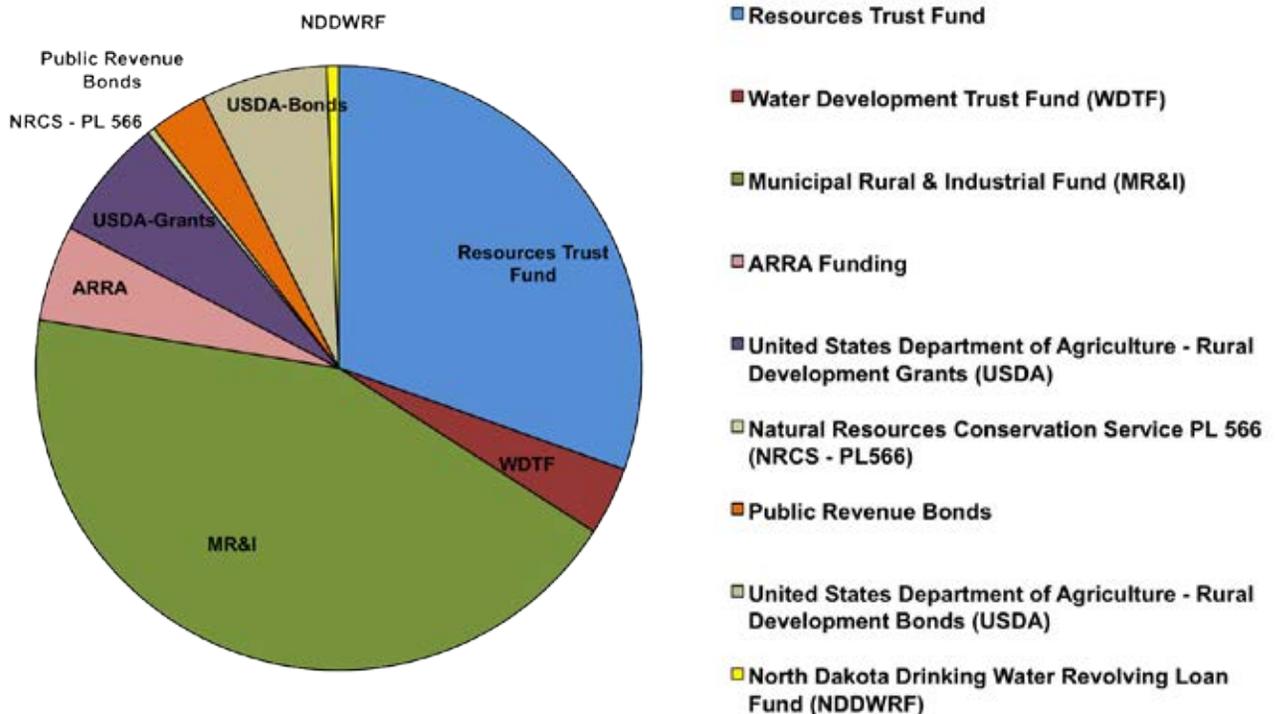
Garrison Diversion Conservancy District	
Municipal Rural & Industrial (MR&I) Fund (AARA Funding \$11.90) .....	\$102.92
United States Department of Agriculture - Rural Development (RUS).....	\$15.32
Natural Resources Conservation Service PL566 .....	\$0.93
<b>Subtotal.....</b>	<b>\$119.17</b>

## State Bonds Repaid by Users

Public Revenue Bonds.....	\$7.04
United States Department of Agriculture - Rural Development.....	\$15.70
ND Drinking Water Revolving Loan Fund .....	\$1.50
<b>Subtotal.....</b>	<b>\$24.24</b>

**Total Funding .....** **\$265.32**

**SWPP FUNDING SOURCE**  
\$265.32 Million as of 12/31/2014



# Southwest Pipeline Project (SWPP) Timeline

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
<b>Projects:</b>	West River Diversion						SW Area Water Supply			
<b>Organizations:</b>									West River Water Supply District	

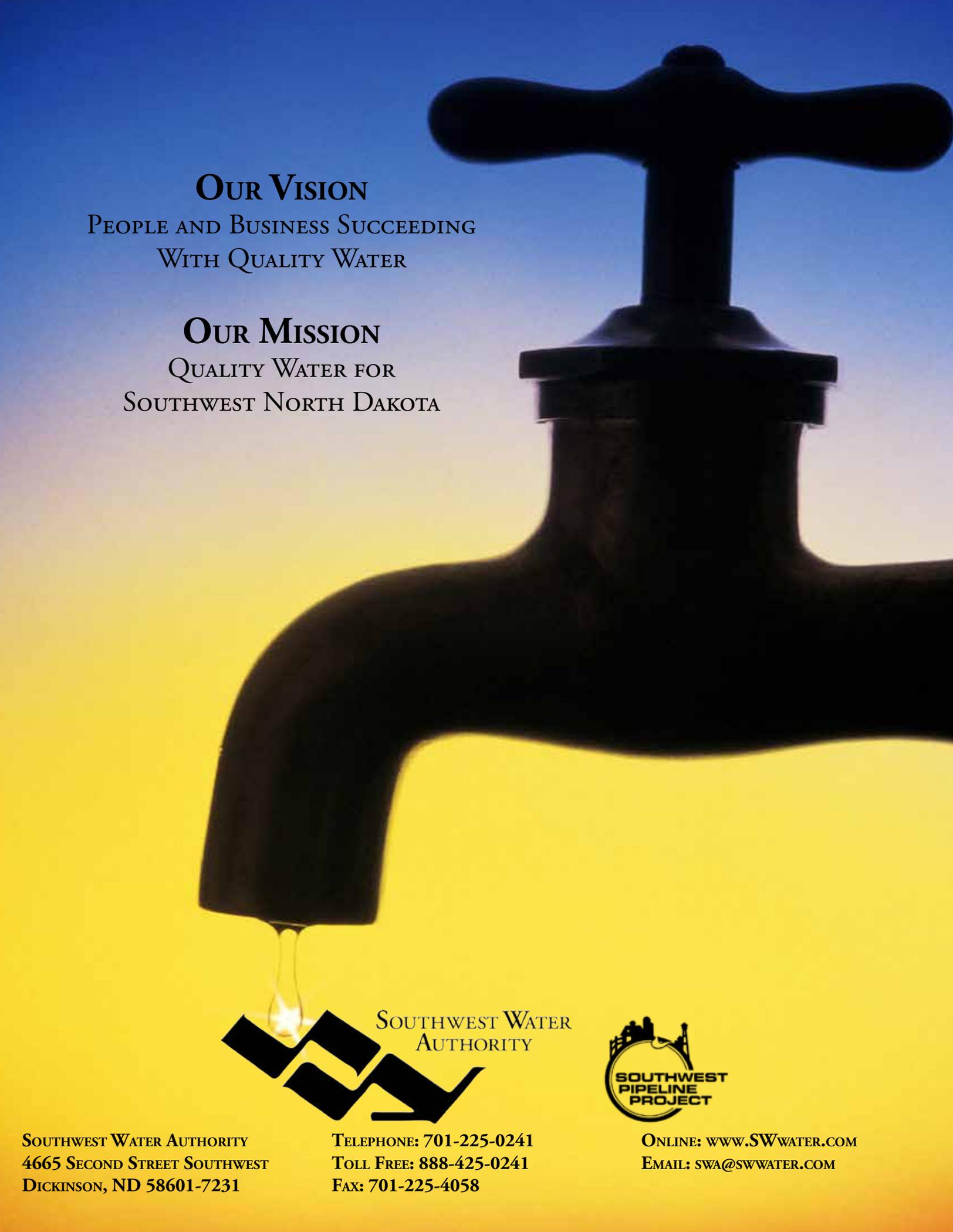
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>Projects:</b>	Southwest Pipeline Project (SWPP)									
<b>Organizations:</b>	Southwest Water Authority (SWA) (Political Subdivision)									

<b>SWPP Historical Events:</b>	1981 – SWPP Authorized	1992 – First Rural Water Service (Roshau Subdivision)
	1983 – SWPP Final Design Authorized	1994 – Service beyond Dickinson
	1985 – SWPP Construction Authorized	1995 – Full Scale Rural Service
	1986 – Construction Begins	1996 – Transfer of O&M to SWA
	Garrison MR&I Funding	1997 – USDA Rural Development Funds and Revenue Bonds
	1991 – Rural Water Integration	1998 – Garrison M&RI Funding
	Service to Dickinson	

<b>Funding (in millions):</b>	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
State Resources Trust Fund						-----	-----	-----	-----	-----
Garrison Diversion MR&I										
Natural Resources Conservation Service										
Revenue Bonds										
USDA Rural Development (loans)										
USDA Rural Development (grants)										
Drinking Water State Revolving Loan Fund										
Water Development Trust Fund										
<b>TOTAL:</b>										

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
State Resources Trust Fund	0.68	0.77	1.46	1.77	1.18	0.70	1.34	4.21	0.83	0.33
Garrison Diversion MR&I	5.30	10.10	7.77	5.41	0.18	2.47	1.24			
Natural Resources Conservation Service		0.13	0.41	0.39						
Revenue Bonds					3.96	3.08				
USDA Rural Development (loans)						3.50	0.02	1.38	0.50	0.23
USDA Rural Development (grants)						1.04	1.54	1.59	2.48	0.92
Drinking Water State Revolving Loan Fund								1.00	0.50	
Water Development Trust Fund									1.45	5.17
<b>TOTAL:</b>	<b>5.98</b>	<b>11.00</b>	<b>9.64</b>	<b>7.57</b>	<b>5.32</b>	<b>10.79</b>	<b>4.14</b>	<b>8.18</b>	<b>5.76</b>	<b>6.65</b>





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